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Welcome

Message from the President

Dear Student,

Welcome to DeVry University! As you make this significant investment in yourself, your education and your career, I hope you do so with immense pride. Whether you're transferring from community college; attending school while managing other commitments; or here to reskill or upskill, building your future is empowering. DeVry will be with you every step of the way.

Our founder, Dr. Herman DeVry, believed visual learning would advance education and change the world. In inventing a portable movie projector, Dr. DeVry expanded the reach of film to classrooms, which began bearing his name in 1931 when he established what's now known as DeVry University. We steadfastly continue his legacy of providing technology-focused, applications-oriented education, which has enabled hundreds of thousands of DeVry alumni – many the first in their families to attend college – to apply their education to enhance their lives, businesses and communities. Our graduates have, as Dr. DeVry predicted, changed the world.

Today, we're proud to pioneer AI education, integrating this powerful technology into all our programs and courses to prepare you to leverage AI for productivity, automation and innovation. We're also pleased to share that DeVry University has been named among America's Top Online Colleges for 2026 by Newsweek and Statista[1]. This recognition is the latest in a growing list for DeVry, including being named to the GSV 150 as one of the most influential organizations in digital learning[2], and ranking #2 by Niche for best Information Technology Colleges[3].

As you navigate this academic catalog, take note of the diverse academic offerings upon which DeVry has built its reputation. In the technology arena, DeVry helps you build career-ready skills in cybersecurity, IT, networking and information systems. Our business-focused courses and programs prepare you to lead in critical areas such as accounting, human resources and project management. Those seeking to make an impact in healthcare can take advantage of our undergraduate certificate and degree programs in Medical Billing & Coding, Healthcare Administration and Health Information Technology.

Further supporting our commitment to education excellence is institutional accreditation from the Higher Learning Commission[4] and accreditation from diverse programmatic accreditors. I invite you to learn more about this accreditation, which guides us – always – in doing what's best for students. I also invite you to explore DeVry's four tenets of education: Focus on outcomes, innovative learning technology, faculty development, and student care and experience. Rest assured, DeVry's commitment to fostering the confidence, career-readiness and personal growth that matter to you and your future drives everything we do.

Fitting school into your busy schedule isn't easy. Helping with this are DeVry's online and blended/hybrid learning options, six start dates a year, and eight-week courses taught by professors who infuse their real-world experience into the learning environment. Exceptional student care is another hallmark of DeVry. As you progress through your studies, I'm confident you'll find DeVry offers a breadth of student services and a nurturing environment in which to

challenge yourself, gain new skills, and build lasting friendships and mentor relationships.

Your success story starts here. We're grateful to share in your journey.

Sincerely,



Elise Awwad
President and CEO, DeVry University

[1] Newsweek/Statista: https://rankings.newsweek.com/americas-top-online-colleges-2026
[2] GSV 150: https://asugsvsummit.com/gsv-150
[3] Niche: https://www.niche.com/colleges/search/best-colleges-for-information-technology/
[4] DeVry University is accredited by the Higher Learning Commission (HLC), https://hlcommission.org. The University's Keller Graduate School of Management is included in this accreditation. HLC is a national agency that accredits U.S. colleges and universities at the institutional level and is recognized by both the U.S. Department of Education and the Council for Higher Education Accreditation. Accreditation provides assurance to the public and to prospective students that standards of quality have been met. Contact information for HLC is: Higher Learning Commission, 230 S. LaSalle St., Ste. 7-500, Chicago, IL 60604, 800.621.7440.

Mission

DeVry University strives to close our society's opportunity gap and address emerging talent needs by preparing learners to thrive in careers shaped by continuous technological change. Through innovative programs, relevant partnerships and exceptional care, we empower students to meaningfully improve their lives, communities, and workplaces.

DeVry University Leadership

DeVry University Board of Trustees
The DeVry University Board of Trustees is an independent board responsible for reviewing and approving the University's mission, policies, strategic plan, annual operating plan, award of degrees, and matters related to governance of the University.

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Administration

DeVry University administrators include College deans and location leaders. National College deans oversee the University's academic programs and assessment of student learning. Location leaders help ensure that DeVry's main campus and additional locations meet the needs of students and faculty. Together, these key administrators help support the University's mission and commitment to a quality education experience for DeVry's students.

National College Deans and Program Directors
Lenore Goldberg, Dean of Colleges and Curriculum
Colleges of Business & Management and Liberal Arts & Sciences, and Keller Graduate School of Management
JD, Brooklyn Law School

Laura Kathryn Neal, Dean of Colleges and Curriculum
College of Health Sciences
DM, University of Phoenix

William Phillips, Dean of Colleges and Curriculum

Colleges of Engineering & Information Sciences and Media Arts & Technology
PhD, Arizona State University

Location Leaders:
Arizona – Phoenix
John MacCatherine, Associate Dean of Teaching & Learning, and Phoenix Location Leader
PhD, Capella University

California – Encino
Natalie Camacho, Manager of Student Services, and Encino Location Leader
MS, Azusa Pacific University

California – Newark
(Gary) Paul Giomi, Professor and Faculty Chair, and Newark Location Leader
MISM, Keller Graduate School of Management

California – Ontario
Debra Maldonado, Assistant Director of Student Central, and Ontario Location Leader
MHRM, Keller Graduate School of Management

California – San Diego
Lilbert (Gil) Ontai, Assistant Dean of Teaching & Learning, and San Diego Location Leader
EdD, Capella University

California – San Jose
(Gary) Paul Giomi, Professor and Faculty Chair, and San Jose Location Leader
MISM, Keller Graduate School of Management

Florida – Orlando
Michelle Hooper, Director of Student Central, and Orlando Location Leader
MBA, Keller Graduate School of Management

Georgia – Decatur
William Blackwell, Assistant Director of Student Central, and Decatur Location Leader
MBA, Keller Graduate School of Management

Illinois – Chicago
Brian Niro, Assistant Dean of Teaching & Learning, and Chicago Location Leader
PhD, University of Dundee, Scotland

Illinois – Chicago Loop
Amanda Bellino, Assistant Director of Student Central, and Chicago Loop Location Leader
MA, Western Michigan University
MBA, Keller Graduate School of Management

Illinois – Lisle
Karalyn Voelkner, Assistant Director of Student Central, and Lisle Location Leader
BS, Toccoa Falls College

New Jersey – Iselin
Scarlett Howery, Vice President, and Iselin Location Leader
MBA, Keller Graduate School of Management

New York – Midtown Manhattan
Abha Chhetry Rai, Assistant Director of Student Central, and Midtown Manhattan Location Leader
MBA, New York Institute of Technology

Ohio – Columbus
Joshua Cosby, Assistant Director of Student Central, and Columbus Location Leader
MAEd, Northern University
MBA, University of Phoenix

Texas – Irving
Allison Bennett, Director of Student Central, and Irving Location Leader
MPA, Keller Graduate School of Management

Virginia – Arlington
Steven Dhondt, Senior Director of Admissions, and Arlington Location Leader
MBA, Keller Graduate School of Management

Full-Time Professors

DeVry University is committed to providing relevant education to a diverse student body and to helping close society's opportunity gap. Supporting students as they prepare for careers shaped by continuous technological change are dedicated education administrators, as well as full-time professors and visiting professors who teach online and/or onsite.

Nearly all faculty hold master's degrees, PhDs or other doctoral degrees and bring their passion for teaching to the learning environment. Through rigorous training, the University prepares new professors to teach and fully supports all faculty in their ongoing dedication to excellence.

To remain current on advances in their fields, many faculty participate in leading industry professional organizations, as well as in organizations dedicated to excellence in education programs and services. Visit the Faculty and Administrator Professional Connections and Memberships section for more information.

The following section shares information on full-time professors. Information is organized by state; professors noted as virtual teach online only. Information on professors teaching at a specific location is available from local staff members.

Arizona
Aaron Marmorstein, Professor – Virtual
MS, Arizona State University
PhD, Oregon Health & Science University

Veronica L. Schreiber, Senior Professor
MA, University of Arizona

Joan L. Snyder, Professor
MEd, Northern Arizona University

Linda Wayerski, Professor – Virtual
MBA, Baker University
MHRM, MPA, Keller Graduate School of Management
PhD, Northcentral University

Sean T. Wright, Senior Professor – Virtual
MBA, Babson College
MAFM, MPA Keller Graduate School of Management
EdD, Northcentral University

Didem Yamak Congress, Professor – Virtual
MBA, Keller Graduate School of Management
PhD, Arizona State University

California
Neda Adib, Professor
MS, Khajeh Nassir Toosi University of Technology
PhD, Southern Methodist University

Raef J. Assaf, Professor
MBA, Wayne State University
DBA, Argosy University

Ahmed Azam, Senior Professor – Virtual
MISM, Keller Graduate School of Management
MS, California State University

Bob Biswas, Senior Professor – Virtual
MBA, University of Wisconsin
PhD, Golden Gate University

Chihwen Chen, Associate Professor
MBA, University of Massachusetts
MS, Roosevelt University
MD, St. Matthew’s University School of Medicine

Joel H. Frazier Jr., Senior Professor
MBA, MAFM Keller Graduate School of Management

William Garrison, Professor – Virtual
MBA, University of La Verne
MA, California State University

(Gary) Paul Giomi, Professor

MISM, Keller Graduate School of Management

Omar Haddad, Associate Professor
MS, University of Michigan
DBA, Argosy University

Andrea Henne, Senior Professor – Virtual
MAEd, EdD, University of California

Paula C. Herring, Senior Professor
MBA, University of Phoenix
EdD, Fielding Graduate University

Stanley Hong, Professor – Virtual
MAcc, University of Southern California

Willie Hosch, Associate Professor
MBA, MPM, Keller Graduate School of Management
PhD, Walden University

Alireza Kavianpour, Senior Professor – Virtual
MS, Oklahoma State University
PhD, University of Southern California

Victoria H. Kim, Senior Professor – Virtual
MA, Monterey Institute of International Studies
MS, Brigham Young University
EdD, Pepperdine University

Paul K. Kohara, Professor
MBA, San Francisco State University

Alex M. Leung, Senior Professor – Virtual
MS, University of Colorado

James Lewis, Associate Professor
MTM, Keller Graduate School of Management

Tyson E. Moore, Senior Professor
MS, Central Michigan University
PhD, Trident University International

Mohammad R. Muqri, Professor
MS, The University of Tennessee
MD, Spartan Health Sciences University

Carlos Perez, Professor
MS, Florida State University

James F. Powell, Professor – Virtual
MBA, Pepperdine University

Robert Ramirez, Senior Professor
MBA, University of Phoenix
DBA, Northcentral University

Ramy Saber, Associate Professor
MBA, Southern States University
PhD, University of the Cumberlands

Nazila Safavi, Professor
MS, Southern Methodist University
PhD, Capella University

Mohamad Saouli, Professor
MBA, University of Redlands
DPA, University of La Verne

Penn Wu, Senior Professor
MBA, MISM, MPM, MNCM Keller Graduate School of Management
PhD, Nova Southeastern University

Colorado
Rick J. Bird, Senior Professor
MPM, Keller Graduate School of Management
MS, University of Illinois at Springfield

Louis R. Freese, Professor – Virtual
MA, Teachers College Columbia University

Barbara A. Jacques, Professor – Virtual
MCJ, Boston University
PhD, Capella University

Susan Kennedy, Professor – Virtual
PhD, University of Michigan

Florida
Vicki Bealman, Professor – Virtual
MS, Full Sail University
MS, EdD, EdS, Liberty University

Michael S. Bird, Senior Professor – Virtual
MBA, Nova Southeastern University
MHRM, Keller Graduate School of Management
MS, DeVry University

PhD, Capella University

Mohamed E. Brihoum, Senior Professor
MS, The Ohio State University
PhD, University of Toledo

Miguel A. Buleje, Professor – Virtual
MBA, Walden University
PhD, Nova Southeastern University

Kaila Givens, Associate Professor – Virtual
MPH, University of North Florida
DHS, Nova Southeastern University

Edwin H. Hill, Senior Professor – Virtual
MS, University of Miami
EdS, PhD, Nova Southeastern University

Henry H. Jordan, Senior Professor – Virtual
MEd, Georgia State University
PhD, Colorado State University

Nicolas Lebredo, Professor – Virtual
MA, The Ohio State University
MAFM, Keller Graduate School of Management
MBA, Webster University
PhD, University of Central Florida

John R. Lutzyk, Professor
MS, State University of New York
EdD, Nova Southeastern University

Wayne M. Morgan, Professor – Virtual
MS, University of the West Indies
DBA, Nova Southeastern University

Franklin Orellana, Associate Professor – Virtual
MBA, MIT, American InterContinental University
MS, Eastern University
DBA, Northcentral University

Genevieve I. Sapijaszko, Professor
MISM, Keller Graduate School of Management
MS, University of Calgary
PhD, University of Central Florida

Karen Sears, Associate Professor
MPAcc, Colorado State University Global

DBA, Walden University

Willie Wilborn, Senior Professor – Virtual
MAFM, MBA, MHRM, MISM, MPM, Keller Graduate School of Management
EdD, Walden University

Kiana Wilson, Associate Professor – Virtual
MBA, Nova Southeastern University
DM, Colorado Technical University

Georgia
Lorenzo Bowman, Senior Professor
MS, JD, Georgia State University
PhD, The University of Georgia

Curtis Crocker, Associate Professor - Virtual
MBA, Kennesaw State University
MTax, MSRE, Georgia State University
DBA, Nova Southeastern University

Christine D. Halsey, Professor
MS, Southern Polytechnic State University

Neisa Jenkins, Professor – Virtual
MA, College of St. Scholastica
EdD, Walden University

Debra Kean, Professor – Virtual
MEd, Valdosta State University

Claude R. Oakley, Professor
MA, Syracuse University
MBA, Mercer University
MS, University of West Indies
PhD, Colorado State University

Sheila Sampath, Professor – Virtual
MHSA, The George Washington University

La'Quata Sumter, Professor – Virtual
MEd, EdS, Georgia Southern University
PhD, University of North Texas

Bola S. Tilghman, Associate Professor
MS, PhD, Clark Atlanta University

Idaho
Jennifer Lame, Associate Professor – Virtual

MPH, Idaho State University

Illinois
Issam Abu-Ghallous, Professor – Virtual
MBA, Lewis University
PhD, The University of Southern Mississippi

Sean Caruthers, Assistant Professor
MBA, MISM Keller Graduate School of Management

Richard Dixon, Associate Professor
MTM, Keller Graduate School of Management

Michael P. Dufresne III, Professor – Virtual
MA, MSEd, Northern Illinois University

Luan Eshtrefi, Professor
MA, University of Manchester
PhD, South East European University

Kevin M. Greshock, Senior Professor
MPM, Keller Graduate School of Management

Ruizhen Hardin, Associate Professor – Virtual
MPA, Georgia State University
DBA, Capella University

Teresa M. Hayes, Professor – Virtual
MA, DePaul University

Saeed Jellouli, Professor
MS, PhD, Blaise Pascal University

James Karagiannes, Senior Professor
PhD, Illinois Institute of Technology

Bert Lindstrom, Senior Professor – Virtual
MS, Roosevelt University
EdD, Argosy University

Nana Liu, Senior Professor
MS, University of Illinois at Chicago
DCS, Colorado Technical University

Jeremy Lowenthal, Associate Professor
MA, MA, PhD, University of Iowa

Maddison McGann, Professor

MA, PhD, University of Iowa

Michael Morrison, Professor – Virtual
MBA, Keller Graduate School of Management

Margaret Murphy, Associate Professor
MA, Northwestern University

Paula Offutt, Associate Professor
MBA, University of Phoenix
PhD, Capella University

Abdulmagid Omar, Senior Professor
MS, Case Western Reserve University
PhD, University of Missouri

Jack Osmer, Associate Professor
MA, Georgia State University
MSF, Brandeis University
PhD, University of New Orleans

Nicholas G. Powers, Senior Professor
MBA, Loyola University
DBA, Argosy University

Bonnie S. Rucks, Senior Professor – Virtual
MBA, Campbell University

Robert A. Salitore, Professor – Virtual
MS, Loyola University

Shawn A. Schumacher, Senior Professor
MA, Governors State University
PhD, Colorado State University

Barbara J. Strauch, Senior Professor – Virtual
MSEd, Purdue University

Matthew Surdel, Assistant Professor – Virtual
MS, Western Governors University

Toshko D. Tzvetkov, Assistant Professor – Virtual
MS, University of Sofia

Maryland
Alpana V. Ramanathan, Professor – Virtual
MBA, The University of Mississippi

Paul Richardson, Associate Professor – Virtual
MBA, Loyola University Maryland
DM, University of Maryland University College

Jennifer Sanders, Associate Professor – Virtual
MBA, Columbia Southern University

Michigan
Kimberly Blake, Associate Professor – Virtual
MBA, DBA, Baker College

Jennifer Young, Professor – Virtual
MS, Kaplan University

Missouri
Mohammad Al Sharoa, Professor – Virtual
MS, Jordan University of Science and Technology
PhD, Illinois Institute of Technology

Jimmy Duncan, Associate Professor – Virtual
MBA, Southeast Missouri State University
MPhil, PhD, Walden University

Ellen M. Jones, Senior Professor – Virtual
MAT, Webster University
PhD, Saint Louis University

Lynn A. Risley, Professor – Virtual
MNCM, MPM Keller Graduate School of Management

Nebraska
Ashley Cooper, Associate Professor – Virtual
MEd, Doane University
EdD, University of Nebraska

Nevada
Mary Sanders, Professor – Virtual
MA, Michigan State University
PhD, University of Nevada

New Jersey
Eric Addeo, Senior Professor
MS, Newark College of Engineering at New Jersey Institute of Technology
PhD, Stevens Institute of Technology

Michael Faulkner, Senior Professor
MBA, New York Institute of Technology
MS, New York University

PhD, Union Institute & University

Matthew Fowler, Associate Professor
MBA, University of Phoenix
PhD, Capella University

Deborah Helman, Senior Professor
PhD, University of Birmingham

Kim Lamana-Finn, Senior Professor
MS, Stevens Institute of Technology
PhD, Capella University

Hassan A. Marzouk, Senior Professor
MS, MS, North Carolina State University
PhD, University of Kentucky

Bhupinder S. Sran, Senior Professor
MS, Louisiana State University
PhD, Stevens Institute of Technology

Chao-Ying Wang, Senior Professor
MS, PhD, Southern Illinois University

Jingdi Zeng, Senior Professor – Virtual
ME, Hunan University
PhD, New Jersey Institute of Technology

New York
Valeriy Arseniev, Professor – Virtual
MS, PhD, Moscow Institute of Mechanical Engineering

Gusteau Duclos, Senior Professor
MS, PhD, Polytechnic Institute of New York University

Michael J. Gooch, Senior Professor – Virtual
MA, PhD, Indiana University of Pennsylvania

Jude Lamour, Senior Professor
MS, New Jersey Institute of Technology
PhD, Walden University

Shahed Mustafa, Professor
MS, Idaho State University
MS, Stevens Institute of Technology

Emre Ozmen, Professor
MBA, Yeditepe University

PhD, University of Salford

Ahmed H. Shaik, Senior Professor – Virtual
MC, PhD, Kakatiya University

Natalie M. Sommer, Senior Professor – Virtual
MS, Union College
PhD, Syracuse University

Adnan Turkey, Senior Professor
PhD, Hungarian Academy of Sciences

North Carolina
Schuyler Connell, Associate Professor – Virtual
LLM, Argosy University

Ifeanyi I. Ugboaja, Associate Professor – Virtual
MBA, University of Phoenix
DBA, Argosy University

Ohio
Gina Augustine, Associate Professor – Virtual
MLS, University of Pittsburgh

Gina M. Cooper, Senior Professor – Virtual
MS, The Ohio State University
PhD, Wright State University

Carol E. Dietrich, Senior Professor
MTS, Trinity Lutheran Seminary
MSSc, Ohio University
MA, MA, PhD, The Ohio State University

Kathrine Henson-Mack, Professor – Virtual
MS, PhD, University of Alabama

Laurence E. Lazofson, Professor – Virtual
MAFM, Keller Graduate School of Management
MSEE, Air Force Institute of Technology

Elliot Masocha, Professor
MA, University of Zimbabwe
MA, Ohio University
MS, Franklin University
DBA, Walden University

John F. McManamon, Professor
MEd, The Ohio State University

Michael Stamos, Senior Professor
MA, The Ohio State University
MBA, University of Dayton

Pennsylvania
John Callan, Professor – Virtual
MSEd, Temple University

Simon Obeid, Professor – Virtual
MS, PhD, University of North Carolina

Jocelyn E. Russell Wallace, Senior Professor – Virtual
MBA, University of Pennsylvania
MA, PhD, Westminster Theological Seminary

James Schneider, Senior Professor – Virtual
MA, California State Polytechnic University
PhD, Walden University

William Winner, Associate Professor – Virtual
MDiv, Palmer Theological Seminary
PhD, Regent University

Gregory Zaleski, Associate Professor – Virtual
MBA, Penn State University

South Carolina
Carl Moore, Associate Professor – Virtual
MFA, Queens University
MBA, MBA, American Intercontinental University
DHA, University of Phoenix

South Dakota
Sheba Schlaikjer, Assistant Professor – Virtual
MBA, Colorado Technical University

Tennessee
Joel Bunkowske, Professor – Virtual
MBA, Regis University
JD, Indiana University
PhD, Northcentral University

Michael W. Magro, Professor – Virtual
MIT, American InterContinental University
DPDS, University of Southern California

Mia Reddick-Smith, Assistant Professor – Virtual

MBA, Webster University

Brent C. Ward, Senior Professor – Virtual
MBA, The University of Western Ontario
MISM, MPM Keller Graduate School of Management
PhD, Northcentral University

Texas
Richmond Adebiaye, Associate Professor – Virtual
MS, Lewis University
DSc, Robert Morris University

Shane R. Ball, Senior Professor
MS, University of North Texas
JD, Capital University

Jeevan F. D'Souza, Professor – Virtual
MS, The University of Texas at Arlington
PhD, Nova Southeastern University

Stacey A. Donald, Professor
MA, PhD, The University of Texas

Makrina Feagins, Professor – Virtual
MAIS, Texas A&M International University

Gary Foster, Professor – Virtual
MBA, The University of Utah

Angela Garrett, Professor – Virtual
MBA, Keller Graduate School of Management

Darniet Jennings, Professor - Virtual
MBA, Johns Hopkins University
MS, PhD, University of Maryland, Baltimore County

Rajin Koonjbearry, Professor – Virtual
MS, University of Arkansas at Fayetteville
MS, Southern Methodist University
DSc, Capitol College
DEng, The George Washington University

Messaoud Laddada, Senior Professor
MS, National Technical University KhPI
PhD, Oklahoma State University

Jacqueline Lang, Senior Professor – Virtual
MBA, Baker College

MPA, Keller Graduate School of Management
MSEd, DeVry University
PhD, Capella University

Jessica Meischen, Associate Professor - Virtual
MPA, University of Texas at San Antonio

Kevin Moore, Professor – Virtual
MS, Purdue University
MS, PhD, Walden University

Peter N. Nwaogu, Associate Professor
MBA, University of the District of Columbia
DBA, Argosy University

Rexford Okrah, Associate Professor
MBA, MS, Pittsburg State University
DSc, Capitol Technology University

Vincent Parry, Associate Professor
MBA, University of Oklahoma
PhD, Capella University

Michael H. Reitzel, Senior Professor – Virtual
PhD, Capella University
JD, The Cleveland State University

Sid Ahmed Sahnoune, Associate Professor
MS, MS, PhD, National School of Statistics and Applied Economics

Robert J. Sarvis, Senior Professor – Virtual
MBA, Our Lady of the Lake University
PhD, Texas A&M University

Brian A. Smith, Associate Professor
MEd, Northwestern State University
MS, EdD, Texas A&M University

Manuel Eduardo Zevallos, Senior Professor – Virtual
ME, City College of New York
MBA, Keller Graduate School of Management
PhD, The Graduate School and University Center of the City University of New York

Virginia
Edward Haberek, Associate Professor
MBA, Johnson & Wales University
PhD, International Academy of Management and Economics

Jennifer D. Harris, Senior Professor
MBA, The George Washington University
PhD, Capella University

Shad Koros, Assistant Professor
MS, Jiwaji University, Gwalior
PhD, Capella University

Andrew McLeod, Professor – Virtual
MBA, Saint Leo University
MS, Central Michigan University
EdD, Nova Southeastern University

Washington
Michelle Cranney, Associate Professor – Virtual
MBA, Davenport University
DHSc, A.T. Still University

Wisconsin
Ashley Gans-Forrest, Assistant Professor – Virtual
PhD, University of Notre Dame

Faculty and Administrator Professional Connections and Memberships

To keep current with industry practices and developments, remain current on education trends, and provide students with relevant programs and courses, the University's faculty and administrators are active in various professional organizations including, but not limited to:

- AAPC
- American Association of University Administrators
- American Bar Association
- American College of Healthcare Executives
- American Council on Education
- American Health Information Management Association
- American Institute of Certified Public Accountants
- American Library Association
- American Management Association
- American Marketing Association
- American Psychological Association
- Association for Supply Chain Management
- Association of Certified Fraud Examiners
- Association to Advance Collegiate Schools of Business
- Council of Graduate Schools
- IEEE
- National Black MBA Association
- National Council of Teachers of English
- National Council of Teachers of Mathematics
- Project Management Institute
- Society for Human Resource Management
- United States Association for Small Business and
- Entrepreneurship United States Distance Learning Association

Accreditation and Authorization

Accreditation

Institutional Accreditation:

Higher Learning Commission
DeVry University is accredited by the Higher Learning Commission (HLC), https://www.hlcommission.org. The University's Keller Graduate School of Management is included in this accreditation.

HLC has historically been a regional accreditor recognized by the U.S. Department of Education. HLC today is considered to be an institutional accreditor accrediting U.S. colleges and universities across the nation. HLC is recognized by both the U.S. Department of Education and the Council for Higher Education Accreditation. Accreditation provides assurance to the public and to prospective students that standards of quality have been met.

Contact information for HLC is:
Higher Learning Commission

230 S. LaSalle St., Ste. 7-500
Chicago, IL 60604
800.621.7440
https://www.hlcommission.org

Note: The Manhattan location of DeVry University operates as DeVry College of New York.

Programmatic Accreditation and Recognition:

ABET
Computing Accreditation Commission of ABET

- The Associate of Applied Science in Information Technology and Networking is accredited by the Computing Accreditation Commission of ABET, under the commission's General Criteria and Program Criteria for Associate Information Technology and Similarly Named Computing Programs.
- The Bachelor of Science in Computer Information Systems is accredited by the Computing Accreditation Commission of ABET, under the commission's General Criteria and Program Criteria for Information Systems and Similarly Named Computing Programs.
- The Bachelor of Science in Information Technology and Networking is accredited by the Computing Accreditation Commission of ABET, under the commission's General Criteria and Program Criteria for Information Technology and Similarly Named Computing Programs.
- The Bachelor of Science in Software Development is accredited by the Computing Accreditation Commission of ABET, under the commission's General Criteria with no applicable program criteria.

Engineering Technology Commission of ABET

- The Associate of Applied Science in Engineering Technology is accredited by the Engineering Technology Accreditation Commission of ABET, under the commission's General Criteria with no applicable program criteria.
- The Bachelor of Science in Engineering Technology is accredited by the Engineering Technology Accreditation Commission of ABET, under the commission's General Criteria with no applicable program criteria.

The most recent information on ABET accreditation is available at each location and on DeVry's Accreditation and State Authorization web page.

ACBSP

The following DeVry University programs are accredited by the Accreditation Council for Business Schools and Programs (ACBSP), https://acbsp.org, demonstrating that they have met standards of business education that promote teaching excellence:

- Associate of Applied Science in Business
- Bachelor of Science in Accounting
- Bachelor of Science in Business Administration
- Bachelor of Science in Business Management (formerly known as Bachelor of Science in Management)
- Bachelor of Science in Technical Management
- Undergraduate Certificate in Accounting
- Undergraduate Certificate in Aspiring Management Pathway
- Undergraduate Certificate in Business Essentials
- Undergraduate Certificate in Project Management
- Undergraduate Certificate in Project Management Pathway

CAE-CD
DeVry University has been designated as a National Center of Academic Excellence in Cyber Defense (CAE-CD, https://www.caecommunity.org/) by the National Center of Academic Excellence in Cybersecurity by the National Security Agency for the following programs:

- Undergraduate Certificate in Cyber Security
- Bachelor of Science in Computer Information Systems with a specialization in Cyber Security Programming
- Bachelor of Science in Information Technology and Networking with a specialization in Cyber Security

Only the programs listed above are recognized by CAE-CD. Students successfully completing one of these programs with the associated specialization/track are issued a certificate of achievement signifying completion of a program with CAE-CD designation. The certificate also indicates the curriculum meets rigorous standards for cybersecurity education and the student has completed all coursework needed to meet those standards.

CAHIIM
The following programs, at the following locations, are accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM), https://www.cahiim.org:

- Associate of Applied Science in Health Information Technology, when completed with the Health Information track: Online
- Bachelor of Science in Technical Management with Health Information Management Specialty: Online

The Health Information Management and Health Informatics accreditor of DeVry University is the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM). The University's accreditation for the associate degree in Health Information Technology has been reaffirmed through 2033-2034. The University's accreditation for the bachelor's degree in Technical Management with Health Information Management Specialty has been reaffirmed through 2029-2030.

All inquiries about the programs' accreditation status should be directed by mail to CAHIIM, 200 E. Randolph St., Ste. 5100, Chicago, IL 60601; by phone at 312.235.3255; or by email at info@cahiim.org.

The most recent information on CAHIIM accreditation is available on DeVry's Accreditation and State Authorization web page.

GAC
DeVry University's Business Administration program, when completed with a Project Management major/concentration, is accredited by the Global Accreditation Center for Project Management Education Programs (GAC) of the Project Management Institute, as is the Business Management program (formerly known as Bachelor of Science in Management) when completed with a Project Management concentration and the Technical Management program, when completed with a Project Management technical specialty. More information on this accreditation is available via https://www.pmi.org/global-accreditation-center.

NICCS
DeVry University's cybersecurity curriculum is acknowledged and verified as an approved provider by the National Initiative for Cybersecurity Careers and Studies (NICCS). NICCS is an online training initiative and portal that follows the National Initiative for Cybersecurity Education framework and connects students, educators and industry to cybersecurity resources and U.S. training providers. More information is available via https://niccs.cisa.gov and https://www.nist.gov/itl/applied-cybersecurity/nice.

PMI ATP
The Project Management Institute (PMI) has recognized DeVry University as a Premier Level Authorized Training Partner (ATP), committed to enhancing the ongoing professional development of PMI members, PMI credential holders and other project management stakeholders through appropriate learning activities and products. As a Premier Level ATP, DeVry abides by established operational and educational criteria and is authorized to teach project management exam preparation courses. Details are available via https://www.pmi.org/learning/authorized-training-partners.

SHRM
The Society for Human Resource Management (SHRM) has acknowledged that the following programs align with SHRM's HR Curriculum Guidebook and Templates:

- Associate of Applied Science in Business, with Human Resources track
- Bachelor of Science in Business Administration, with Human Resource Management major/concentration
- Bachelor of Science in Business Management (formerly known as Bachelor of Science in Management), with Human Resource Management concentration
- Bachelor of Science in Technical Management, with Human Resource Management technical specialty

SHRM developed the *HR Curriculum Guidebook and Templates* to define the minimum HR content areas that should be studied by HR students at the undergraduate and graduate levels. The SHRM Human Resource Curriculum Guidelines are part of SHRM's Academic Initiative to define HR education standards taught in university business schools and help universities develop degree programs that follow these standards. More information on SHRM is available at https://www.shrm.org.

Additional Affiliations:

Council for Higher Education Accreditation
DeVry University is a member of the Council for Higher Education Accreditation (CHEA), a national advocate and institutional voice for self-regulation of academic quality through accreditation. CHEA, an association of more than 8,200 colleges, universities and higher education organizations, recognizes more than 80 institutional and programmatic accreditors.

Note: Upon request to a student support advisor or location leader, copies of documents describing DeVry University's accreditation, as well as its state and federal approvals, are available for review.

State Authorizations

State Relocation Notice

Students may be unable to complete their program if relocating to a state in which DeVry is not authorized to operate or is not authorized to offer the program in which they're enrolled. Students should contact Student Central if considering relocating during their course of study or transferring to a different DeVry program.

Applicants may be unable to enroll in their program if relocating to a state in which DeVry is not authorized to operate or is not authorized to offer the program in which they're interested. Applicants should contact their admissions advisor/representative to discuss how relocation could affect their ability to enroll in certain programs.

Students and applicants should note there may be consequences, such as ineligibility for financial aid, when relocating to a state in, or transferring to a program for, which DeVry University is not authorized.

State and Distance Education Authorizations

DeVry University is approved to participate in the National Council for State Authorization Reciprocity Agreement (SARA), which provides a voluntary, regional approach to state authorization of postsecondary distance (online) education. With that approval, and with approval from the Illinois Board of Higher Education, DeVry's distance (online) education programs are considered approved by reciprocity with other SARA member state higher education agencies. Visit the SARA website (https://nc-sara.org) for the most current list of participating states and a detailed description of SARA.

DeVry University holds the following state authorizations to offer distance (online) education and to operate in states in which it has locations. States have varying requirements governing postsecondary distance (online) education.

Arizona

DeVry is authorized to operate and grant degrees by the Arizona State Board for Private Postsecondary Education, 1740 W. Adams, 3rd Flr., Phoenix, AZ 85007, 602.542.5709.

California

DeVry is a private institution approved to operate by the California Bureau for Private Postsecondary Education. Approval to operate means the institution is compliant with the minimum standards contained in the California Private Postsecondary Education Act of 2009 (as amended) and Division 7.5 of Title 5 of the California Code of Regulations. DeVry also holds Registration of Out of State Institution for distance education from the Bureau. For additional information, please visit the Bureau's website, https://www.bppe.ca.gov. Any questions a student has regarding this catalog that have not been satisfactorily answered by the institution may be directed to the Bureau at 1747 N. Market Blvd., Ste. 225, Sacramento, CA 95834; 888.370.7589 (fax: 916.263.1897). **Notice to Prospective Students:** As a prospective student, you are encouraged to review this catalog before signing an enrollment agreement. You are also encouraged to review the School Performance Fact Sheet, which must be provided to you before signing an enrollment agreement. The Office of Student Assistance and Relief is available to support prospective students, current students, or past students of private postsecondary educational institutions in making informed

decisions, understanding their rights, and navigating available services and relief options. The office may be reached by calling 888.370.7589, option 5, or by visiting https://osar.bppe.ca.gov.

Florida
DeVry is licensed by the Commission for Independent Education, Florida Department of Education. Additional information regarding this institution may be obtained by contacting the Commission at 325 W. Gaines St., Ste. 1414, Tallahassee, FL 32399, toll-free telephone number 888.224.6684.

Georgia
DeVry is authorized under the Nonpublic Postsecondary Educational Institutions Act of 1990, by the Georgia Nonpublic Postsecondary Education Commission, 2082 E. Exchange Pl., Ste. 220, Tucker, GA 30084, 770.414.3300.

Illinois
DeVry is authorized to operate and grant degrees by the Illinois Board of Higher Education, 1 N. Old State Capitol Plaza, Ste. 333, Springfield, IL 62701, 217.782.2551. To report unresolved complaints to the Illinois Board of Higher Education visit their web page at https://complaints.ibhe.org.

New Jersey
DeVry is licensed by the New Jersey Office of the Secretary of Higher Education, P.O. Box 542, Trenton, NJ 08625, 609.292.4310. **Notice to students**: In the event of a disorderly closure, the institutional debt shall be void and shall not be recovered, collected or enforced.

New York
DeVry has received permission to operate its academic programs in New York from the University of the State of New York Board of Regents/The State Education Department, 89 Washington Ave., 5 North Mezzanine, Albany, NY 12234, 518.474.2593.

Ohio
DeVry holds Certificate of Authorization by the Ohio Department of Higher Education, 25 S. Front St., Columbus, OH 43215, 614.466.6000.

Texas
DeVry is authorized to grant degrees by the Texas Higher Education Coordinating Board, P.O. Box 12788, Austin, TX 78711, 512.427.6101, 512.427.6127 fax. DeVry is granted exemption as a private university by the Texas Workforce Commission. Exemption status means DeVry is not approved or regulated by the Texas Workforce Commission.

Virginia
DeVry is certified to operate by the State Council of Higher Education for Virginia, 101 N. 14th St., Richmond, VA 23219, 804.225.2600. Associate degree programs are considered terminal and credits earned in these programs are generally not applicable to other degrees. More information on applicability of credits earned in associate degree programs to bachelor's degree programs is available from DeVry admissions representatives. DeVry University's Board of Trustees and the provost and chief academic officer have approved all degree programs and certificate programs offered by DeVry University and its Keller Graduate School of Management in the State of Virginia. DeVry's associate of applied science programs are technical programs; credits earned may not be applicable to degree programs offered at other institutions.

Bankruptcy Statement
DeVry University does not have a pending petition in bankruptcy, is not operating as a debtor in possession, has not filed a petition within the preceding five years and has not had a petition in bankruptcy filed against it within the preceding five years that resulted in reorganization under Chapter 11 of the U.S. Bankruptcy Code.

Colleges

College of Business & Management

DeVry University's College of Business & Management offers a variety of undergraduate certificate and degree programs to help students meet their education goals. Programs and courses are taught by faculty with real-world experience, who translate theory into practice and provide an enriching education through experiential learning, practitioner-based projects, case studies and more.

Mission of DeVry University's Undergraduate Business Programs
The mission of DeVry University's undergraduate business programs is to prepare learners to thrive in a digitally driven, global business environment by developing innovative thinking, collaboration, problem-solving, and ethical decision-making skills, including the responsible use of artificial intelligence and emerging technologies.

This mission is supported by activities throughout the undergraduate curriculum. Examples include:

- Communicate business information effectively to diverse audiences using digital platforms and AI-enabled communication tools.
- Analyze the relationships among key business functions to support integrated decision-making in organizations.
- Evaluate human resource strategies and practices to support workforce effectiveness, talent development and organizational performance in a global and digitally driven environment.
- Apply employment law, ethical principles and AI-enabled human resource technologies to support compliant and responsible human resource decision-making.
- Apply project management methodologies and tools to plan, execute and control projects that achieve organizational objectives in dynamic business environments.
- Evaluate project performance, risks and stakeholder needs to improve decision-making and enhance project outcomes using data-driven and digital tools, including AI.
- Analyze financial and managerial accounting data to support informed decision-making and improve organizational performance in a global business environment.
- Evaluate financial risks, reporting standards and internal controls to ensure compliance with ethical, regulatory and professional requirements using emerging technologies such as real time reporting systems, AI and machine learning.

Visit the Keller Graduate School of Management academic catalog for information on graduate-level degree and certificate programs offered through the University's College of Business & Management.

College of Engineering & Information Sciences

DeVry University’s College of Engineering & Information Sciences offers certificate and degree programs focused on innovation and practical application to help students begin their careers or prepare for professional positions with greater responsibility and reward. Curricula are developed with insight from industry experts who serve on our national advisory committees and include applied learning activities employing technologies applicable to diverse professions. Courses are taught by faculty who have relevant professional experience and are dedicated to educational excellence.

Each program features coursework designed to help students build interdisciplinary skills for an ever-evolving digital world.

Visit the Keller Graduate School of Management academic catalog for information on tech-focused graduate-level degree and certificate programs.

College of Liberal Arts & Sciences

DeVry University’s College of Liberal Arts & Sciences oversees a general education program designed to help students develop essential professional skills that demonstrate critical thinking and creative problem-solving. Students are exposed to focused, yet flexible, perspectives on communication, the arts, social sciences and humanities. These disciplines help students engage in diverse professional and civic communities and promote the value of lifelong learning.

General education courses are developed and updated with input from academic and industry leaders; are taught by faculty with relevant professional experience; and provide an enriching education through experiential learning, contemporary case studies, attention to context and utilization of emergent technologies.

More information on transitional studies courses and general education courses developed and delivered by the College of Liberal Arts & Sciences is found within the General Student Information section.

College of Health Sciences

DeVry University’s College of Health Sciences offers certificate and degree programs focused on in-demand technology-based healthcare fields. Leading industry professionals help build the curricula, which are taught by faculty with real-world experience and address knowledge needed to seek healthcare-related employment in hospitals, clinics and labs.

College of Media Arts & Technology

DeVry University’s College of Media Arts & Technology offers certificate programs focused on helping students build strong digital imaging skills, refine their design sensibilities and grasp diverse applications of artistic endeavors. Programs and courses are developed with input from a professional advisory board; are taught by faculty with industry-relevant experience; and provide an enriching education through experiential learning, access to the latest web and multimedia design technologies, and case studies.

Academic Calendar

Academic Calendar

DeVry University's annual academic calendar is divided into three 16-week semesters; courses are offered in two 8-week sessions within each semester. At the time a student initially starts courses, they are assigned a Student-Centric Period (SCP) designator code of Cycle 1 or Cycle 2. Certain academic policies and measurements specify actions on a semester basis, while many procedures occur on a session basis. Students should note how semesters and sessions relate to their planned coursework.

Academic Instruction and Faculty Office Hours
Each session, instruction ends at 11:59 pm MT on Saturday of week 8. No instruction occurs on holidays or during break periods. Online instruction, professor feedback and student-student interaction in the virtual classroom are continuous processes during each session.

In general, throughout the duration of a course, students can expect a response to online submissions of assignments any time after Tuesday evening following the weekly submission deadline, which is 11:59 pm MT Sunday night.

Faculty office hours are schedule at the discretion of each faculty member.

For more information, contact a student support advisor.

Academic Year
The academic year at DeVry University is defined as two consecutive semesters. DeVry offers enrollment in three semesters per 12-month period. DeVry offers courses in a session-based format.

Student-Centric Period
The student-centric period (SCP) is defined as an academic semester consisting of any two consecutive sessions that begins when a student matriculates and that ends when time requirements for that semester have been fulfilled.

Two overlapping calendar cycles designate sessions corresponding to DeVry's summer, fall and spring semesters. At the time students matriculate, they are assigned an SCP designator code of Cycle 1 or Cycle 2. The chart below outlines how sessions correspond to a student's spring, summer and fall semesters, based on assigned SCP cycle.

Student-Centric-Period Cycles		
Semester	**Cycle 1 Sessions**	**Cycle 2 Sessions**
Spring	January, March	March, May
Summer	May, July	July, September
Fall	September, November	November, January

Certain processes are conducted on a session basis; others are conducted on a semester basis.

Cycles 1 and 2 Breaks

- **2026 Winter Break:** Sunday-Sunday, December 20, 2026-January 3, 2027
- **2027 Spring Break:** Sunday-Sunday, April 25-May 2

- **2027 Summer Break:** Sunday-Sunday, June 27-July 4
- **2027 Winter Break:** Sunday-Sunday, December 19, 2027-January 2, 2028

Cycle 1 Academic Calendar	Cycle 2 Academic Calendar
2026 Fall Semester: August 31, 2026-December 19, 2026 **September 2026 Session** Monday, August 31: Session Begins Monday, September 7: Labor Day Holiday Saturday, October 24: Session Ends **November 2026 Session** Monday, October 26: Session Begins Thursday-Friday, November 26-27: Thanksgiving Break Saturday, December 19: Session Ends ***2026 Winter Break: Sunday-Sunday, December 20, 2026-January 3, 2027*** **2027 Spring Semester: January 4, 2027-April 24, 2027** **January 2027 Session** Monday, January 4: Session Begins Monday, January 18: Martin Luther King, Jr. Day Holiday Saturday, February 27: Session Ends **March 2027 Session** Monday, March 1: Session Begins Friday, March 26: Spring Holiday Saturday, April 24: Session Ends ***2027 Spring Break: Sunday-Sunday, April 25-May 2*** **2027 Summer Semester: May 3, 2027-August 28, 2027** **May 2027 Session** Monday, May 3: Session Begins Monday, May 31: Memorial Day Holiday Friday, June 18: Juneteenth Holiday Observed ***2027 Summer Break: Sunday-Sunday June 27-July4*** Monday, July 5: Session Begins Independence Day Holiday Observed Saturday, August 28: Session Ends **2027 Fall Semester:** **August 30, 2027-December 18, 2027** **September 2027 Session**	**2026 Fall Semester: October 26, 2026-February 27, 2027** **November 2026 Session** Monday, October 26: Session Begins Thursday-Friday, November 26-27: Thanksgiving Break Saturday, December 19: Session Ends ***2026 Winter Break: Sunday-Sunday, December 20, 2026-January 3, 2027*** **January 2027 Session** Monday, January 4: Session Begins Monday, January 18: Martin Luther King, Jr. Day Holiday Saturday, February 27: Session Ends **2027 Spring Semester: March 1, 2027-June 26, 2027** **March 2027 Session** Monday, March 1: Session Begins Friday, March 26: Spring Holiday Saturday, April 24: Session Ends ***2027 Spring Break: Sunday-Sunday, April 25-May 2*** **May 2027 Session** Monday, May 3: Session Begins Monday, May 31: Memorial Day Holiday Friday, June 18: Juneteenth Holiday Observed Saturday, June 26: Session Ends ***2027 Summer Break: Sunday-Sunday, June 27-July 4*** **2027 Summer Semester:** **July 5, 2027-October 23, 2027** **July 2027 Session** Monday, July 5: Session Begins, Independence Day Holiday Observed Saturday, August 28: Session Ends **September 2027 Session** Monday, August 30: Session Begins Monday, September 6: Labor Day Holiday Saturday, October 23: Session Ends **2027 Fall Semester:**

Monday, August 30: Session Begins Monday, September 6: Labor Day Holiday Saturday, October 23: Session Ends **November 2027 Session** Monday, October 25: Session Begins Thursday-Friday, November 25-26: Thanksgiving Break Saturday, December 18: Session Ends ***2027 Winter Break:*** ***Sunday-Sunday, December 19, 2027-January 2, 2028***	**October 25, 2027-February 26, 2028** **November 2027 Session** Monday, October 25: Session Begins Thursday-Friday, November 25-26: Thanksgiving Break Saturday, December 18: Session Ends ***2027 Winter Break:*** ***Sunday-Sunday, December 19, 2027-January 2, 2028*** **January 2028 Session** Monday, January 3: Session Begins Monday, January 17: Martin Luther King, Jr. Day Holiday Saturday, February 26: Session Ends

Religious Holiday Observance

Students who expect to miss classes or other course requirements because of their observance of a religious holiday will be provided reasonable accommodations to complete missed work. In order to be provided alternative accommodations, students must notify their professor of the need to be absent from class and/or miss a course requirement prior to the observance of the religious holiday(s). Students are encouraged to contact faculty as soon as they are aware that their religious holiday will conflict with class requirements. Students who notify their professor of the need for an accommodation will be provided an alternative assignment or extension to submit work after the conclusion of the religious holiday.

Credit Hour Definition

DeVry University follows the federal definition of a semester credit hour. The U.S. Department of Education (USDE) defines a credit hour as one hour (i.e., 50 minutes) of classroom or direct faculty/qualified instructor instruction and a minimum of two hours of out-of-class student work each week for approximately 15 weeks (i.e., 45 hours of learning activities). This definition also aligns with definitions from the Higher Learning Commission (HLC) and the Illinois Board of Higher Education (IBHE).

DeVry operates on a semester calendar; each semester consists of two eight-week sessions (visit the Student-Centric Period section). Courses may be offered through alternate scheduling options and teaching modalities, which are awarded equivalent semester-credit hours. Teaching modalities include the blended/hybrid modality (a mix of onsite and online) and the purely online modality. Course materials, learning objectives and program outcomes are equivalent across all teaching modalities.

DeVry University defines one credit hour based on a 15-week semester as the reasonable equivalent of one hour of documented faculty-directed instruction and two hours of academically engaged student learning. One hour of instruction is further defined as a 50-minute period. The combined three hours occur each week for 15 weeks. Alternate scheduling options equate to the 15-week semester.

Scheduling options are shown in the Academic Calendar section. The University’s course delivery modalities are outlined in the Course Delivery section.

At DeVry, a credit hour is defined as the learning that takes place in at least 45 hours of in-person or online learning activities, which include time for faculty-directed instruction, class meetings, laboratories, examinations, presentations, tutorials, preparation, reading, studying, hands-on experiences, simulations, case studies and other learning activities; or a demonstration by the student of learning equivalent to the established student outcomes.

Students should note that credit hours shown in each program in the Programs section are semester-credit hours, as aligned with credit hour definitions from the USDE, HLC and IBHE.

General Notes & Completion Time Options

At DeVry College of New York, programs are offered by Schools within the College.

General Notes

The pages that follow describe each DeVry University program, including program outcomes, degree or certificate awarded, program length, and program outlines that display program options and courses required for graduation.

Course sequences may vary, and DeVry reserves the right to revise, add or delete courses; alter the total number of class hours; and/or suspend, cancel or postpone a class for reasons including, but not limited to, the following: natural occurrences or other circumstances beyond DeVry’s control, holidays, special institutional activity days and registration days. If it becomes necessary for any reason to interrupt its regular class schedules or starting dates, DeVry may, upon reasonable advance notice, suspend or cancel instruction. DeVry will advise students as soon as

possible of dates for resumption of classes.

If the number of students enrolling in a starting class is deemed insufficient, DeVry reserves the right to cancel the starting class (a class that begins the first term of an academic program). If this occurs, applicants will be given a full refund, within 30 days of the application fee and prepaid tuition. If a continuing program or class is cancelled, students will be offered the opportunity to transfer within the DeVry system with full credit for all coursework completed.

Each student is required to complete a substantial portion of their program online. Not all programs are offered at all locations and online. Some courses may not be offered every session. Students should check with a student support advisor or location leader regarding course availability and delivery modality.

Applicants and students should consult DeVry's admissions staff or a student support advisor when reviewing information regarding DeVry locations, programs and courses such as:

- **Enrolled Location:** Students' enrolled location is determined at the time of admission and is reflected in enrollment materials and in DeVry's student information system. Programs and specializations are limited to those offered by students' enrolled location. Each student is required to complete a substantial portion of their program online.
- **Programs:** Students should be aware that:
    - Availability of programs, specializations (including concentrations, majors, technical specialties and tracks) and courses varies by location and delivery method. Some courses, including those required for some specializations, may be available online only.
    - Program outlines show the minimum credit hours required for graduation. In some programs, there may be a slight difference between minimum credit hours required for graduation and total credit hours required if all courses are taken at DeVry. Credit hour differences may benefit students with qualifying transfer credit. Students should contact a student support advisor for more information.
- **Specializations:** Successful completion of a specialization – including concentrations, majors, technical specialties and tracks – is noted on transcripts of students who declare such a specialization. Specializations are not shown on diplomas.
- **Program Notes:** Some situations may result in program requirements that differ from those shown in the program outlines. Notes that refer to specific state requirements indicate their applicability to students enrolled at a location within the state, to state residents enrolled as online students or to both. Some notes refer to students' enrolled location, as defined above, or to students' state of residence, regardless of the location at which students' classes are taught.
- **Courses:** The following courses, when applicable to the chosen program, must be taken at DeVry: CARD205, CARD405, CARD415, CEIS101, COLL148, HIM463 and LAS432; senior project and capstone courses ACCT461, BUSN460, COMM491, COMM492, HCA490, HIT277, HIT290, HIT291, HIT292, JADM490, JADM494 and TECH460. Transfer and proficiency credits are not granted to fulfill these requirements.

Program-Completion-Time Options

Each program can be completed on a normal-time-to-complete schedule or on a minimum-time-to-complete schedule, or through a combination of these schedule options. Each session within their student centric period (semester), students choose the schedule that best suits their goals and their

commitments outside of school.

Each program outline in this catalog shows program completion time in terms of semesters for both normal-time-to-complete and minimum-time-to-complete schedules.

- **Normal-time-to-complete schedule**: Students enrolling with a normal-time-to-complete schedule complete two semesters (four sessions) per each 12-consecutive-month period.
- **Minimum-time-to-complete schedule**: Students enrolling with a minimum-time-to-complete schedule maintain continuous year-round enrollment. Thus, these students complete three semesters (six sessions) per each 12-consecutive-month period.

All program completion times are expressed in calendar time (any period of 12 consecutive months starting at the beginning of a DeVry University session) and assume enrollment in the per-semester credit-hour range shown. Normal completion times assume students complete two semesters per 12-month period once they begin their program; minimum completion times assume students complete three semesters per 12-month period once they begin their program. In rare cases, a program's stated completion time is the same for both normal-time-to-complete and minimum-time-to-complete schedules.

Class Hours
Students with blended/hybrid class schedules attend class one weekday evening or on Saturday. Evening classes meet 6 pm to 9:30 pm or 6:30 pm to 10 pm. Saturday classes meet either 8:30 am to noon, 9 am to 12:30 pm, or 1 pm to 4:30 pm. In addition, students are required to participate in professor-guided online activities. Course syllabi for students attending through the blended/hybrid modality show both onsite and online time commitments.

Online courses are accessible 24 hours a day, seven days a week, during the eight-week session.

Canceled Classes
When a scheduled class is canceled, one or a combination of the following may occur to meet contact hour requirements:

- Rescheduling the class
- Adding time to a remaining onsite class meeting(s)
- Establishing a deadline for completion of an academic event

Missed Exams
Students are expected to take quizzes and exams at regularly scheduled times. When this is not possible because of circumstances beyond their control, such as documented illness or work-related travel, students may arrange to take a make-up quiz or exam by contacting their professor. Final exams must be taken during week 8 of the session. For all other types of exams and quizzes, the professor and student agree upon an appropriate day and time to make-up the missed exam or quiz.

General Information

General Student Information

Hours of Operation
Administrative hours at DeVry University locations are Monday through Friday 10 am to 6 pm; specific information is available from each location. In general, onsite classroom hours are Monday

through Friday beginning at 6 pm and ending as late as 10 pm. Virtual student support is available by calling 877-496-9050:

- Monday-Thursday 6 am to 7 pm MT
- Friday 6 am to 6 pm MT
- Saturday 7 am to 3 pm MT

Services and administrative office hours may vary.

For information about faculty office hours, visit the Academic Calendar section.

Artificial Intelligence Technology Use
Artificial Intelligence (AI) and other technologies may be used as part of University processes. Faculty and administrators determine guidelines given to AI tools.

Qualified faculty and administrators make final decisions in alignment with DeVry's academic policies, accreditor guidelines and regulatory requirements. AI tools do not replace human judgement or accountability.

Technology Specifications
Because technology changes rapidly, students should note that their computer or computing device used to complete coursework may need upgrading during the course of their program. Students are responsible for checking DeVry's website for hardware/software requirements before registering for courses.

Students must own or have off-site access to a computing device that meets current program-based requirements. They are also expected to have access to a reliable Internet source.

Students attending classes at a DeVry University location are expected to take their personal computing devices to class. The University does not guarantee computing devices will be available for student use at its locations. For more information, students should contact a student support advisor.

General Notes
The newest version of this academic catalog supersedes all other versions. It is the responsibility of applicants and students to check for updates.

DeVry University, Inc. is a wholly owned subsidiary of Cogswell Education, LLC, 19 W. Elm St., Greenwich, CT 06830, 630.799.0400. The University's Manhattan location operates as DeVry College of New York. References to DeVry within this graduate academic catalog are inclusive of DeVry University's Keller Graduate School of Management.

Program availability varies by location and delivery method; enrollment restrictions may apply. DeVry University's Keller Graduate School of Management master's degree programs are offered online, and degrees are conferred by DeVry University's Keller Graduate School of Management. DeVry reserves the right to change terms and conditions outlined in this catalog at any time without notice. Information is current at the time of publication. This catalog supersedes all previously published editions and is in effect until a subsequent catalog is published.

For students who signed enrollment agreements prior to May 13, 2016, DeVry University is forgoing its right to invoke the mandatory arbitration clause in the event of student/graduate claims or controversies arising out of or related to the terms of the Enrollment Agreement or education provided by DeVry University.

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Locations

DeVry University offers classes at locations nationwide, online and through extended classrooms. More information, including program availability at each location, is available via each location link below.

Arizona
DeVry's Phoenix location, in Deer Valley, is conveniently accessed from major streets and a freeway. Classrooms include Wi-Fi, to facilitate both individual learning and collaborative work, and provide adequate space for students to connect their own devices or to use a DeVry workstation/laptop. Wi-Fi is also accessible throughout the rest of the DeVry space, which offers a study area; conference room for group study or collaboration; a student commons area; and administrative office space. Students have access to a break room with kitchen and an adjacent wellness room. The building provides surface parking at no additional charge and EV charging stations. DeVry University's Library is virtual – eBooks, journals, online databases and other resources can be accessed via the main Library web page.

Phoenix
20430 N. 19th Ave., Ste. 170, Phoenix, AZ 85027
602.749.4500

California
DeVry's Encino, Newark, Ontario, San Diego and San Jose locations are conveniently situated near major freeways and offer modern, wired classrooms and lecture rooms to facilitate both individual learning and collaborative work. Classrooms also provide adequate space for students to connect their own devices or to use a DeVry workstation/laptop. The locations also offer Wi-Fi Internet access within the DeVry workspace as well as supportive staff and faculty. DeVry University does not have dormitory facilities under its control, nor does it assist students with finding housing. **Note:** Approximate housing expenses – which are subject to market fluctuation – differ considerably throughout California due to real estate costs, proximity to the DeVry University location and overall quality of a facility. The estimated monthly cost for a two-bedroom apartment is $1,000-$2,800.

Encino ***Close Date:*** *November 2026 will be the final session; location no longer accepting new applicants; limited onsite instruction continues for students already enrolled*

15531 Ventura Blvd., Ste. 100, Encino, CA 91436
818.713.8111

Newark
8000 Jarvis Ave., Ste. 220, Newark, CA 94560
510.574.1200

Ontario
2970 E. Inland Empire Blvd., Ste. 100, Ontario, CA 91764
909.622.8866

San Diego
2655 Camino Del Rio North, Ste. 205, San Diego, CA 92108
619.683.2446

San Jose
2160 Lundy Ave., Ste. 250, San Jose, CA 95131
408.571.3760

Florida
The Orlando location, accessible from major streets and highways, is designed to meet graduate and undergraduate students' needs with classrooms, accessible Wi-Fi throughout the DeVry space and private offices. The DeVry University Library is virtual – eBooks, journals, online databases and other resources can be accessed via the main Library web page.

Orlando
450 S. Orange Ave., 3rd Flr., Orlando, FL 32801
407.345.2800

Georgia
Decatur
One West Court Square, Ste. 600, Decatur, GA 30030
404.270.2706

Illinois
The University's Chicago and suburban locations serve both graduate and undergraduate students seeking degree and certificate credentials. Each site offers classrooms; a comfortable student commons area for study and tutoring; loaner laptops; and Wi-Fi internet throughout the DeVry space. One classroom at the Chicago location on Lawrence Avenue includes computers, and the Lisle location includes a Tech Bar.

Chicago
1900 W. Lawrence Ave., Ste. 100, Chicago, IL 60640
773.929.8500

Chicago Loop
200 W. Adams St., Ste. 1950, Chicago, IL 60606

312.372.4900

Lisle
4225 Naperville Rd., Ste. 400, Lisle, IL 60532
630.428.9086

New Jersey
Iselin
517 Route 1 S, Ste. 1000, Iselin, NJ 08830
732.729.3960

New York
Midtown Manhattan
DeVry College of New York
180 Madison Ave., Ste. 1200, 10th Flr., New York, NY 10016
212.312.4300

Ohio
DeVry University's Columbus location is nearly 5,300 square feet and offers four classrooms and space for administrative staff. Wi-Fi internet is accessible throughout the DeVry space, which also offers a student commons area. Classrooms, including a video-connected classroom, are used for lectures and for applied learning activities.

Columbus
2 Easton Oval, Ste. 210, Columbus, OH 43219
614.253.7291

Texas
Irving
100 E. Royal Ln., Ste. 105, Irving, TX 75039
972.929.6777

Virginia
Arlington
1400 Crystal Dr., Ste. 120, Arlington, VA 22202
703.414.4000

Online
Home Office and Online Administration
4225 Naperville Rd., Ste. 400, Lisle, IL 60532
Admissions – 800.231.0497
Student Services – 877.496.9050 (877.453.3879 fax)
https://www.devry.edu

Student Services & Support Resources

Advising and Student Support

DeVry University is committed to helping students achieve their education goals. Supporting students throughout their academic journey is a team of colleagues, including Student Central leaders, student support advisors (SSAs) and faculty, who can direct students to appropriate resources.

SSAs offer academic and financial advising, and are also available to discuss career plans, professional services and extracurricular activities. Students can find their assigned SSAs within the Student Finance tab on the University's student portal. Contact information, including phone number, for a student's assigned SSA is listed. While each student has an assigned advisor, any SSA within Student Central may assist the student.

Students may be required to participate in formal academic advising if:

- They repeat a course to achieve an adequate grade.
- The academic administrator determines a formal intervention might be beneficial to the student.

Advising may result in a written plan for improvement and follow-up that is agreed upon by the student and the advisor. Students are encouraged to reach out to faculty for support and guidance.

Career Services

Although DeVry does not guarantee employment, career services professionals are available to assist students and alumni in their career searches. Staff members help with career planning, job interviewing and résumé preparation. Once enrolled, students can access career resources. In addition, students who have completed two or more courses at the University can schedule one-on-one meetings with their career advisor. To access all resources, as well as schedule a session with their career advisor, students log in to DeVry's career platform, HireDeVry Powered by Prentus, through the student portal. Alumni can also access all resources through the student portal or through the Alumni Association website.

Career services available to students and alumni include:

- **Career Coaching**: Career coaching assists students and alumni in their career search by helping them create résumés and cover letters, prepare for interviews, and learn about networking opportunities and job-seeking strategies. Career coaching includes one-on-one appointments with career services professionals who focus on an individual's job search obstacles and develop strategies to help them reach their employment goals. Appointments occur virtually via phone, web-sharing and email to ensure flexibility in meeting the needs of students and alumni.
- **Job Search Platform**: DeVry maintains an interactive platform, HireDeVry, that contains job opportunities from employers looking to hire for various roles throughout the United States. This online job search tool provides students and alumni access to active internship, apprenticeship, remote and full-time opportunities.
- **Career Events**: DeVry Career Services hosts career events throughout the year to help students and alumni continue their career development, network with each other and connect with recruiters actively hiring. Events may include career development webinars hosted by subject matter experts, employer information sessions and virtual career fairs.
- **Experiential Learning Education**: DeVry Career Services communicates the importance of experiential learning to current students. Career services professionals focus on identifying unique opportunities that help enable students to apply their classroom learning in real-world

situations. Opportunities include internships, micro-internships and virtual internships; apprenticeships; volunteer opportunities; and ways in which students can use their current employment to help expand their program knowledge.

In addition, resources such as recorded webinars, program-focused career resources and videos can be accessed in HireDeVry. Resources are created exclusively for DeVry University students and alumni by DeVry Career Services staff.

DeVry University undergraduate and graduate students, and alumni, employed by the University are not eligible to receive career service benefits.

DeVry's graduate employment statistics are available through the Admissions Office and via the University's Student Consumer Information web page.

Supportive Learning Environment
Through the University's online training platform, students and faculty have unlimited access to web-based short courses of professional or personal interest. Courses are self-paced, tutorial in nature and range from two to 10 hours in length.

In addition, the Student Resource Center (SRC) in the University's learning management system is designed to enhance students' online learning experience. Containing a wealth of student resources, the SRC helps students easily:

- Access the online library
- Find tutoring services
- Review technology requirements for online learning and available learning technology resources
- Enhance written communication skills via the DeVry University Writing Center
- Find information about accessibility tools

StudentLinc Student Assistance Program
To help address everyday issues, DeVry provides a student assistance program at no additional cost. StudentLinc offers access to expert guidance through:

- A licensed clinician, accessible by phone 24/7/365, who can address student concerns such as work-related pressures, depression, stress, anxiety, grief/loss, relationship problems or substance abuse.
- Consultation with a licensed financial counselor, to help with financial planning.
- Convenience resources, such as referrals for child and elder care; home repair and housing needs; pet care and adoption; and more.
- Legal consultation with a local attorney by phone or in-person.

Accessing Support
Students can access support, including self-improvement programs and educational modules; legal and financial resources; child and elder search engines; and thousands of articles, tip sheets and videos:

- Via DeVry's student portal

- By calling 888.893.5462 – 24/7/365
- By emailing support@curalinc.com
- By texting “support” to 51230
- Via live chat, using the eConnect® mobile app or through DeVry’s student portal
- Via video chat counseling (desktop or mobile)
- Via Textcoach® personalized coaching (desktop or mobile)
- Through Animo self-directed modules (desktop or mobile)
- Through in-person consultation with a local counselor

StudentLinc’s confidentiality standards ensure students’ privacy, except in cases where there is imminent threat to the student’s or others’ safety (in such cases, StudentLinc clinicians reach out to local emergency services to request a well-being check) or as required by law. More information is available via the StudentLinc support portal (password: devry) and from DeVry student support advisors.

Alumni Association
The goal of the Alumni Association is to support the career journey of graduates by offering professional development resources, lifelong learning opportunities, as well as ongoing delivery of benefits and services. Alumni Association membership is complimentary to all certificate and degree program graduates of the University. For more information, visit the Alumni Association website or email alumni@devry.edu.

Disability Accommodations
Reasonable accommodations are provided to students with disabilities in accordance with applicable laws. The Office of Student Disability Services can provide additional information about DeVry’s Nondiscrimination policy and assistance with accommodation requests during the admission process or after enrollment. To learn more, email adaofficer@devry.edu.

Library
DeVry University’s library is virtual and supports student learning. Students can access digital library materials from the main page of the Library via their personal devices 24/7. Resources include periodical and research databases, e-books, full-text journal articles and information from academic and trade publications. DeVry locations offer a student commons area – an open space where students can collaborate, study or conduct online research. At such locations, library resources can be accessed through a computer available for student use in the student commons.

DeVry’s professional librarians are available to help students access library resources, search for information and provide direction for their research questions. Students can contact librarians by live chat or email, or by calling the Library toll-free at 800.293.3044. A library chatbot is also available to help students 24/7.

To learn more about Library resources and services, visit the Library.

Bookstore
Textbooks, software and required supplies, such as parts and kits for lab projects, are available from the University’s online bookstore, accessed via DeVry’s student portal. Supplementary books and supplies may also be available.

DeVry University Writing Center
Extending learning beyond the classroom, the DeVry University Writing Center (DWC) provides resources and programming to enhance writing and communication skills. The center offers relevant and engaging asynchronous resources, as well as synchronous learning opportunities, for a diverse community of learners.

The DWC is dedicated to:

- Supporting writing and communication for academic, professional and personal applications.
- Helping develop and enhance effective and ethical writing and communication.
- Providing a platform for engaging in, and collaborating on, existing and emerging communication-related issues and needs.

The center addresses the importance of writing, essential communication skills, the writing process, and developing and supporting arguments and ethical communication, drawing on resources from professional organizations, the University and other higher education organizations. The DWC also offers live 30-minute workshops to help current students learn more about resources at DeVry University that focus on skills including critical thinking and information literacy.

More information is available on the DWC web page.

Program Information and Requirements

Program descriptions provide information regarding each curriculum. Program availability varies by location and delivery method, as do specific program details such as areas of specialization, program options and course requirements. More information is available from a student support advisor.

Regarding courses and program content shown in the Programs section, the sequence in which courses are taken may vary based on scheduling needs. Some courses may not be offered every semester or at every location. Transitional studies coursework may affect program length and cost (visit the Transitional Studies Courses section).

For each program in the Programs section, the minimum semester-credit-hour requirement for graduation is provided, as is information related to program completion times for both normal- and minimum-time-to-complete schedules (visit the Program Completion Time Options section). Also provided, in each program outline, is the distribution of required courses in each course area. A limited number of elective/alternate courses may also be available to fulfill program requirements. Visit the Elective and/or Alternate Courses section. Though some courses may appear in more than one course area, each course may be applied to fulfill one graduation requirement only.

Courses with the CARD designator, COLL148, all senior project courses and LAS432 must be taken at DeVry. In addition, students must obtain permission from the appropriate academic administrator prior to enrolling in any senior project course, in LAS432 and/or in certain courses with the CARD designator.

Based on location-specific and individual selections, total credit hours required in each course area may exceed those listed in the program descriptions.

DeVry Certificate and Associate Degree Holders
For students who earned a DeVry undergraduate certificate or associate degree and are enrolling in a DeVry program culminating in a more advanced academic credential, the University reviews DeVry coursework for applicability to the new program of enrollment. In addition, DeVry may adjust bachelor’s degree program requirements as follows:

- Successful completion of ETHC232 may be used to fulfill a Humanities requirement in the bachelor’s degree program.
- Successful completion of CARD205 may be used to fulfill part of the Personal and Professional Development requirement in the bachelor’s degree program, and CARD415 is taken in lieu of CARD405.

 **TECHPATH**
Today’s leading businesses are powered by innovation and technology. As the workplace becomes digitized at an unprecedented pace, success is fueled by the ability to use technology to make data-driven decisions. That’s why DeVry infuses programs with technology and hands-on experiential learning. We call it TechPath, and the goal is simple: to provide our graduates with real-world opportunities to solve problems, think critically, work in teams, analyze data, present solutions and stand out as leaders in our digitally driven world.

University General Education Program

At DeVry University, core general education courses in associate and bachelor's degree programs provide students with critical learning experiences that support general education and programmatic learning outcomes, and associated knowledge, skills and abilities. The common general education core emphasizes six key areas: Communication, Critical Thinking, Information Literacy, Digital Fluency, Cultural Competence, and Global Awareness and Civic Engagement. General education courses are aligned to these six Common Learning Outcomes to promote and develop knowledge, skills and abilities that enhance our career-oriented programs.

These Common Learning Outcomes reflect DeVry University's commitment to industry-relevant and technologically rich educational experiences that focus on the core values of DeVry's mission. This relationship establishes DeVry's philosophy for curriculum design, which is predicated on learning materials and methods that are current and practitioner-based, and that incorporate technology. The Common Learning Outcomes are reviewed, achieved and reinforced through a comprehensive assessment approach across course levels and continual curriculum development processes that are informed by student needs and outcomes.

DeVry's general education Common Learning Outcomes drive and shape each student's academic journey and support their professional objectives by helping them achieve competence in the following areas:

Communication: Develop communication strategies to engage professional communities through actions such as:

- Developing audience-appropriate communication through written, oral and visual forms to promote understanding of complex topics.
- Utilizing collaboration techniques that illustrate teamwork and effective leadership skills.
- Practicing listening skills and nonverbal communication strategies to achieve communication goals.

Critical Thinking: Integrate academic and professional principles, concepts and methodologies to strategically analyze and solve complex problems through actions such as:

- Applying logical reasoning to academic and professional problems to develop solutions.
- Managing projects to transform knowledge into strategic and outcome-driven plans and solutions.
- Demonstrating innovative thinking through intellectual curiosity and creative problem-solving.

Information Literacy: Conduct ethical research to formulate conclusions through actions such as:

- Constructing thoughtful and relevant questions to guide inquiry.
- Determining the value and potential bias of sources within academic and professional contexts.
- Filtering, synthesizing and analyzing complex and flawed information to reach meaningful conclusions.

Digital Fluency: Leverage current and emerging technologies through actions such as:

- Selecting and utilizing appropriate technological tools and styles for fluid communication.
- Using key technology platforms essential for modern workplace success.
- Applying digital and technological tools to help solve professional and community-based problems.

Cultural Competence: Engage and collaborate with individuals with varying perspectives and backgrounds through actions such as:

- Leading or contributing to heterogeneous teams and working collectively to achieve a stated goal.
- Fostering awareness of, and respect for, assorted viewpoints to promote constructive conversations, empathy and intellectual curiosity.
- Understanding differences among cultures to help encourage collaborative practices.

Global Awareness and Civic Engagement: Engage and respond to civil, social, cultural and global issues through actions such as:

- Developing awareness of varying cultural and global contexts and trends to promote engagement and action.
- Promoting ethical reasoning by examining implications of current events, industry trends and personal values to promote understanding and empathy.
- Establishing connections between self, profession and the global community.

Embedded Programs

Students can earn only one additional credential enroute to earning the next higher credential. The table below indicates the one enroute credential that may be earned.

Embedded Programs		
Primary Degree Program of Enrollment	**1st Enroute Credential: Undergraduate Certificate**	**2nd Enroute Credential: Associate Degree**
Associate in Business	Business Essentials	N/A
Associate in Cybersecurity & Networking	Cyber Security	N/A
Associate in Information Technology & Networking with Undeclared track	Information Technology Essentials	N/A
Associate in Information Technology & Networking with Automation and Electronic Systems track	Information Technology Essentials	N/A
Associate in Information Technology & Networking with Network Systems Administration track	Information Technology Essentials	N/A
Associate in Information Technology & Networking with Information Systems and Programming track	Information Technology Essentials	N/A
Bachelor's in Cybersecurity & Networking	Cyber Security	Cybersecurity & Networking
Bachelor's in Engineering Technology	Engineering Technology	Engineering Technology with Machine Learning and Design Techniques option
Bachelor's in Computer Information Systems	Programming Essentials	Information Technology & Networking with Information Systems and Programming track
Bachelor's in Information Technology & Networking	Networking Essentials	Information Technology & Networking with Network Systems Administration track

Stackable Programs

Each undergraduate certificate and associate degree in the following table can be earned as a standalone credential, credits from which are transferrable to the corresponding degree programs. Students in undergraduate certificate and associate degree programs who plan to pursue a stackable course of study are strongly encouraged to contact a student support advisor to ensure courses selected meet requirements for stackability. At the time of application to the next credential level, an evaluation of qualifying transfer credit will occur and the most beneficial outcome will be applied.

Future programmatic changes could impact application of credit to a future program.

Students should contact a student support advisor for more information.

Some courses in programs with an asterisk (*) do not transfer to the next credential. Additionally, a caret (^) indicates some courses in the program do not transfer to the Technical Management bachelor's degree program when selecting a technical specialty of Information Technology, Health Information Management or Criminal Justice.

Stackable Programs		
Undergraduate Certificate	**Associate Degree**	**Bachelor's Degree**
Accounting	N/A	Accounting
		Business Administration with Accounting major/concentration
		Business Management with Accounting concentration
		Technical Management with Accounting technical specialty
AI & Data Analytics	N/A	Software Development with AI and Data Analytics track
Aspiring Management Pathway	N/A	Business Administration
		Business Management
		Technical Management
Business Essentials^	Business^	Business Administration
		Business Management
		Technical Management
Cloud Computing	N/A	Information Technology & Networking with Cloud Based Networking and Virtualization track
Cyber Security	Cybersecurity & Networking	Computer Information Systems with Cyber Security Programming specialization
		Cybersecurity & Networking
		Information Technology & Networking with Cyber Security track
Engineering Technology	Engineering Technology	Engineering Technology
Information Technology Essentials	Cybersecurity & Networking	Cybersecurity & Networking
		Information Technology & Networking with Cyber Security track

	Engineering Technology with General Option	Engineering Technology
	Information Technology & Networking with Automation and Electronic Systems track	
	Information Technology & Networking with Information Systems and Programming track	Computer Information Systems
		Software Development
	Information Technology & Networking with Network Systems Administration track	Information Technology & Networking
Internet of Things	N/A	Information Technology & Networking with Mobile and Networked Devices track
Medical Billing & Coding*	Health Information Technology with Health Information track*	Technical Management with Health Information Management technical specialty
Medical Billing & Coding – Health Information Coding*		
N/A	Health Information Technology with Analytics, General Health Services, or IT and Cybersecurity track*	Healthcare Administration with General Health Services track
		Technical Management with General Technical Option technical specialty
Networking Essentials	Information Technology & Networking with Network Systems Administration track	Information Technology & Networking
Programming Essentials	Information Technology & Networking with Information Systems and Programming track	Computer Information Systems
		Software Development
Project Management	N/A	Business Administration with Project Management major/concentration
		Business Management with Project Management concentration
		Technical Management with Project Management technical specialty
Project Management Pathway	N/A	Business Administration with Project Management major/concentration
		Business Management with Project Management concentration
		Technical Management with Project Management technical specialty

Software Development with Application Development track	N/A	Software Development
Software Development with Software Design and Engineering track	N/A	Software Development with Software Design and Engineering track
		Software Development with General Option track
Software Development – General Option	N/A	Software Development with General Option track

Course Delivery Formats

All DeVry courses use the University's learning management system (LMS) to reinforce active learning; provide a common course structure and communication vehicle; and offer centralized student resources, including course syllabi, objectives, assignments, assessment rubrics, tutorials, discussions, milestones and grade updates. Course objectives are provided in course syllabi, and program outcomes are included in the Programs section.

Students should note that DeVry University reserves the right to alter the number of contact hours for reasons including, but not limited to, occurrences beyond DeVry's control, holidays, special institution activity days and registration days. Services and administrative office hours vary by DeVry University location and may be limited during evenings and weekends, or online.

Courses delivered in each modality below are designed to achieve the same student outcomes and are academically equivalent. For all programs, regardless of modality, the University observes student success measures that are holistic and support overall student completion. Many DeVry University courses are offered in a purely online modality.

Prior to beginning courses, all students are provided a virtual New Student Orientation session (live or recorded) for a thorough introduction to the online functionality and to the general requirements of courses at DeVry University. After registering for a course, students are granted access to preview the course shell for up to two weeks prior to the scheduled course start date.

Courses may be delivered as:

- ***Blended/Hybrid (mix of onsite and online)***
  Students in blended/hybrid courses attend onsite scheduled weekly course meetings (i.e., lectures) at a University location and also complete a substantial amount of course-related activities online. Online course activity is completed asynchronously in the LMS. Activities include, but are not limited to, completing practice problems, readings, lab exercises and homework; and participating in discussion threads, and in faculty-directed and individual study components. All course materials and technologies for blended/hybrid courses are accessed via the LMS.

  Some blended/hybrid courses may offer instruction via videoconference from a single DeVry University location and be delivered to other DeVry locations and/or to fully online students

via technology. To complete blended/hybrid courses, students must be in close proximity to a University location.

- ***Online***
  Students in online courses complete all course-related activity online in the LMS. Coursework can be completed asynchronously throughout the session, with assignment and project submissions required by posted due dates. In many courses, faculty hold optional synchronous live lessons each week; these lessons are recorded for asynchronous review.

Course activities include, but are not limited to, completing practice problems, readings and lab exercises; and participating in discussion threads, and in faculty-directed and individual study components. Professors guide students through online courses, engaging them in discussions and reflections; answering questions; and posting course announcements, reminders, and supplemental and reference materials, as needed. Professors teaching online also offer virtual office hours for student support. All materials and technologies for online courses are accessed via the LMS.

References to onsite refer to the blended/hybrid course delivery modality.

Course Related Requirements

Applied Learning Activities
Applied learning activities are integrated into many DeVry courses, some of which include “with Lab” in the course title. Applied learning activities within these courses are completed online, through the University’s virtualized learning environment.

Corequisite Enrollment
When a course description lists a corequisite, enrollment in that course and its corequisite is generally required during the same semester or session.

Equivalent Courses or Course Equivalencies
Certain DeVry courses that include similar, but not necessarily identical, content are considered equivalent to one another. As such, to fulfill a certain graduation requirement, students may be able to complete a course not shown in their program outline provided the course is considered equivalent. Course equivalency information is available from the appropriate academic administrator.

Limitations exist. Students are strongly advised to seek academic advising before enrolling in a course they believe to be equivalent to one that fulfills a graduation requirement.

Transitional Studies Courses
Transitional studies coursework (BUSN062 and MATH062) provides individualized intensive support and skill development for students who require additional instruction in composition and/or beginning algebra. Transitional studies courses may be offered in various formats, and may be taken separately or in conjunction with other coursework, provided prerequisites are met. Students requiring transitional studies must begin this coursework no later than their second session of enrollment and must continue to enroll in at least one transitional studies course each session of attendance until all transitional studies requirements have been satisfied. Required transitional studies coursework may affect program length and cost. Note: Students requiring transitional studies coursework may not be able to select a minimum-time-to-complete schedule until all

transitional studies course requirements have been fulfilled, which would increase program completion time. Such students should work with a student support advisor to determine an appropriate schedule.

Those who have not met these requirements may not be able to self-register for courses until all transitional studies requirements have been satisfied. Permission to enroll in many standard-level courses is dependent on successful completion of transitional studies coursework.

Students who cannot self-register should contact a student support advisor to complete the registration process.

Transitional studies courses may not be applied to elective course requirements.

DeVry reserves the right to limit enrollment of applicants requiring transitional studies coursework.

Transitional studies courses are unlikely to transfer to other institutions.

Course Availability and Scheduling
The sequence in which courses are taken may vary based on scheduling needs. Students should note that not all courses are available every session and at every location, including online. This may affect the time needed to complete a program, as well as the length of both normal- and minimum-time-to-complete schedules shown in the Programs section.

Course availability may be affected by enrollment minimums and maximums.

Each student is required to complete a substantial portion of their program online; online course availability may be subject to enrollment minimums and maximums.

General Education Courses
General education coursework is integral to DeVry curricula and extends the range of learning while providing a context for specialized study. To this end, communication skills, social sciences, humanities, and math and science courses are included in the curricula to help broaden students' perspectives. Such courses also help develop skills and competencies that enhance students' academic success, as well as graduates' personal and professional potential.

Elective and/or Alternate Courses
DeVry offers some undergraduate-level elective and alternate courses that support each program's outcomes and graduation requirements. In consultation with faculty and program administrators, students may select these courses, as shown in this catalog, as replacements for recommended courses provided prerequisite requirements and credit hour minimums within each course area are met (visit the Programs section).

Students enrolled in a DeVry associate degree program who plan to complete a corresponding DeVry bachelor's degree program must communicate this intention to a student support advisor prior to enrolling in coursework applicable to the bachelor's degree program only.

Restrictions on financial aid for elective and/or alternate courses may apply (visit the Financial Aid section).

Corresponding DeVry Associate and Bachelor's Degree Programs	
Associate Degree Program	**Bachelor's Degree Program(s)**
Business	· Accounting · Business Administration · Business Management · Technical Management
Cybersecurity & Networking	· Computer Information Systems · Cybersecurity & Networking · Information Technology & Networking · Technical Management
Engineering Technology	· Engineering Technology · Technical Management
Health Information Technology	· Technical Management
Information Technology & Networking	· Computer Information Systems · Engineering Technology · Information Technology & Networking · Software Development · Technical Management

Accounting Courses
Several DeVry accounting courses integrate learning approaches and materials of Becker Professional Education, which help prepare students for the world of professional accounting.

Requirements for Undergraduate Students Enrolling in Keller Courses
Enrollment in graduate-level courses offered by the University's Keller Graduate School of Management is limited to undergraduate students in certain DeVry bachelor's degree programs. More information is available from a student support advisor.

To enroll in a Keller course, students in an eligible program must be – and remain – in good academic standing, have completed at least 89 semester-credit hours applicable to their enrolled program, have a cumulative grade point average of 3.0 or higher at the time of enrollment and receive approval from the appropriate academic administrator.

Generally, qualified undergraduate students may enroll in a maximum of three Keller courses (nine semester-credit hours) provided they earn a C or higher in their first, and in each prior, Keller course. Undergraduate students' enrollment in Keller courses is limited to Keller courses designated with a 'G' (e.g., MGMT591G).

Undergraduate students enrolling in Keller courses are charged undergraduate tuition and follow undergraduate academic engagement (attendance) and financial aid policies. They also follow the undergraduate grading scale. Students who wish to apply prior graduate-level credit to fulfill an applicable elective credit hour requirement in their bachelor's degree program must meet prior learning credit requirements specified in the Keller catalog. Those who must repeat a course for any reason must receive approval for the repeat from the appropriate academic administrator and are limited to one course repeat.

Enrollment in a Keller course does not constitute admission to Keller Graduate School of Management. Students choosing to continue their education at Keller must meet the University's graduate admission and transfer credit requirements for their graduate-level courses to be applicable to a Keller program.

Employment in Criminal Justice
DeVry applicants and students should note that careers in criminal justice often require completion of additional government-required or other training programs, or for job applicants to have significant relevant career-related experience. They should also note that those applying for criminal justice positions may be subject to pre-employment screenings such as, but not limited to, criminal background checks, drug and/or alcohol testing, physical and/or psychological examinations and credit checks. Unsatisfactory screening outcomes may result in denial of an offer for a position in the field.

Applicants and students should contact their state department of criminal justice to verify training and education requirements.

Applied Learning Activities
Applied learning activities are integrated into many DeVry courses, some of which include "with Lab" in the course title. Applied learning activities within these courses are completed online, through the University's virtualized learning environment.

Course Levels

Course Levels

DeVry offers undergraduate courses at the 100-400 levels. Courses at the 100 and 200 levels are lower-division courses; 300- and 400-level courses are upper-division courses. Courses at the 500 level are graduate courses. Characteristics of courses at each level, as well as how course levels may align to Bloom's Taxonomy (knowledge, comprehension, application, analysis, synthesis, evaluation) and Miller's Pyramid – recollection (knows), interpretation/application (knows how), demonstration (shows), performance (does) – are:

- **100 Level:** Courses at the 100 level typically provide a foundation of knowledge upon which students can further build their understanding of topics and concepts in future courses. Students focus on knowledge and comprehension levels and are provided opportunities to demonstrate their understanding through application and analysis. Typically, 100-level courses have no prerequisites or require other lower-division courses as prerequisites.

- **200 Level:** Courses at the 200 level typically are more advanced introductory courses covering complex concepts, with some courses building on understanding achieved in 100-level courses. Coursework emphasizes application and analysis, such as through hands-on practical exercises and supervised experiential learning. In some 200-level courses, students begin to synthesize and evaluate information presented.

- **300 Level:** Courses at the 300 level typically present students with more discipline-specific concepts, frameworks, and/or tools and technologies that often build on skills and knowledge covered in required 100- and 200-level courses. Students combine application and analysis skills acquired in lower-division courses with synthesis and evaluation skills to explore real-world problems.

- **400 Level:** Courses at the 400 level typically are designed to advance students' understanding of discipline-specific concepts and frameworks, and/or skill with various tools and technologies. These courses cover complex topics requiring advanced independent thought. Such courses include senior projects, advanced specialization courses, and practica or supervised experiential learning.

- **500 Level:** Reflecting the majority of courses in graduate programs, 500-level courses require advanced independent thought and managerial decision-making involving application, analysis, synthesis and evaluation of course concepts to meet stakeholder needs.

Skills Coursework and Badges

Students in certificate and degree programs have an opportunity to earn digital badges that reflect acquired skills and knowledge for careers in today's workforce.

Students are awarded a digital badge upon successful completion of each course below.

Some courses and badges are part of the University's DeVryAI Catalyst curriculum, which is built into every DeVry program and provides students hands-on experience with AI-powered productivity, automation and innovation tools for application in industries including business, healthcare and technology. Badges for courses focused on leadership and management can also be

earned.

Students should contact a student support advisor to register for badge courses or for more information.

Course Designator and Title	Badge Name
BIAM112: Introduction to AI and Business Analytics	**AI and Analytics Badge** • Apply foundational understanding of methods to create, collect and analyze data to support informed business decision-making • Leverage basic statistical analysis, linear regression and data visualization using AI-enhanced tools with spreadsheets to influence decision-making
BIAM300: Managerial Applications of Business Analytics	**Business Analytics Badge** • Evaluates key themes in business intelligence and analytics, emphasizing their impact on organizational management • Applies business analytics techniques, including business modeling, data sources, performance indicators, data warehouses and data mining
BUSN210: Fundamentals of Artificial Intelligence in Business	**AI in Business Badge** • Analyze how core AI technologies are applied across business functions to improve decision-making, efficiency and customer engagement • Evaluate real-world AI use cases to identify opportunities, risks and competitive advantages, including ethical and privacy considerations
HCA240: Fundamentals of Artificial Intelligence in Healthcare	**AI in Healthcare Badge** • Demonstrates the ability to define core AI technologies used in healthcare; navigate AI-powered documentation and scheduling platforms in simulated scenarios; and evaluate AI outputs for accuracy, bias and HIPAA compliance • Applies critical judgment to determine when AI-generated results require human intervention, and articulates the ethical and regulatory considerations of deploying AI tools in environments handling protected health information
HIT240: Fundamentals of Artificial Intelligence in Healthcare	**AI in Healthcare Badge** • Demonstrates the ability to define core AI technologies used in healthcare; navigate AI-powered documentation and scheduling platforms in simulated scenarios; and evaluate AI outputs for accuracy, bias and HIPAA compliance • Applies critical judgment to determine when AI-generated results require human intervention, and articulates the ethical and regulatory considerations of deploying AI tools in environments handling protected health information

LAS432: Technology, Society, and Culture	**Global Awareness Badge** • Analyzes technological challenges, assesses their social and ethical impacts, and develops well-researched solutions • Effectively communicates ideas and solutions related to global issues impacted by changing technologies
LEAD150: Leadership and Facilitating Change	**Leadership and Change Badge** • Develops critical thinking and communication skills essential for leadership • Gains insight into current leadership trends and technological tools used to enhance leadership capabilities
LEAD570G: Leadership in the Age of AI	**Leadership and AI Badge** • Demonstrates readiness to lead transformative projects and foster innovation • Exemplifies ability to tackle complex challenges, drive growth and create value in today's workforce
MIS541G: Innovation Through Technology and AI	**Technology Management Badge** • Highlights expertise in driving innovation and leveraging emerging technologies • Signals proficiency in strategic thinking, design thinking and product management
SIS180: Introduction to Machine Learning and Artificial Intelligence	**AI and Automation Badge** • Applies AI and machine learning without needing coding skills • Utilizes AI strategically in real business contexts and workflows
TECH110: Coding and Scripting	**AI and Vibe Coding Badge** • Builds practical, hands-on coding and scripting skills that automate tasks and solve real problems • Leverages modern tools – including AI-assisted development –for efficient workflow and develops understanding of a changing digital job market
TECH112: AI in Industry	**AI and Productivity Badge** • Establishes a comprehensive foundation in AI concepts and capabilities, clarifying how modern intelligent systems operate • Strengthens readiness for the digital workplace by demonstrating how AI and related technologies enhance productivity, communication and collaboration

Student Records

All materials submitted in support of students' applications, including transcripts from other institutions, letters of reference and related documents, become the property of DeVry University. During a student's enrollment, DeVry maintains records that include admission and attendance information, academic transcripts and other relevant data. In accordance with DeVry's academic records retention schedule, student academic records are maintained for a minimum of six years after the student is no longer enrolled. Students who wish to review their files must submit a written request to the registrar. Permanent student records include admission information and academic transcripts.

Except as required by law, no information regarding attendance, grades or any other aspect of students' academic standing will be released to any third party without written student consent.

Official Transcripts
An electronic final transcript is sent to students automatically, at no charge, upon graduation.

Students and alumni must submit requests for official transcripts via DeVry's student portal. Students and alumni are charged $10 for each electronic transcript and $15 for each paper transcript.

DeVry University does not withhold transcripts from students who have an unpaid balance.

Diplomas
Diplomas are mailed after all graduation requirements have been met. Students should note that the degree awarded is indicated on diplomas and transcripts; however, specializations are indicated on transcripts only.

Document Requests
To obtain student records such as billing statements, diplomas, enrollment agreements, registration documents and transcripts, students should contact a student support advisor at 877.496.9050. Requests may also be submitted by one of the following methods:

- Email: documentrequest@devry.edu
- Fax: 630.689.4003 (Attn: Document Request)
- Mail:

DeVry University
Attn: Document Request
4225 Naperville Rd., Ste. 400
Lisle, IL 60532

Work-Based Learning Experiences

Work-Based Learning Experiences
Work-based learning (WBL) opportunities, such as those noted below, provide experiential learning that augments traditional college coursework. DeVry University evaluates WBL opportunities and may offer:

- **Sponsored Projects:** These provide academic credit and count toward graduation requirements typically as part of a capstone course.
- **Internships:** These may provide credit toward academic program requirements and may count toward graduation requirements.
- **Co-ops and Practica:** These typically provide credit toward academic program requirements and apply to graduation. Practica may be graduation requirements for certain academic programs and may be included in the programs as course requirements.
- **Apprenticeships, Externships and Service Learning:** Generally, these opportunities do not provide academic credit and as such do not count toward academic program or graduation requirements, unless components are applied to a course or other academic requirement.

Individual WBL program materials and/or contacts may provide programs details, including information about potential payment.

To participate in WBL experiences, students must submit appropriate documentation, such as an application; be in good academic standing; meet minimum grade point average and credit hour requirements for the WBL program; and meet program, employer and/or WBL site requirements. More information may also be available from student support advisors.

Admissions Requirements

DeVry Admission Requirements

General Admission Requirements
To be granted admission to DeVry University, a prospective undergraduate student should interview with a DeVry admissions advisor/representative and must complete an application.

DeVry does not accept Ability to Benefit students.

Applicants must meet the following criteria:

- Provide acceptable documentation of high school graduation or the equivalent (e.g., GED® certificate).
    - Students may submit unofficial documentation (such as copies of diplomas or transcripts). Official documentation must be provided by the end of the second session of enrollment. Students who do not meet this deadline are dropped from all courses in which they are enrolled for future sessions and may not enroll until official transcripts are received.
    - Tennessee residents must provide one of the following: a copy of an official high school transcript; a GED® certificate or the equivalent; or an official transcript of a postsecondary degree. The postsecondary transcript must include the name of the high

school and the high school graduation date.

- Be at least 17 years old on the first day of classes. Documentation may be required.
- Meet the English-language-proficiency requirement, if their native language is other than English. Visit the English-Language-Proficiency Requirement section.
- Applicants to a New Jersey or New York location must present proof of immunization against certain diseases as required by state law. Applicants should contact an admissions advisor/representative for further information. For all states with the proof of immunization requirement: In the event of an outbreak of disease against which immunization is required, no exemption or exception from immunization shall be recognized and exempted persons may be subject to exclusion from school and quarantine.
- Meet one of the following criteria (A, B or C):

A. Submit the minimum standardized testing score in both math and English:

Subject	Test	Minimum Score
Math	SAT Math	500
	ACT Math	17
English	SAT Reading	25
	ACT English	17

B. Present one of the following prior educational experiences:

- Transcript demonstrating completion of a qualifying associate degree or higher from a DeVry-recognized postsecondary institution
- Transcript(s) demonstrating completion of at least 12 semester-credit hours of qualifying college-level work at a DeVry-recognized postsecondary institution(s), with grades of at least C (70 percent) or a cumulative grade point average of at least 2.00
- An official score report from the Armed Forces Qualification Test (AFQT) with a score of at least 60 on their Armed Services Vocational Aptitude Battery (ASVAB) *(Applies to active-duty military, National Guard and Reserve U.S. military personnel only. Applicants must complete placement testing to determine initial course placement.)*

C. Achieve the following minimum scores on DeVry-administered tests:

Subject Area	Test	Minimum Score
Math	Arithmetic	92
	Algebra	50
English	Writing	02
	Reading	75

English-Language-Proficiency Admission Requirement

All instruction and services are provided in English.

Applicants must provide documentation of English-language proficiency by submitting one of the following:

- U.S. high school diploma (education completed in English)
- GED certificate (education completed in English)

- Equivalent of a high school diploma as awarded by the state (education completed in English)
- Documents verifying at least two years' service in the U.S. military
- Documents demonstrating successful completion of a DeVry-recognized intermediate-level English as a Second Language (ESL) course
- Postsecondary transcript verifying completion of 12 semester-credit hours of baccalaureate-level courses (excluding remedial or developmental courses) with at least a C (70 percent) average from an institution in which the language of instruction was English; students may demonstrate that the language of instruction was English by submitting a letter from the school's registrar
- Postsecondary transcript verifying completion of the equivalent of DeVry's freshman English composition course, with a grade of B (80 percent) or higher, from a DeVry-recognized postsecondary institution or community college
- Postsecondary transcript verifying completion of two or more baccalaureate-level English writing or composition courses with grades of B (80 percent) or higher, from a DeVry-recognized postsecondary institution or community college
- An official letter from the secondary or postsecondary institution attended indicating the language of instruction was English
- An approved international credentials evaluation report indicating the language of instruction of the institution attended, and/or the program completed, was English
- Successful completion of a DeVry-approved SEVP-certified external English language program. **Note**: For applicants requiring an I-20, DeVry cannot issue a pending letter of acceptance until the applicant has been accepted into a SEVP-certified language school. Also, DeVry cannot issue an I-20 until the applicant has successfully completed the IEP or English language program and DeVry receives documentation indicating completion.
- Acceptable test scores from one of the following:

Test Name TOEFL, IELTS, iTEP and PTE scores are valid for 2 years only.	**Undergraduate Score**	
TOEFL (Test of English as a Foreign Language) paper based	≥500	
TOEFL computer based	≥190	
TOEFL internet based	≥61	
IELTS (International English Language Testing System) overall band score	≥6.0	
iTEP (International Test of English Proficiency) Academic-Plus	≥4.0	
PTE (Pearson Test of English) Academic	≥58	
Tests aligned to the Common European Framework of Reference for Languages (CEFR), such as: • Oxford Tutorial College Certificate (Oxford TCC) • Skills for English	≥B2	
McCann ELL Tests International applicants requiring an I-20 may not take DeVry-administered McCann ELL Tests	ELL Grammar	≥12
	ELL Reading	≥12
	ELL Listening	≥12

Special Admission Requirements

In addition to meeting all regular admission requirements, certain applicants must also meet additional requirements outlined below.

Opportunities for High School Students
DeVry University's Advantage Academy, Passport2College and Start Now early admission opportunities provide qualifying high school students, and/or recent high school graduates, the opportunity to begin their college education sooner.
Students may be enrolled in both high school and DeVry University when participating in these programs.

DeVry University's Advantage Academy
DeVry's Advantage Academy enables qualifying students at Chicago Public Schools to take college courses in the University's associate degree programs in Business and in Information Technology & Networking with a track in Network Systems Administration while earning their high school diploma.

DeVry's Advantage Academy also enables students attending high schools in school districts partnered with DeVry's Decatur, Georgia location to take college courses and earn an undergraduate certificate in Programming Essentials while earning their high school diploma.

To learn more about admission requirements, contact:

DeVry University Chicago Location
1900 W. Lawrence Ave.
Chicago, IL 60640
773.929.8500

DeVry University Decatur Location
One West Court Square, Ste. 600
Decatur, GA 30030
404.270.2706

Passport2College™
Passport2College offers college-level classes to qualified high school juniors and seniors who wish to earn college credit at no tuition cost while still attending high school. This program is designed to help students become better prepared for the demands of college and supports smooth transition from high school to the college environment. Contact a DeVry admissions advisor/representative for details.

Start Now
Qualified applicants who have been accepted to DeVry and are in their senior year of high school or are recent high school graduates may apply to Start Now to begin their DeVry program early as non-matriculating students. Start Now students may enroll in a maximum of two courses at no tuition cost, no student services charge and no learning management system access fee. Contact a DeVry admissions advisor/representative for more details.

Home-Schooled Applicant Requirements
Home-schooled applicants must provide one of the following:

- Home school portfolio and letter from provider affirming achievement through high school as required by state of residence and include a brief school profile description indicating the school's location and contact information
- Transcript from state-approved home school organization
- Home school transcript from a state-approved organization, an acceptable home school portfolio, or home school documentation based on published state equivalents

Opportunity for College Students – Bridge2Bachelor's
To help prospective students determine if they are a match for DeVry University's academic environment, DeVry offers its Bridge2Bachelor's program, which provides one complimentary college-level course at DeVry University to qualified students enrolled in an associate degree program at a qualifying institution.

To be eligible for the program, students at DeVry-recognized community or two-year colleges, or at similar institutions, must:

- Have applied, and been admitted, to DeVry University as nonmatriculated students while attending such institutions.
- Enroll in the complimentary course no later than one semester (two consecutive sessions) past their graduation date from such institutions.

The application fee is waived for these individuals. Contact a DeVry admissions advisor/representative for more details.

International Applicants
In addition to meeting all regular admission requirements, international applicants who require an I-20 from DeVry and were not recruited by a DeVry University-recognized agent must provide official proof of graduation prior to receiving an admission decision. This deadline for these applicants cannot be extended.

The University provides support for foreign students needing F-1 Visas by issuing the I-20, if requirements are met, and sponsoring students while they are attending their specific academic program for the duration of their F-1 Visa. International applicants are responsible for applying for their visa and for all associated fees to be paid by the student directly to the Student Exchange and Visitor Program (SEVP).

Applicants who have completed schooling outside of the United States must have their credentials evaluated by DeVry or an approved credentials evaluation agency, if DeVry evaluators are unable to evaluate the documents. Additionally, documents must be translated into English by a certified translator, which may require review by an approved educational credentials evaluation agency at the applicant's expense.

DeVry may require an applicant's foreign credentials to be evaluated by a specific agency. If it is determined that an additional evaluation is required, DeVry will pay for the expense.

International applicants recruited by recognized agents must provide certified copies of acceptable

documents demonstrating the required level of prior education before the end of the second session of enrollment.

Non-matriculated Applicant Requirements
Applicants who wish to enroll without seeking a degree are considered non-matriculated students. These applicants must submit an application and complete a non-matriculated student enrollment agreement. They must also meet all other admission requirements, but are exempt from placement testing if they have been evaluated as adequate by an appropriate academic administrator as meeting admissions requirements based on prior experience. Matriculating students who failed to meet DeVry's standards of academic progress may not enroll as nonmatriculated students. Enrollment with non-matriculated status is limited to course attempts totaling 24 semester-credit hours. Non-matriculated students are not eligible for Dean's List recognition, career services, housing assistance, part-time-employment assistance, federal or state financial aid, or veterans' education benefits.

Post Admission Application
Once the application is submitted, applicants are notified of their admission acceptance or denial in writing. DeVry reserves the right to deny admission to any applicant and to change entrance requirements without prior notice. The University reserves the right to refuse admission or readmission to any applicant or student when it is deemed in the best interest of the University to do so or if the University determines the applicant may not be able to benefit from the University's instruction. Students wishing to be readmitted into the University may be required to submit an appeal or documentation. Admission to the University does not constitute automatic continuation in future semesters. The University reserves the right to refuse admission or continuation to any student.

Readmission
Students who were not enrolled within the previous six DeVry University sessions (visit the Academic Calendar section) must apply for readmission. If these students were academically dismissed, they must follow procedures appropriate to those conditions in addition to following standard readmission procedures. Students should reapply at least six weeks prior to the intended class start date.

A person seeking readmission must:

- Complete and submit an application for admission. The application fee is waived for these individuals.
- Complete an interview with an admissions advisor/representative.
- Meet all admission requirements in effect at the time of readmission.

Additionally, students should be aware of the following:

Course Placement

- **Foundations Coursework:** Applicants who do not qualify for admission may be offered focused foundational coursework to strengthen required skills. Successful completion of this coursework provides an additional opportunity to qualify for admission. There is no tuition charge for this coursework. Foundations courses are unlikely to transfer to other institutions. Applicants unable to participate in foundations coursework may consult with Registrar Services regarding approval for external alternative coursework.

- **Transitional Studies Coursework:** Transitional studies coursework provides individualized intensive support and skill development for students who require additional instruction in composition and/or beginning algebra. Students requiring transitional studies coursework must begin this coursework no later than their second session of enrollment and must continue to enroll in at least one transitional studies course each session of attendance until all such requirements have been satisfied. Transitional studies courses may affect program length and cost and are unlikely to transfer to other institutions. In selected courses, additional focused diagnostic testing may occur at the beginning of the course. This may result in the student being required to enroll in coursework at the immediately prior proficiency level or receiving permission to enroll at the next higher level. Note: Students requiring transitional studies coursework may not be able to select a minimum-time-to-complete schedule until all transitional studies course requirements have been fulfilled, which would increase program completion time. Such students should work with a student support advisor to determine an appropriate schedule.
- **Program Coursework:** Applicants whose demonstrated proficiency in college-level skills indicates they are prepared to enroll directly into their program’s standard coursework without any preceding transitional studies coursework are referred to as placing at the standard level.

Programs

College of Business & Management

Accounting Bachelor’s Degree Program

Program Description

DeVry’s bachelor’s degree program in Accounting is designed to prepare students for a variety of career paths including private-sector, governmental and not-for-profit accounting. The program includes coursework that provides a solid academic foundation in problem-solving, accounting research and communication skills important in the diverse field of accounting and the broader business world. The program is also designed to prepare students for graduate study in accounting or business.

Programmatic Accreditation / Recognition

This program is accredited by the **Accreditation Council for Business Schools and Programs,** demonstrating it has met standards of business education that promote teaching excellence.

More information is available in the Accreditation and Authorization section.

Program Alignment

Developing Tomorrow’s Accounting Professionals

This program addresses the need for accounting professionals in diverse organizations and settings, including accounting firms, small businesses and corporate accounting departments. The curriculum helps students develop skills required in financial accounting, auditing, taxation and managerial accounting. Students also gain experience with business analytics and with technologies used throughout the profession, including accounting information systems.

Career development strategies are integrated throughout the program, and coursework in the curriculum addresses emerging topics in the profession, including artificial intelligence. Students also have the opportunity to participate in industry-centered activities and organizations.

Program Educational Objectives

The program is designed to produce graduates who are able to:
1. Generate, analyze and interpret financial statements and supporting information.
2. Analyze and evaluate transactions and processes, evaluate risk, and recommend internal controls for operational efficiencies, integrity and compliance.
3. Evaluate costing systems, and prepare and monitor budgets to support managerial decision-making.
4. Organize, analyze, and communicate accounting information to support business decision making.
5. Demonstrate and execute the standards of professional ethics and integrity as they apply to a variety of accounting and business scenarios.
6. Demonstrate the ability to work and communicate effectively in collaborative environments.
7. Cultivate and apply problem-solving and decision-making skills that support lifelong personal and professional development.

Credential

Bachelor of Science in Accounting

Minimum Credit Hours Required for Completion

120

Time to Complete (Assumes student remains on selected schedule)

o **Normal time to complete:** 4 years, assuming enrollment in 2 semesters per 12-month period

o **Minimum time to complete:** 2 years, 8 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

8 full time, assuming enrollment in 14-16 credit hours per semester; enrollment in additional credit hours may be needed in some semesters

Graduation Requirements

Complete all of the following

Communication Skills - 13 credit hours required
- ENGL108 Composition with Lab (3)
- ENGL136 Advanced Composition (3)
- ENGL216 Technical Writing (4)
- SPCH275 Public Speaking (3)

Humanities - 12 credit hours required
- ETHC445 Principles of Ethics (3)
- HIST405 United States History (3)
- HUMN303 Introduction to the Humanities (3)
- LAS432 Technology, Society, and Culture (3)

Social Sciences - 9 credit hours required
- ECON312 Principles of Economics (3)
- SOCS185 Culture and Society (3)

- SOCS325 Environmental Sociology (3)

Mathematics and Natural Sciences - 9 credit hours required

- MATH116 Algebra for College Students (3)
- MATH226 Statistics for Decision-Making (3)
- SCI226 Nutrition, Health and Wellness with Lab (3)

Personal and Professional Development - 5 credit hours required

- CARD405 Career Development (2)
- COLL148 Critical Thinking and Problem-Solving (3)

Business Core - 18 credit hours required

- ACCT212 Financial Accounting (4)
- BIS155 Data Analysis with Spreadsheets with Lab (3)
- BUSN115 Introduction to Business and Technology (3)
- BUSN319 Marketing (3)
- COMP121 Computer Applications with AI for Business (2)
- MGMT303 Principles of Management (3)

Finance and Management - 6 credit hours required

- BUSN311 Business Applications of AI (3)
- BUSN379 Finance (3)

Accounting Core - 39 credit hours required

Complete all of the following

- ACCT303 Intermediate Accounting I (3)
- ACCT306 Intermediate Accounting II (3)
- ACCT313 Intermediate Accounting III (3)
- ACCT326 Federal Tax Accounting I (3)
- ACCT360 Managerial Accounting (3)
- ACCT439 Professional Ethics for Accountants (3)
- ACCT440 Accounting Research (3)
- ACCT446 Auditing (3)
- ACCT336 AI and Analytics for Accountants (3)
- ACCT456 Accounting Information Systems with AI (3)

Complete 3 of the following:

- ACCT370 Internal Audit (3)
- ACCT373 Internal Audit Practitioner Exam Preparation (3)
- ACCT406 Advanced Accounting (3)
- ACCT426 Federal Tax Accounting II (3)
- ACCT436 Advanced Cost Management (3)

Accounting Senior Project - 3 credit hours required

- ACCT461 Accounting Senior Project (3)

Electives - 6 credit hours required

Electives may be chosen from courses listed in the Courses section provided they are not used to meet other graduation requirements and prerequisites are met. The following suggested electives ensure students meet prerequisites and offer applied tech skills for today’s business world. Qualifying prior college coursework not meeting other program requirements may also be applied toward elective hours.

- BUSN355 AI and Strategic Decision-Making (3)
- LEAD430 Consulting and Problem-Solving (3)

Program Notes

Students who successfully complete certain courses are eligible to earn a digital badge for the course. Visit the Skills Coursework and Badges section.

Most state boards of accountancy require 150 credit hours of postsecondary education in order to sit for the CPA exam. As this program is less than 150 credit hours, this program alone does not meet minimum coursework requirements to sit for the CPA exam. Students interested in sitting for the CPA exam should check their state's requirements.

Credits and degrees earned from DeVry do not automatically qualify the holder to participate in professional licensing exams required to practice certain professions. Persons interested in practicing a regulated profession must contact the appropriate state regulatory agency for their field of interest. DeVry is not able to recommend graduates for professional licensure in any state. New York students should contact the NYSED Office of Professions regarding professional licensure.

Employment Positions

Employment positions determined to be in field for graduates of the Bachelor of Science in Accounting degree program include Accountants and Auditors (13-2011.00), Budget Analysts (13-2031.00), Credit Analysts (13-2041.00), Financial Examiners (13-2061.00), Tax Examiners and Collectors, and Revenue Agents (13-2081.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the bachelor's degree program in Accounting web page.

Accounting Certificate Program

Program Description

DeVry's Accounting undergraduate certificate program is designed to prepare students for entry-level accounting career paths in private-sector, governmental and not-for-profit accounting. Coursework introduces essential principles and skills required for entry-level accounting positions.

Programmatic Accreditation / Recognition

This program is accredited by the **Accreditation Council for Business Schools and Programs**, demonstrating it has met standards of business education that promote teaching excellence.

More information is available in the Accreditation and Authorization section.

Program Alignment

BUSINESS CORE – Essential Skills for Today's Workplace

This program features a series of essential Business Core courses to help build interdisciplinary skills critical to workplace success. Courses introduce students to key disciplines that support business careers and cover concepts related to general business principles, including accounting, computer applications and analytics that inform business decision-making.

Business Core coursework also introduces students to contemporary workplace applications. In each course, the learning experience is enhanced through activities that help students apply course material, while shaping future education and career choices.

Program Educational Objectives

The program is designed to produce graduates who are able to:
1. Create financial statements and reports through proper analysis and recording of accounting data.
2. Use appropriate technologies to assist in preparing and analyzing accounting information.
3. Communicate accounting results and findings across business environments.
4. Apply problem-solving skills to a variety of accounting-related tasks in the workplace.

Credential

Undergraduate Certificate in Accounting

Minimum Credit Hours Required for Completion

24

Time to Complete (Assumes student remains on selected schedule)

- **Normal time to complete:** 8 months, assuming enrollment in 2 semesters per 12-month period
- **Minimum time to complete:** 8 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

2 full time, assuming enrollment in 12 credit hours per semester

Graduation Requirements

Complete all of the following

Business Core - 9 credit hours required

- ACCT212 Financial Accounting (4)
- BIS155 Data Analysis with Spreadsheets with Lab (3)
- COMP121 Computer Applications with AI for Business (2)

Accounting Core - 15 credit hours required

- ACCT303 Intermediate Accounting I (3)
- ACCT306 Intermediate Accounting II (3)
- ACCT326 Federal Tax Accounting I (3)
- ACCT360 Managerial Accounting (3)
- ACCT456 Accounting Information Systems with AI (3)

Employment Positions

Employment positions determined to be in field for graduates of the Undergraduate Certificate program in Accounting include Bookkeeping, Accounting, and Auditing Clerks (43-3031.00), Accountants (13-2011.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the Accounting undergraduate certificate program web page.

Aspiring Management Pathway Certificate Program

Program Description

DeVry's Aspiring Management Pathway (AMP) undergraduate certificate program is designed to equip students with relevant knowledge and skills in team management, effective communication and strategic decision-making. Coursework is designed to help students develop practical and industry-related insights and apply them to real-world scenarios. Building leadership, project management and operations skills to enhance operational efficiency are emphasized.

Programmatic Accreditation / Recognition

This program is accredited by the Accreditation Council for Business Schools and Programs, demonstrating it has met standards of business education that promote teaching excellence.

More information is available in the Accreditation and Authorization section.

Program Educational Objectives

The program is designed to produce graduates who are able to:
1. Exhibit essential management competencies such as team leadership, effective communication, conflict resolution and decision-making.
2. Apply practical tools and strategies to managing people, processes and projects.
3. Demonstrate readiness to lead teams, resolve conflicts and contribute to facilitating a positive organizational culture.

Credential

Undergraduate Certificate in Aspiring Management Pathway

Minimum Credit Hours Required for Completion

11

Time to Complete (Assumes student remains on selected schedule)

o **Normal time to complete:** 4 months, assuming enrollment in 1 semester per 12-month period

o **Minimum time to complete:** 4 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

1, assuming enrollment in 11 credit hours per semester

Graduation Requirements

Management - 11 credit hours required
Complete all of the following

- MGMT303 Principles of Management (3)

Complete 2 of the following:

- GSCM206 Managing Operations Across the Supply Chain (4)
- LEAD335 Cross-Cultural Leadership (4)
- MGMT404 Project Management (4)
- MGMT410 Human Resource Management (4)
- BUSN210 Fundamentals of Artificial Intelligence in Business (4)

Programmatic Admission Requirements

Those who wish to be admitted to this program must hold a DeVry-recognized associate degree or higher.

Program-Specific Policies

Students enrolling in the AMP program are expected to have knowledge of content in introductory business and technology courses, including BUSN115. Students may not self-register for courses requiring this course as a prerequisite; a student support advisor registers students for such courses.

Program Notes

Students who complete this undergraduate certificate program can apply eligible coursework to certain DeVry degree programs. Restrictions may apply. More information is available in the Stackable Programs section.

Employment Positions

Employment positions determined to be in field for graduates of the Undergraduate Certificate program in Aspiring Management Pathway include First Line Supervisor of Office Administrative Support Workers (43-1011.00). This position is used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional program information, visit theAspiring Management Pathway undergraduate certificate program web page.

Business Administration Bachelor's Degree Program

Program Description

DeVry's Business Administration program is designed to help students develop competency in applying technology to business strategy, management and decision-making through case studies, team projects, Internet use, web page development, computer applications and systems integration. The program offers majors (concentrations in Illinois and New York) as shown in the following program outline. Students who have not chosen an area of specialization may begin the program in "Undeclared" status; however, they must select a major/concentration (specialization) by the time they have earned 30 semester-credit hours toward their degree.

Programmatic Accreditation / Recognition

This program is accredited by the Accreditation Council for Business Schools and Programs, demonstrating it has met standards of business education that promote teaching excellence.

This program, when completed with a Project Management major/concentration, is accredited by the Global Accreditation Center for Project Management Education Programs (GAC) of the Project Management Institute.

The Society for Human Resource Management (SHRM) has acknowledged that this program, with a Human Resource Management major/concentration, aligns with SHRM's *HR Curriculum Guidebook and Templates*.

More information is available in the Accreditation and Authorization section.

Program Alignment

Cultivating Collaborative Team Contributors

This program helps students develop skills essential to launching or advancing in a business career, emphasizing planning and communication capabilities required to navigate in a complex workplace environment. The curriculum, designed for students seeking a broad-based education, integrates both an interdisciplinary foundation and a business core, as it prepares students to pursue a specialization that fits their personal and professional goals.

Career development strategies are integrated throughout the program, and coursework is complemented by contemporary workplace technologies to enhance the learning experience. Students are also introduced to professional associations and industry resources, and have the opportunity to participate in activities to further guide their career journey.

Program Educational Objectives

The program is designed to produce graduates who are able to:
1. Develop the ability to effectively convey information to a variety of business audiences using oral, written, and technological platforms.
2. Apply leadership and conflict management techniques to effectively manage and collaborate within cross-cultural business environments in physical and virtual settings.
3. Develop and maintain the analytical and managerial skills required to address business problems, manage risk, and create new business opportunities in collaborative and dynamic organizations.
4. Evaluate and conduct activities that influence organizational values, ethics, and professional responsibility.
5. Apply comprehensive research using appropriate technologies to solve business problems in the global workforce.
6. Utilize industry-appropriate tools and techniques to identify problems, evaluate solutions, and make decisions that affect daily business operations and long-term strategies across varying organizational structures.

Credential

Bachelor of Science in Business Administration

State-Specific Credential

In New York, Bachelor of Professional Studies in Business Administration; in Ohio, Bachelor of Business Administration

Minimum Credit Hours Required for Completion

120

Time to Complete (Assumes student remains on selected schedule)

- **Normal time to complete:** 4 years, assuming enrollment in 2 semesters per 12-month period
- **Minimum time to complete:** 2 years, 8 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

8 full time, assuming enrollment in 12-19 credit hours per semester; enrollment in additional credit hours may be needed in some semesters

Graduation Requirements

Complete all of the following

Communication Skills - 12 credit hours required

- ENGL108 Composition with Lab (3)
- ENGL136 Advanced Composition (3)
- ENGL206 Technical Communication (3)
- SPCH275 Public Speaking (3)

Humanities - 9 credit hours required

- ETHC445 Principles of Ethics (3)
- HUMN303 Introduction to the Humanities (3)
- LAS432 Technology, Society, and Culture (3)

Social Sciences - 9 credit hours required
Complete all of the following

- PSYC305 Motivation and Leadership (3)
- SOCS185 Culture and Society (3)

Complete 1 of the following:

- LAWS310 The Legal Environment (3)
- SOCS325 Environmental Sociology (3)

Mathematics and Natural Sciences - 9 credit hours required
Complete all of the following

- MATH116 Algebra for College Students (3)
- SCI226 Nutrition, Health and Wellness with Lab (3)

Complete 1 of the following:

- MATH201 Quantitative Reasoning (3)
- MATH226 Statistics for Decision-Making (3)

Personal and Professional Development - 5 credit hours required

- CARD405 Career Development (2)
- COLL148 Critical Thinking and Problem-Solving (3)

Business Core - 21 credit hours required
Complete all of the following

- BIAM112 Introduction to AI and Business Analytics (3)
- BIS155 Data Analysis with Spreadsheets with Lab (3)
- BUSN115 Introduction to Business and Technology (3)
- BUSN319 Marketing (3)
- COMP121 Computer Applications with AI for Business (2)
- MGMT303 Principles of Management (3)

Complete 1 of the following:

- ACCT207 Fundamentals of Accounting (4)
- ACCT212 Financial Accounting (4)

Planning and Communication - 13 credit hours required
Complete all of the following

- BUSN315 Contemporary Business (3)
- BUSN379 Finance (3)
- ECON312 Principles of Economics (3)

Complete 1 of the following:

- MGMT404 Project Management (4)
- PROJ404 Project Management for the Profession (4)

Senior Project - 3 credit hours required

- BUSN460 Senior Project (3)

Electives - 19 credit hours required
Complete all of the following

Electives may be chosen from courses listed in the Courses section provided they are not used to meet other graduation requirements and prerequisites are met. Qualifying prior college coursework not meeting other program requirements may be applied toward elective hours. To satisfy the Electives course area requirement, students who meet eligibility requirements may take the following graduate-level courses offered by the University’s Keller Graduate School of Management. Eligibility requirements are outlined in the Course-Related Requirements section. Credits earned for each course also satisfy credit-hour requirements within certain Keller master’s degree and graduate certificate programs. Additional information is available from student support advisors and in the Keller Graduate School of Management academic catalog.

- HRM587G Managing Organizational Change (3)
- LEAD570G Leadership in the Age of AI (3)
- MIS541G Innovation Through Technology and AI (3)
- MIS548G AI Applications for Business (3)

Major/Concentration - Select 1 option - Required credit hours vary by major/concentration
Visit the Specializations section below for options and associated credit hour and course requirements.

Program Notes

Students who successfully complete certain courses are eligible to earn a digital badge for the course. Visit the Skills Coursework and Badges section.

There may be a slight difference between minimum credit hours required for graduation and total credit hours required if all courses are taken at DeVry. Credit hour differences may benefit students with qualifying transfer credit. Credit hours beyond the minimum may affect program length and cost. Students should contact a student support advisor for more information.

Students who wish to complete the internship course sequence (INTP491 and INTP492) must request approval from the appropriate academic administrator to take these courses in lieu of one of the major/concentration courses.

Most state boards of accountancy require 150 credit hours of postsecondary education in order to sit for the CPA exam. As this program is less than 150 credit hours, this program alone does not meet minimum credit hour requirements to sit for the CPA exam. Students interested in sitting for the CPA exam should check their state’s requirements.

Credits and degrees earned from DeVry do not automatically qualify the holder to participate in professional licensing exams required to practice certain professions. Persons interested in practicing a regulated profession must contact the appropriate state regulatory agency for their field of interest.

Employment Positions

Employment positions determined to be in field for graduates of the Bachelor of Science in Business Administration (in New York, Bachelor of Professional Studies in Business Administration; in Ohio, Bachelor of Business Administration) degree program include General and Operations Managers (11-1021.00), Sales Managers (11-2022.00), Administrative Services Managers (11-3012.00), Industrial Production Managers (11-3051.00), Transportation, Storage, and Distribution Managers (11-3071.00), Construction Managers (11-9021.00), Social and Community Service Managers (11-9151.00), Managers, All Other (11-9199.00), Cost Estimators (13-1051.00), Management Analysts (13-1111.00), Financial Analysts (13-2051.00), Regulatory Affairs Managers (11-9199.01), Compliance Managers (11-9199.02), Supply Chain Managers (11-9199.04), Loss Prevention Managers (11-9199.08). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the bachelor’s degree program inBusiness Administration web page.

Business Administration Bachelor’s Degree Program - Accounting

Graduation Requirements

Accounting - 21 credit hours required
Complete all of the following

- ACCT303 Intermediate Accounting I (3)
- ACCT306 Intermediate Accounting II (3)
- ACCT313 Intermediate Accounting III (3)
- ACCT326 Federal Tax Accounting I (3)
- ACCT360 Managerial Accounting (3)

Complete 2 of the following:

- ACCT336 AI and Analytics for Accountants (3)
- ACCT370 Internal Audit (3)
- ACCT373 Internal Audit Practitioner Exam Preparation (3)
- ACCT406 Advanced Accounting (3)
- ACCT426 Federal Tax Accounting II (3)
- ACCT436 Advanced Cost Management (3)
- ACCT446 Auditing (3)
- ACCT456 Accounting Information Systems with AI (3)

Notes

Students selecting the Accounting major/concentration must take ACCT212 within the Business Core course area.

Texas: Students selecting the Accounting major/concentration who are interested in sitting for the CPA exam in Texas complete ACCT436 within the Accounting major/concentration and must complete ACCT440 and MGMT330 as elective course options. Successful completion of topics presented in these courses is required to sit for the CPA exam in Texas. Additional requirements also apply to students wishing to sit for the CPA exam; students should check with the Texas Board of Public Accountancy for details.

Business Administration Bachelor’s Degree Program - AI and Business Analytics

Graduation Requirements

AI and Business Analytics - 21 credit hours required
Complete all of the following

- BIAM305 Managerial and Ethical Applications of AI and Analytics (3)
- BIAM320 Analytics in the Business Environment (3)
- BIAM410 Database Concepts in Business Intelligence (4)
- BIAM430 Visualization and Predictive Analytics (4)
- BUSN340 Introduction to Risk Analysis (4)

Complete 1 of the following:

- BIAM425 Digital Performance Metrics (3)
- BUSN355 AI and Strategic Decision-Making (3)
- LEAD430 Consulting and Problem-Solving (3)

Notes

Students selecting the AI and Business Analytics major/concentration must take MATH226 within the Mathematics and Natural Sciences course area.

Business Administration Bachelor’s Degree Program - AI and Innovation

Graduation Requirements

AI and Innovation - 20 credit hours required

- BUSN210 Fundamentals of Artificial Intelligence in Business (4)
- BUSN260 AI and Customer Engagement (4)
- BUSN311 Business Applications of AI (3)
- BUSN355 AI and Strategic Decision-Making (3)
- MGMT355 Operations Management (3)
- MKTG330 Innovation and Product Management (3)

Business Administration Bachelor’s Degree Program - AI-Driven Marketing

Graduation Requirements

AI-Driven Marketing - 21 credit hours required
Complete all of the following

- BUSN210 Fundamentals of Artificial Intelligence in Business (4)
- BUSN311 Business Applications of AI (3)
- MKTG330 Innovation and Product Management (3)
- MKTG340 Digital Marketing Fundamentals (3)
- MKTG435 Marketing Research and Analytics (4)

Complete 1 of the following:

- MKTG310 Consumer Behavior (4)
- MKTG425 Personal Selling and Sales Management (4)
- MKTG430 International Marketing (4)
- MKTG445 Brand Management (4)
- MKTG455 Current Topics in Marketing (4)

Business Administration Bachelor’s Degree Program - Construction Management

Graduation Requirements

Construction Management - 20 credit hours required

- MGMT320 Construction Management (4)
- MGMT325 Construction Methods and Materials (4)
- MGMT421 Construction Planning and Scheduling (4)
- MGMT426 Construction Budgeting and Estimation (4)
- PROJ440 Construction Project Management (4)

Notes

Students selecting the Construction Management major/concentration must take PROJ404 within the Planning and Communication course area.

Business Administration Bachelor’s Degree Program - Finance

Graduation Requirements

Finance - 21 credit hours required

- ACCT303 Intermediate Accounting I (3)
- ACCT326 Federal Tax Accounting I (3)
- ACCT426 Federal Tax Accounting II (3)
- FIN351 Investment Fundamentals and Security Analysis (4)
- FIN364 Money and Banking (4)
- FIN382 Financial Statement Analysis (4)

Notes

Students selecting the Finance major/concentration must take ACCT212 within the Business Core course area.

Business Administration Bachelor’s Degree Program - Health Services Management

Graduation Requirements

Health Services Management - 21 credit hours required

- HCA310 Health Systems and Interoperability (3)
- HCA312 Healthcare Compliance and Policy (3)
- HCA380 AI Applications for Healthcare (3)
- HCA415 Healthcare Law and Ethics (3)
- HCA440 Digital Health and Innovation (3)
- HCA445 Healthcare Leadership for a Digital Age (3)
- HCA450 Managed Care and Community Health (3)

Business Administration Bachelor’s Degree Program - Hospitality Management

Graduation Requirements

Hospitality Management - 20 credit hours required
Complete all of the following

- HOSP310 Introduction to Hospitality Management (4)
- HOSP320 Foundations of Hotel Management (4)
- HOSP330 Meetings and Events Management (4)
- HOSP410 Restaurant Management (4)

Complete 1 of the following:

- HOSP420 Food Safety and Sanitation (4)
- HOSP440 Casino Management (4)
- HOSP450 Tourism Management (4)

Business Administration Bachelor’s Degree Program - Human Resource Management

Graduation Requirements

Human Resource Management - 20 credit hours required
Complete all of the following

- HRM320 Employment Law (4)
- HRM341 HR Information Systems and AI Applications (4)
- HRM410 Strategic Staffing (4)
- HRM420 Training and Development (4)

Complete 1 of the following:

- BUSN412 Business Policy (4)
- HRM330 Labor Relations (4)
- HRM430 Compensation and Benefits (4)

Notes

Students selecting the Human Resource Management major/concentration must take MGMT410 within the Elective course area.

Programmatic Accreditation / Recognition

The Society for Human Resource Management (SHRM) has acknowledged that this program, with a Human Resource Management major/concentration, aligns with SHRM’s *HR Curriculum Guidebook and Templates*.

Business Administration Bachelor’s Degree Program - Project Management

Graduation Requirements

Project Management - 20 credit hours required
Complete all of the following

- PROJ410 Contracts and Procurement (4)
- PROJ415 Project Quality Management (4)
- PROJ420 Project Risk Management (4)

Complete 1 of the following:

- PROJ425 Project Management Methodologies (4)
- PROJ426 AI-Driven Project Management (4)
- PROJ435 Project Management Technologies (4)
- PROJ440 Construction Project Management (4)
- PROJ445 IT Project Management (4)

Complete 1 of the following:

- PROJ431 Applied Project Management (4)
- PROJ432 Certified Associate Project Management Exam Preparation (4)

Notes

Students selecting the Project Management major/concentration must take PROJ404 within the Planning and Communication course area.

PROJ432 provides authorized content enabling students to meet education requirements for the Certified Associate in Project Management (CAPM)® certification exam. As a Premier level Authorized Training Partner (ATP) of the Project Management Institute (PMI), DeVry is authorized to offer this course; faculty teaching this course have completed specialized training and earned the ATP Instructor badge. CAPM is a registered mark of the Project Management Institute, Inc.

Programmatic Accreditation / Recognition

This program, when completed with a Project Management major/concentration, is accredited by the Global Accreditation Center for Project Management Education Programs (GAC) of the Project Management Institute.

Undergraduate Project Management Mission Statement

The mission of DeVry University's undergraduate project management degree specializations is to educate students with real-world, industry-relevant project management knowledge, tools, techniques, and emerging technological trends needed to manage successful projects in an evolving business environment.

Undergraduate Project Management Program Outcomes

- Apply a broad theoretical and technical understanding of the project management discipline, including the use of generative artificial intelligence (AI) tools, to manage projects successfully.
- Evaluate the various project management concepts and techniques used in the management of projects.
- Implement innovative project approaches to solve specialized business problems in predictable and unpredictable environments.
- Manage complex professional and technical activities creating organizational value and navigate risk in various contexts within the project management framework.
- Assess the impact of internal and external factors that may promote or hinder individual decisions and the management of people, procedures, processes, and projects.

Business Administration Bachelor's Degree Program - Small Business Management and Entrepreneurship

Graduation Requirements

Small Business Management and Entrepreneurship - 21 credit hours required

- BUSN440 Business Plan Writing (3)
- LEAD150 Leadership and Facilitating Change (3)
- MKTG330 Innovation and Product Management (3)
- SBE310 Small Business Management and Entrepreneurship (4)
- SBE420 Operational Issues in Small Business Management (4)
- SBE430 E-Commerce for Small Business (4)

Business Administration Bachelor’s Degree Program - Supply Chain Management

Graduation Requirements

Supply Chain Management - 21 credit hours required
Complete all of the following

- GSCM206 Managing Operations Across the Supply Chain (4)
- GSCM208 Supply Chain Decision Support Tools (3)
- GSCM340 Procurement and Sourcing Applications (3)
- GSCM434 Supply Chain Logistics, Distribution and Warehousing (4)
- MGMT355 Operations Management (3)

Complete 1 of the following:

- GSCM326 Total Quality Management (4)
- GSCM330 Strategic Supply and Master Planning (4)
- GSCM460 Global Issues in Supply Chain Management (4)

Business Associate Degree Program

Program Description

DeVry’s associate degree program in Business is designed to prepare graduates to join the workforce as entry-level business professionals in a wide variety of industries. Through this program, students can build a foundation in business by learning fundamental principles and gaining exposure to different specialties. The program offers tracks (Specializations) as shown below the following program outline. Students who have not chosen an area of specialization may begin the program in “Undeclared” status; however, they must select a track by the time they have earned 30 semester-credit hours toward their degree.

Programmatic Accreditation / Recognition

This program is accredited by the Accreditation Council for Business Schools and Programs, demonstrating it has met standards of business education that promote teaching excellence.

The Society for Human Resource Management (SHRM) has acknowledged that this program, with a Human Resources track, aligns with SHRM's *HR Curriculum Guidebook and Templates*.

More information is available in the Accreditation and Authorization section.

Program Alignment

BUSINESS CORE – Essential Skills for Today's Workplace

This program features a series of essential Business Core courses to help build interdisciplinary skills critical to workplace success. Courses introduce students to key disciplines that support business careers and cover concepts related to general business principles, including accounting, marketing, management and analytics that inform business decision-making.

Business Core coursework also introduces students to contemporary workplace applications. In each course, the learning experience is enhanced through activities that help students apply course material, while shaping future education and career choices.

Program Educational Objectives

The program is designed to produce graduates who are able to:
1. Use business and management principles to apply problem-solving skills to a variety of administrative tasks in the workplace.
2. Use technology for business and management tasks, including data analysis, presentations, communication and research.
3. Communicate effectively both orally and in writing across environments and platforms.
4. Evaluate the value of working in a team environment within a business in different industries, including potential challenges during collaboration and the importance of sharing information and communication to achieve a common goal.

Credential

Associate of Applied Science in Business

State-Specific Credential

In Florida, Associate of Science in Business

Minimum Credit Hours Required for Completion

61

Time to Complete (Assumes student remains on selected schedule)

- **Normal time to complete:** 2 years, assuming enrollment in 2 semesters per 12-month period
- **Minimum time to complete:** 1 year, 4 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

4 full time, assuming enrollment in 12-18 credit hours per semester; enrollment in additional credit hours may be needed in some semesters

Graduation Requirements

Complete all of the following

Communication Skills - 11 credit hours required

- ENGL112 Composition (4)
- ENGL135 Advanced Composition (4)
- SPCH275 Public Speaking (3)

Humanities - 3 credit hours required

- ETHC232 Ethical and Legal Issues in the Professions (3)

Social Sciences - 3 credit hours required

- SOCS185 Culture and Society (3)

Mathematics and Natural Sciences - 8 credit hours required

- MATH114 Algebra for College Students (4)
- SCI228 Nutrition, Health and Wellness with Lab (4)

Personal and Professional Development - 5 credit hours required

- CARD205 Career Development (2)
- COLL148 Critical Thinking and Problem-Solving (3)

Business Core - 18 credit hours required

Complete all of the following

- BIS155 Data Analysis with Spreadsheets with Lab (3)
- BUSN115 Introduction to Business and Technology (3)
- BUSN219 Marketing Fundamentals (3)
- LEAD150 Leadership and Facilitating Change (3)
- COMP121 Computer Applications with AI for Business (2)

Complete 1 of the following:

- ACCT207 Fundamentals of Accounting (4)
- ACCT212 Financial Accounting (4)

Track - Select 1 option - Required credit hours vary by track

Visit the Specializations section below for options and associated credit hour and course requirements.

Program-Specific Policies

The Healthcare Business track is not embedded in the bachelor’s degree in Technical Management with Health Information Management specialty. Students may pursue other Technical Management specializations, such as Health Services Management.

Program Notes

Students who complete this associate degree program can apply eligible coursework to certain DeVry bachelor's degree programs. Restrictions may apply. More information is available in the Stackable Programs section.

Students who successfully complete certain courses are eligible to earn a digital badge for the course. Visit the Skills Coursework and Badges section.

There may be a slight difference between minimum credit hours required for graduation and total credit hours required if all courses are taken at DeVry. Credit hour differences may benefit students with qualifying transfer credit. Credit hours beyond the minimum may affect program length and cost. Students should contact a student support advisor for more information.

Credits and degrees earned from DeVry do not automatically qualify the holder to participate in professional licensing exams required to practice certain professions. Persons interested in practicing a regulated profession must contact the appropriate state regulatory agency for their field of interest.

Employment Positions

Employment positions determined to be in field for graduates of the Associate of Applied Science in Business (in Florida, Associate of Science in Business) degree program include Sales Managers (11-2022.00), Customer Service Representatives (43-4051.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the associate degree program in Business web page.

Business Associate Degree Program - Budgeting and Forecasting

Graduation Requirements

Budgeting and Forecasting - 14 credit hours required

- ACCT303 Intermediate Accounting I (3)
- ACCT360 Managerial Accounting (3)
- BUSN278 Budgeting and Forecasting (4)
- MATH221 Statistics for Decision-Making (4)

Notes

All students selecting the Budgeting and Forecasting track must take ACCT212 as part of the Business Core course area.

Business Associate Degree Program - General Business

Graduation Requirements

General Business - 15 credit hours required
Complete all of the following

Students in the General Business Track select four courses from the College of Business & Management for which they meet prerequisites. Courses may be selected from those with prefixes ACCT, BIAM, BIS, BUSN, FIN, GSCM, HOSP, HSM, HRM, LEAD, MGMT, MKTG, PROJ and SBE. Below courses are recommended but not required:
Complete 1 of the following:

- MGMT210 Human Resource Functions (3)
- MGMT303 Principles of Management (3)
- BIAM112 Introduction to AI and Business Analytics (3)
- BUSN311 Business Applications of AI (3)

Complete 3 of the following:

- BIS310 Compliance and Security Management (4)
- BUSN278 Budgeting and Forecasting (4)
- GSCM206 Managing Operations Across the Supply Chain (4)
- LEAD335 Cross-Cultural Leadership (4)
- MATH221 Statistics for Decision-Making (4)
- BUSN210 Fundamentals of Artificial Intelligence in Business (4)

Business Associate Degree Program - Healthcare Business

Graduation Requirements

Healthcare Business - 13 credit hours required

- HIT111 Basic Medical Terminology (3)
- BUSN260 AI and Customer Engagement (4)
- HCA310 Health Systems and Interoperability (3)
- HCA312 Healthcare Policy (3)

Notes

The Healthcare Business track is not embedded in the bachelor’s degree in Technical Management with Health Information Management specialty. Students may pursue other Technical Management specializations, such as Health Services Management.

Business Associate Degree Program - Human Resources

Graduation Requirements

Human Resources - 14 credit hours required
Complete all of the following

- BUSN311 Business Applications of AI (3)
- HRM420 Training and Development (4)
- MGMT210 Human Resource Functions (3)

Students select another 4-credit-hour HRM course for which they meet prerequisites or another 4-credit-hour course with permission from the appropriate academic administrator.

Programmatic Accreditation / Recognition

The Society for Human Resource Management (SHRM) has acknowledged that this program, with a Human Resources track, aligns with SHRM's *HR Curriculum Guidebook and Templates*.

Business Associate Degree Program - Project Management

Graduation Requirements

Project Management - 15 credit hours required

- PROJ330 Human Resources and Communication in Projects (4)
- PROJ404 Project Management for the Profession (4)
- BIAM112 Introduction to AI and Business Analytics (3)

Notes

Students select another PROJ course for which they meet prerequisites or another course with permission from an academic administrator.

Business Associate Degree Program - Retail Management

Graduation Requirements

Retail Management - 13 credit hours required

- MGMT210 Human Resource Functions (3)
- MGMT230 Contemporary Retail Management (3)
- MGMT300 Customer Care and Relationship Management (3)
- BUSN260 AI and Customer Engagement (4)

Business Associate Degree Program - Sales and Customer Development

Graduation Requirements

Sales and Customer Development - 14 credit hours required

- BUSN160 Introduction to Sales and Business Development (4)
- MGMT300 Customer Care and Relationship Management (3)
- PSYC305 Motivation and Leadership (3)
- BUSN260 AI and Customer Engagement (4)

Business Essentials Certificate Program

Program Description

DeVry's Business Essentials undergraduate certificate program helps prepare students to function effectively in a modern enterprise, addressing topics such as computer applications; business technology and technological applications; analytical reasoning and problem-solving; financial accounting concepts; data analysis and decision-support; and budgeting and forecasting. Coursework helps students develop skills needed to provide applicable information to appropriate decision-makers in an organization.

Programmatic Accreditation / Recognition

This program is accredited by the **Accreditation Council for Business Schools and Programs,** demonstrating it has met standards of business education that promote teaching excellence.

More information is available in the Accreditation and Authorization section.

Program Alignment

BUSINESS CORE – Essential Skills for Today's Workplace

This program features a series of essential Business Core courses to help build interdisciplinary skills critical to workplace success. Courses introduce students to key disciplines that support business careers and cover concepts related to general business principles, including accounting, marketing, management and analytics that inform business decision-making.

Business Core coursework also introduces students to contemporary workplace applications. In each course, the learning experience is enhanced through activities that help students apply course material, while shaping future education and career choices.

Program Educational Objectives

The program is designed to produce graduates who are able to:

1. Apply business and management principles to solve business problems.
2. Demonstrate proficiency with basic computing skills and data analysis with spreadsheets.
3. Evaluate various business functions within specific industries.

Credential

Undergraduate Certificate in Business Essentials

Minimum Credit Hours Required for Completion

25

Time to Complete (Assumes student remains on selected schedule)

- **Normal time to complete:** 8 months, assuming enrollment in 2 semesters per 12-month period
- **Minimum time to complete:** 8 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

2 full time, assuming enrollment in 12-13 credit hours per semester

Graduation Requirements

Complete all of the following

Business Core - 18 credit hours required
Complete all of the following

- BIS155 Data Analysis with Spreadsheets with Lab (3)
- BUSN115 Introduction to Business and Technology (3)
- BUSN219 Marketing Fundamentals (3)
- COMP121 Computer Applications with AI for Business (2)
- LEAD150 Leadership and Facilitating Change (3)

Complete 1 of the following:

- ACCT207 Fundamentals of Accounting (4)
- ACCT212 Financial Accounting (4)

Electives – 7 credit hours required
Complete 1 of the following

Electives may be chosen from courses listed in the Courses section provided they are not used to meet other graduation requirements and prerequisites are met. Qualifying prior college coursework not meeting other program requirements may be applied toward elective hours. The following are suggested electives.
Budgeting and Forecasting – 7 credit hours required
Complete all of the following

- ACCT360 Managerial Accounting (3)
- BUSN278 Budgeting and Forecasting (4)

Students selecting the Budgeting and Forecasting option must take ACCT212 within the Business Core course area.
General Business – 7 credit hours required

- BUSN210 Fundamentals of Artificial Intelligence in Business (4)
- MGMT210 Human Resource Functions (3)

Healthcare Business – 7 credit hours required

- BUSN260 AI and Customer Engagement (4)
- HCA310 Health Systems and Interoperability (3)

Human Resources – 7 credit hours required

- HRM420 Training and Development (4)
- MGMT210 Human Resource Functions (3)

Project Management – 7 credit hours required

- BIAM112 Introduction to AI and Business Analytics (3)
- PROJ404 Project Management for the Profession (4)

Retail Management – 7 credit hours required

- BUSN260 AI and Customer Engagement (4)
- MGMT230 Contemporary Retail Management (3)

Sales and Customer Development – 7 credit hours required

- BUSN160 Introduction to Sales and Business Development (4)
- MGMT300 Customer Care and Relationship Management (3)

Program Notes

Students who complete this undergraduate certificate program can apply eligible coursework to certain DeVry degree programs. Restrictions may apply. More information is available in the Stackable Programs section.

Students who successfully complete certain courses are eligible to earn a digital badge for the course. Visit the Skills Coursework and Badges section.

Employment Positions

Employment positions determined to be in field for graduates of the Undergraduate Certificate program in Business Essentials include Administrative Services Manager (11-3012.00). This position is used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the Business Essentials undergraduate certificate program web page.

Business Management Bachelor’s Degree Program

Program Description

DeVry’s Business Management program is designed to prepare graduates to join the workforce as management professionals in a wide variety of industries through coursework that helps students develop knowledge and skills needed to adapt in a rapidly changing, dynamic and competitive global marketplace. Concentrations are offered as shown in the following program outline. Students who have not chosen an area of specialization may begin the program in “Undeclared” status; however, they must select a concentration by the time they have earned 45 semester-credit hours toward their degree.

Programmatic Accreditation / Recognition

This program is accredited by the Accreditation Council for Business Schools and Programs, demonstrating it has met standards of business education that promote teaching excellence.

This program, when completed with a Project Management concentration, is accredited by the Global Accreditation Center for Project Management Education Programs (GAC) of the Project Management Institute.

The Society for Human Resource Management (SHRM) has acknowledged that this program, with a Human Resource Management concentration, aligns with SHRM's HR Curriculum Guidebook and Templates.

More information is available in the Accreditation and Authorization section.

Program Alignment

Empowering Emerging Managers and Team Leaders

This program is designed to support students seeking to sharpen their managerial skills for a broad range of industries and organizational situations. Coursework provides a foundation of managerial principles to help students develop their leadership potential and complement their operational experience. The curriculum explores essential business topics, provides opportunities to specialize and integrates elective courses enabling students to develop skills to drive organizational change, manage projects, and achieve strategic and operational objectives.

Career development strategies are integrated throughout the program, and coursework is complemented by contemporary workplace technologies to enhance the learning experience. Students are also introduced to professional associations and industry resources, and have the opportunity to participate in activities to further guide their career journey.

Program Educational Objectives

The program is designed to produce graduates who are able to:
1. Develop the skills to effectively communicate quality information to a variety of business audiences using oral, written, and technological platforms.
2. Apply comprehensive research using appropriate technologies to solve business problems in the global workforce.
3. Apply fundamental management theories and resource management techniques to influence organizational performance to promote continuous improvement.
4. Apply leadership, resource management, and conflict management techniques to effectively manage and collaborate within cross-cultural business environments.
5. Evaluate stakeholder influence on organizational values, ethics, and professional responsibility.

Credential

Bachelor of Science in Business Management

Minimum Credit Hours Required for Completion

122

Time to Complete (Assumes student remains on selected schedule)

o **Normal time to complete:** 4 years, assuming enrollment in 2 semesters per 12-month period

o **Minimum time to complete:** 2 years, 8 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

8 full time, assuming enrollment in 12-19 credit hours per semester; enrollment in additional credit hours may be needed in some semesters

Graduation Requirements

Complete all of the following

Communication Skills - 11 credit hours required
- ENGL112 Composition (4)
- ENGL135 Advanced Composition (4)
- SPCH275 Public Speaking (3)

Humanities - 6 credit hours required
- ETHC445 Principles of Ethics (3)
- LAS432 Technology, Society, and Culture (3)

Social Sciences - 6 credit hours required
- ECON312 Principles of Economics (3)
- SOCS185 Culture and Society (3)

Mathematics and Natural Sciences - 12 credit hours required
Complete all of the following

- MATH114 Algebra for College Students (4)
- SCI228 Nutrition, Health and Wellness with Lab (4)

Complete 1 of the following:
- MATH200 Quantitative Reasoning (4)
- MATH221 Statistics for Decision-Making (4)

Personal and Professional Development - 5 credit hours required
- CARD405 Career Development (2)
- COLL148 Critical Thinking and Problem-Solving (3)

Business Core - 21 credit hours required
Complete all of the following

- BIS155 Data Analysis with Spreadsheets with Lab (3)
- BUSN115 Introduction to Business and Technology (3)
- BUSN319 Marketing (3)
- MGMT303 Principles of Management (3)
- BIAM112 Introduction to AI and Business Analytics (3)
- COMP121 Computer Applications with AI for Business (2)

Complete 1 of the following:
- ACCT207 Fundamentals of Accounting (4)

- ACCT212 Financial Accounting (4)

Leadership and Operations - 23 credit hours required
Complete all of the following

- BUSN278 Budgeting and Forecasting (4)
- BUSN369 International Business (4)
- BUSN379 Finance (3)
- LEAD335 Cross-Cultural Leadership (4)
- MGMT410 Human Resource Management (4)

Complete 1 of the following:

- MGMT404 Project Management (4)
- PROJ404 Project Management for the Profession (4)

Senior Project - 3 credit hours required

- BUSN460 Senior Project (3)

Electives - 9 credit hours required
Electives may be chosen from courses listed in the Courses section provided they are not used to meet any other graduation requirements and prerequisites are met. The following suggested electives ensure students meet prerequisite requirements. Qualifying prior college coursework not meeting other program requirements may be applied toward the elective hours.

- ACCT360 Managerial Accounting (3)
- BUSN355 AI and Strategic Decision-Making (3)
- TECH112 AI in Industry (3)

To satisfy the Electives course area requirement, students who meet eligibility requirements may take the following graduate-level courses offered by the University’s Keller Graduate School of Management. Eligibility requirements are outlined in the Course-Related Requirements section. Credits earned for each course also satisfy credit-hour requirements within certain Keller master’s degree and graduate certificate programs. Additional information is available from student support advisors and in the Keller Graduate School of Management academic catalog.

- HRM587G Managing Organizational Change (3)
- LEAD570G Leadership in the Age of AI (3)
- MIS548G AI Applications for Business (3)
- MIS541G Innovation Through Technology and AI (3)

Concentration - Select 1 option - Required credit hours vary by concentration
Visit the Specializations section below for options and associated credit hour and course requirements.

State-Specific Variances

Ohio: Ohio residents enrolled as online students, and students enrolled at an Ohio location, must take an additional natural sciences course from those with designators BIOS or SCI, or TECH204, which may be applied to the Electives course area.

Program Notes

There may be a slight difference between minimum credit hours required for graduation and total credit hours required if all courses are taken at DeVry. Credit hour differences may benefit students with qualifying transfer credit. Credit hours beyond the minimum may affect program length and cost. Students should contact their student support advisor for more information.

Students should check with their advisor to determine if they are able to apply prior credits to satisfy degree requirements, especially in General Education course areas (Communication Skills, Humanities, Social Sciences, and Mathematics and Natural Sciences). A minimum of six credit hours is required in each General Education course area.

Most state boards of accountancy require 150 credit hours of postsecondary education in order to sit for the CPA exam. As this program is less than 150 credit hours, this program alone does not meet the minimum credit hour requirements to sit for the CPA exam. Students interested in sitting for the CPA exam should check their state’s requirements.

Credits and degrees earned from DeVry do not automatically qualify the holder to participate in professional licensing exams required to practice certain professions. Persons interested in practicing a regulated profession must contact the appropriate state regulatory agency for their field of interest.

Students who successfully complete certain courses are eligible to earn a digital badge for the course. Visit the Skills Coursework and Badges section.

PROJ432 provides authorized content enabling students to meet education requirements for the Certified Associate in Project Management (CAPM)® certification exam. As a Premier level Authorized Training Partner (ATP) of the Project Management Institute (PMI), DeVry is authorized to offer this course; faculty teaching this course have completed specialized training and earned the ATP Instructor badge. CAPM is a registered mark of the Project Management Institute, Inc.

Employment Positions

Employment positions determined to be in field for graduates of the Bachelor of Science in Business Management degree program include General and Operations Managers (11-1021.00), Sales Managers (11-2022.00), Administrative Services Managers (11-3012.00), Industrial Production Managers (11-3051.00), Transportation, Storage, and Distribution Managers (11-3071.00), Construction Managers (11-9021.00), Social and Community Service Managers (11-9151.00), Managers, All Other (11-9199.00), Cost Estimators (13-1051.00), Management Analysts (13-1111.00), Financial Analysts (13-2051.00), Regulatory Affairs Managers (11-9199.01), Compliance Managers (11-9199.02), Supply Chain Managers (11-9199.04), Loss Prevention Managers (11-9199.08). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the bachelor's degree program in Business Management web page.

Business Management Bachelor's Degree Program - Accounting

Graduation Requirements

Accounting - 27 credit hours required
Complete all of the following

- ACCT303 Intermediate Accounting I (3)
- ACCT306 Intermediate Accounting II (3)
- ACCT326 Federal Tax Accounting I (3)
- ACCT446 Auditing (3)
- ACCT360 Managerial Accounting (3)

Complete 4 of the following:

- ACCT313 Intermediate Accounting III (3)
- ACCT336 AI and Analytics for Accountants (3)
- ACCT370 Internal Audit (3)
- ACCT373 Internal Audit Practitioner Exam Preparation (3)
- ACCT406 Advanced Accounting (3)
- ACCT426 Federal Tax Accounting II (3)
- ACCT436 Advanced Cost Management (3)
- ACCT456 Accounting Information Systems with AI (3)

Notes

Students selecting the Accounting concentration must take ACCT212 within the Business Core course area.

Students selecting the Accounting concentration, except those interested in sitting for the CPA exam in Texas, must take ACCT360 within the Electives course area.

Students selecting the General Technical Option or a Business Administration specialty who wish to complete the internship course sequence (INTP491 and INTP492) must request approval from the appropriate academic administrator to take these courses in lieu of one of the specialty courses.

Texas: Students selecting the Accounting concentration interested in sitting for the CPA exam in Texas complete ACCT434, ACCT440 and MGMT330 as part of the Electives course area. Successful completion of topics presented in these courses is required to sit for the CPA exam in Texas. Additional requirements also apply to students wishing to sit for the CPA exam; students should check with the Texas Board of Public Accountancy for details.

Business Management Bachelor’s Degree Program - Business Analytics

Graduation Requirements

Business Analytics - 27 credit hours required

- BIAM410 Database Concepts in Business Intelligence (4)
- BIAM430 Visualization and Predictive Analytics (4)
- BIAM305 Managerial and Ethical Applications of AI and Analytics (3)
- BIAM320 Analytics in the Business Environment (3)
- BIAM425 Digital Performance Metrics (3)
- BUSN340 Introduction to Risk Analysis (4)
- BUSN355 AI and Strategic Decision-Making (3)
- LEAD430 Consulting and Problem-Solving (3)

Notes

Students selecting the Business Analytics concentration must take MATH221 as part of the Mathematics and Natural Sciences course area.

Business Management Bachelor’s Degree Program - Finance

Graduation Requirements

Finance - 28 credit hours required

- ACCT303 Intermediate Accounting I (3)
- ACCT326 Federal Tax Accounting I (3)
- ACCT426 Federal Tax Accounting II (3)
- ACCT436 Advanced Cost Management (3)
- FIN351 Investment Fundamentals and Security Analysis (4)
- FIN364 Money and Banking (4)
- FIN382 Financial Statement Analysis (4)
- FIN390 Fixed Income Securities Analysis (4)

Notes

Students selecting the Finance concentration must take ACCT212 within the Business Core course area and ACCT360 within the Electives course area.

Business Management Bachelor’s Degree Program - Global Supply Chain Management

Graduation Requirements

Global Supply Chain Management - 28 credit hours required

- GSCM206 Managing Operations Across the Supply Chain (4)
- GSCM209 Supply Chain Management Decision Support Tools and Applications (4)
- GSCM326 Total Quality Management (4)
- GSCM330 Strategic Supply and Master Planning (4)
- GSCM434 Supply Chain Logistics, Distribution and Warehousing (4)
- GSCM440 Supply Chain Procurement Management and Sourcing Strategy (4)
- GSCM460 Global Issues in Supply Chain Management (4)

Business Management Bachelor’s Degree Program - Health Services Management

Graduation Requirements

Health Services Management - 27 credit hours required

- HCA240 Fundamentals of Artificial Intelligence in Healthcare (3)
- HCA310 Health Systems and Interoperability (3)
- HCA312 Healthcare Compliance and Policy (3)
- HCA340 Health Services Finance (3)
- HCA415 Healthcare Law and Ethics (3)
- HCA435 Healthcare Analytics and Informatics (3)
- HCA440 Digital Health and Innovation (3)
- HCA445 Healthcare Leadership for a Digital Age (3)
- HCA450 Managed Care and Community Health (3)

Business Management Bachelor’s Degree Program - Hospitality Management

Graduation Requirements

Hospitality Management - 28 credit hours required

- HOSP310 Introduction to Hospitality Management (4)
- HOSP320 Foundations of Hotel Management (4)
- HOSP330 Meetings and Events Management (4)
- HOSP410 Restaurant Management (4)
- HOSP420 Food Safety and Sanitation (4)
- HOSP440 Casino Management (4)
- HOSP450 Tourism Management (4)

Business Management Bachelor’s Degree Program - Human Resource Management

Graduation Requirements

Human Resource Management - 28 credit hours required

- BUSN412 Business Policy (4)
- HRM320 Employment Law (4)
- HRM330 Labor Relations (4)
- HRM410 Strategic Staffing (4)
- HRM420 Training and Development (4)
- HRM430 Compensation and Benefits (4)
- HRM341 HR Information Systems and AI Applications (4)

Programmatic Accreditation / Recognition

The Society for Human Resource Management (SHRM) has acknowledged that this program, with a Human Resource Management concentration, aligns with SHRM’s HR Curriculum Guidebook and Templates.

Business Management Bachelor’s Degree Program - Marketing

Graduation Requirements

Marketing - 27 credit hours required
Complete all of the following

- MKTG310 Consumer Behavior (4)
- MKTG340 Digital Marketing Fundamentals (3)
- MKTG410 Advertising and Public Relations (4)
- MKTG435 Marketing Research and Analytics (4)
- MKTG445 Brand Management (4)
- MKTG455 Current Topics in Marketing (4)

Complete 1 of the following:

- BUSN210 Fundamentals of Artificial Intelligence in Business (4)
- MKTG425 Personal Selling and Sales Management (4)
- MKTG430 International Marketing (4)
- SBE330 Creativity, Innovation and New Product Development (4)

Business Management Bachelor’s Degree Program - Project Management

Graduation Requirements

Project Management - 28 credit hours required
Complete all of the following

- PROJ330 Human Resources and Communication in Projects (4)
- PROJ410 Contracts and Procurement (4)
- PROJ415 Project Quality Management (4)
- PROJ420 Project Risk Management (4)
- PROJ425 Project Management Methodologies (4)

Complete 1 of the following:

- PROJ431 Applied Project Management (4)
- PROJ432 Certified Associate Project Management Exam Preparation (4)

Complete 1 of the following:

- PROJ426 AI-Driven Project Management (4)
- PROJ435 Project Management Technologies (4)
- PROJ440 Construction Project Management (4)
- PROJ445 IT Project Management (4)

Notes

Students selecting the Project Management concentration must take PROJ404 within the Leadership and Operations course area.

Programmatic Accreditation / Recognition

This program, when completed with a Project Management concentration, is accredited by the Global Accreditation Center for Project Management Education Programs (GAC) of the Project Management Institute.

Undergraduate Project Management Mission Statement

The mission of DeVry University's undergraduate project management degree specializations is to educate students with real-world, industry-relevant project management knowledge, tools, techniques, and emerging technological trends needed to manage successful projects in an evolving business environment.

Undergraduate Project Management Program Outcomes

- Apply a broad theoretical and technical understanding of the project management discipline, including the use of generative artificial intelligence (AI) tools, to manage projects successfully.
- Evaluate the various project management concepts and techniques used in the management of projects.
- Implement innovative project approaches to solve specialized business problems in predictable and unpredictable environments.
- Manage complex professional and technical activities creating organizational value and navigate risk in various contexts within the project management framework.
- Assess the impact of internal and external factors that may promote or hinder individual decisions and the management of people, procedures, processes, and projects.

Business Management Bachelor's Degree Program - Small Business Management and Entrepreneurship

Graduation Requirements

Small Business Management and Entrepreneurship - 27 credit hours required

- BUSN258 Customer Relations (4)
- LAWS310 The Legal Environment (3)
- SBE310 Small Business Management and Entrepreneur-ship (4)
- SBE330 Creativity, Innovation and New Product Development (4)
- SBE420 Operational Issues in Small Business Management (4)
- SBE430 E-Commerce for Small Business (4)
- SBE440 Business Plan Writing for Small Businesses and Entrepreneurs (4)

Project Management Certificate Program

Program Description

DeVry's Project Management undergraduate certificate program is designed to help students gain relevant project management knowledge, skills and techniques needed to operate effectively in today's business environment. Through industry-relevant coursework, students explore concepts required to initiate, plan, execute, monitor, control and close projects.

Programmatic Accreditation / Recognition

This program is accredited by the **Accreditation Council for Business Schools and Programs**, demonstrating it has met standards of business education that promote teaching excellence.

More information is available in the Accreditation and Authorization section.

Program Alignment

Building Professional Project Management Skills

This program provides an educational pathway to learn and advance project management (PM) skills. The curriculum helps students develop essential abilities to manage complex projects and covers topics including communications, methodologies, scheduling, risk management, and project quality management. Students are introduced to the Project Management Institute's (PMI) standards and guides, exposed to relevant professional certifications, and able to choose a course with industry-specific focus such as IT or construction project management.

Career development strategies are integrated throughout the program with coursework that features contemporary PM tools and technologies. Students receive a complimentary PMI membership to enhance their learning experience and professional development. In addition, DeVry PM courses may be applied to hours required to sit for PMI certification exams and/or qualify as professional development units to maintain PM credentials.

Program Educational Objectives

The program is designed to produce graduates who are able to:
1. Apply a broad theoretical and technical understanding of the project management discipline, including the use of generative artificial intelligence (AI) tools, to manage projects successfully.
2. Evaluate the various project management concepts and techniques used in the management of projects.
3. Implement innovative project approaches to solve specialized business problems in predictable and unpredictable environments.
4. Manage complex professional and technical activities creating organizational value and navigate risk in various contexts within the project management framework.
5. Assess the impact of internal and external factors that may promote or hinder individual decisions and the management of people, procedures, processes, and projects.

Credential

Undergraduate Certificate in Project Management

Minimum Credit Hours Required for Completion

32

Time to Complete (Assumes student remains on selected schedule)

o **Normal time to complete:** 1 year, 2 months, assuming enrollment in 2 semesters per 12-month period

o **Minimum time to complete:** 10 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

3, assuming enrollment in 8-12 credit hours per semester

Graduation Requirements

Project Management - 32 credit hours required
Complete all of the following

- PROJ330 Human Resources and Communication in Projects (4)
- PROJ404 Project Management for the Profession (4)
- PROJ410 Contracts and Procurement (4)
- PROJ415 Project Quality Management (4)
- PROJ420 Project Risk Management (4)
- PROJ425 Project Management Methodologies (4)

Complete 1 of the following:

- PROJ431 Applied Project Management (4)
- PROJ432 Certified Associate Project Management Exam Preparation (4)

Complete 1 of the following:

- PROJ435 Project Management Technologies (4)
- PROJ440 Construction Project Management (4)
- PROJ445 IT Project Management (4)
- PROJ426 AI-Driven Project Management (4)

Program Notes

Students who complete this certificate program can apply eligible coursework to certain DeVry bachelor's degree programs. Restrictions may apply. More information is available in the Stackable Programs section.

PROJ432 provides authorized content enabling students to meet education requirements for the Certified Associate in Project Management (CAPM)® certification exam. As a Premier level Authorized Training Partner (ATP) of the Project Management Institute (PMI), DeVry is authorized to offer this course; faculty teaching this course have completed specialized training and earned the ATP Instructor badge. CAPM is a registered mark of the Project Management Institute, Inc.

Undergraduate Project Management Mission Statement

The mission of DeVry University's undergraduate project management programs is to educate students with real-world, industry-relevant project management knowledge, tools, techniques, and emerging technological trends needed to manage successful projects in an evolving business environment.

Employment Positions

Employment positions determined to be in field for graduates of the Undergraduate Certificate program in Project Management include Project Management Specialist (13-1082.00) and Office and Administrative Support Worker, All other (43-9199.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the Project Management undergraduate certificate program web page.

Project Management Pathway Certificate Program

Program Description

DeVry's Project Management Pathway undergraduate certificate program is designed to provide students with functional project management (PM) skills needed to enhance their contributions to, and opportunities within, the PM field. Coursework is industry-focused and provides targeted information related to planning, executing and overseeing projects with confidence and strategic acumen. Students who complete this undergraduate certificate program can apply eligible coursework to DeVry's bachelor's degree programs in Business Administration with a major/concentration in Project Management; Business Management, with a concentration in Project Management; and Technical Management, with a technical specialty in Project Management.

Programmatic Accreditation / Recognition

This program is accredited by the Accreditation Council for Business Schools and Programs, demonstrating it has met standards of business education that promote teaching excellence.

More information is available in the Accreditation and Authorization section.

Program Educational Objectives

The program is designed to produce graduates who are able to:
1. Apply a broad theoretical and technical understanding of the project management discipline, including the use of generative artificial intelligence (AI) tools, to manage projects successfully.
2. Evaluate the various project management concepts and techniques used in the management of projects.
3. Assess the impact of internal and external factors that may promote or hinder individual decisions and the management of people, procedures, processes, and projects.

Credential

Undergraduate Certificate in Project Management Pathway

Minimum Credit Hours Required for Completion

12

Time to Complete (Assumes student remains on selected schedule)

o **Normal time to complete:** 4 months, assuming enrollment in 1 semester per 12-month period

o **Minimum time to complete:** 4 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

1 full time, assuming enrollment in 12 credit hours per semester

Graduation Requirements

Project Management - 12 credit hours required
Complete all of the following

- PROJ404 Project Management for the Profession (4)

Complete 2 of the following:

- PROJ330 Human Resources and Communication in Projects (4)
- PROJ410 Contracts and Procurement (4)
- PROJ420 Project Risk Management (4)
- PROJ425 Project Management Methodologies (4)
- PROJ426 AI-Driven Project Management (4)

Programmatic Admission Requirements

Those who wish to be admitted to this program must hold a DeVry-recognized associate degree or higher.

Program Notes

Students who complete this certificate program can apply eligible coursework to certain degree programs. Restrictions may apply. More information is available in the Stackable Programs section.

Employment Positions

Employment positions determined to be in field for graduates of the Undergraduate Certificate program in Project Management Pathway include First Line Supervisor of Office Administrative Support Workers (43-1011.00). This position is used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional program information, visit theProject Management Pathway undergraduate certificate program web page.

Technical Management Bachelor’s Degree Program

Program Description

DeVry’s bachelor’s degree completion program in Technical Management is designed to prepare students to meet the challenges of a high-tech, global marketplace. Coursework helps students learn management skills needed to work in many business areas and industries, such as accounting, project management and information technology. Additionally, through experiential projects, students can develop the business acumen needed in today’s business world. The program offers multiple technical specialties, including various business administration specialties, a criminal justice specialty, a health information management (HIM) specialty and a General Technical Option (GTO). Students who have not chosen an area of specialization may begin the program in “Undeclared” status; however, they must select a technical specialty by the time they have earned 30 semester-credit hours toward their degree.

Programmatic Accreditation / Recognition

This program is accredited by the Accreditation Council for Business Schools and Programs, demonstrating it has met standards of business education that promote teaching excellence.

When completed with a Health Information Management specialty, the program is accredited by the Commission on Accreditation for Health Informatics and Information Management Education.

This program, when completed with an Information Technology and Cybersecurity Fundaments technical specialty, is acknowledged and verified as an approved provider by the National Initiative for Cybersecurity Careers and Studies.

When completed with a Project Management technical specialty, this program is accredited by the Global Accreditation Center for Project Management Education Programs (GAC) of the Project Management Institute.

The Society for Human Resource Management (SHRM) has acknowledged that this program, with a Human Resource Management technical specialty, aligns with SHRM’s HR Curriculum Guidebook and Templates.

More information is available in the Accreditation and Authorization section.

Program Alignment

Igniting the Potential of Degree Completers

This program is specifically designed to help students with college credits finish their bachelor’s degree, and enhance their skills for a current job or unlock new career opportunities. The customizable, transfer-credit-friendly curriculum provides opportunities to apply qualifying experience and credit from prior education; features diverse business and technical specialization options aligned to personal interests and professional goals; and helps students develop relevant skills for today’s workplace as they pursue an efficient path to completing their degree.

Career development strategies are integrated throughout the program, and coursework is complemented by contemporary workplace technologies to enhance the learning experience. Students are also introduced to professional associations and industry resources, and have the opportunity to participate in activities to further guide their career journey.

Program Educational Objectives

The program is designed to produce graduates who are able to:
1. Apply comprehensive research using appropriate technologies to solve business problems in the global workforce.
2. Develop the skills to effectively convey information to a variety of business audiences using oral, written, presentation, and technological platforms.
3. Apply leadership and conflict management techniques to foster collaboration within cross-cultural and interdisciplinary business environments.
4. Demonstrate management and leadership skills to develop and maintain a successful workforce in a globalized environment.
5. Examine issues and needs related to organizational challenges and propose change for quality improvement.

Credential

Bachelor of Science in Technical Management

State-Specific Credential

In New York, Bachelor of Professional Studies in Technical Management; in Ohio, Bachelor of Technical Management

Minimum Credit Hours Required for Completion

122

Time to Complete (Assumes student remains on selected schedule)

o **Normal time to complete:** 4 years, assuming enrollment in 2 semesters per 12-month period

o **Minimum time to complete:** 2 years, 8 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

8 full time, assuming enrollment in 12-19 credit hours per semester; enrollment in additional credit hours may be needed in some semesters

Graduation Requirements

Complete 1 of the following

OPTION 1: Students selecting the Technical Management program with General Technical Option, any Business Administration Specialty or Criminal Justice Specialty
Complete all of the following

Communication Skills – 11 credit hours required
- ENGL112 Composition (4)
- ENGL135 Advanced Composition (4)
- SPCH275 Public Speaking (3)

Humanities - 6 credit hours required
- ETHC445 Principles of Ethics (3)
- LAS432 Technology, Society, and Culture (3)

Social Sciences - 6 credit hours required

- ECON312 Principles of Economics (3)
- SOCS185 Culture and Society (3)

Mathematics and Natural Sciences - 12 credit hours required
Complete all of the following

- MATH114 Algebra for College Students (4)
- SCI228 Nutrition, Health and Wellness with Lab (4)

Complete 1 of the following:

- MATH200 Quantitative Reasoning (4)
- MATH221 Statistics for Decision-Making (4)

Personal and Professional Development – 5 credit hours required

- CARD405 Career Development (2)
- COLL148 Critical Thinking and Problem-Solving (3)

Business Core – 21 credit hours required
Complete all of the following

- BIS155 Data Analysis with Spreadsheets with Lab (3)
- BUSN115 Introduction to Business and Technology (3)
- BUSN319 Marketing (3)
- MGMT303 Principles of Management (3)
- COMP121 Computer Applications with AI for Business (2)
- BIAM112 Introduction to AI and Business Analytics (3)

Complete 1 of the following:

- ACCT207 Fundamentals of Accounting (4)
- ACCT212 Financial Accounting (4)

Management and Technology – 8 credit hours required
Complete all of the following

Complete 1 of the following:

- BIS245 Database Essentials for Business with Lab (4)
- BIS275 Advanced Excel (4)

Complete 1 of the following:

- MGMT404 Project Management (4)
- PROJ404 Project Management for the Profession (4)

Electives - 23 credit hours required
Electives may be chosen from courses listed in the Courses section provided they are not used to meet other graduation requirements, course prerequisites are met and the Elective course area credit hour requirement is satisfied. Students are encouraged to contact a student support advisor regarding elective course options. The following electives ensure students meet prerequisite requirements. Qualifying prior college coursework not meeting other program requirements may be applied toward elective hours.

- ACCT360 Managerial Accounting (3)
- BIS310 Compliance and Security Management (4)
- BUSN315 Contemporary Business (3)
- BUSN369 International Business (4)
- BUSN379 Finance (3)
- GSCM206 Managing Operations Across the Supply Chain (4)
- LEAD335 Cross-Cultural Leadership (4)
- LEAD430 Consulting and Problem-Solving (3)

- MGMT410 Human Resource Management (4)
- BIAM305 Managerial and Ethical Applications of AI and Analytics (3)
- BUSN355 AI and Strategic Decision-Making (3)
- TECH112 AI in Industry (3)

Senior Project - 3 credit hours required

- BUSN460 Senior Project (3)

Technical Specialty - Select 1 option - Required credit hours vary by Technical Specialty
A technical specialty consists of a sequence of interrelated courses focusing on a particular career area. With approval from a student support advisor, students choose one of the associated specialization options. Visit the Specializations section below for options and associated credit hour and course requirements.
NOTE: Students interested in taking the Health Information Management (HIM) Specialty must take the alternate core requirements shown below.
OPTION 2: Students selecting the Technical Management program with Health Information Management (HIM) Specialty
Complete all of the following

Communications Skills - 6 credit hours required

- ENGL108 Composition with Lab (3)
- ENGL136 Advanced Composition (3)

Humanities - 3 credit hours required

- LAS432 Technology, Society, and Culture (3)

Social Sciences – 6 credit hours required

- ECON312 Principles of Economics (3)
- SOCS185 Culture and Society (3)

Mathematics and Natural Sciences – 17 credit hours required

- BIOS106 Fundamentals of Human Anatomy and Physiology (4)
- BIOS266 Pathopharmacology (3)
- HIM325 Healthcare Statistics and Research (4)
- MATH116 Algebra for College Students (3)
- MATH226 Statistics for Decision-Making (3)

Personal and Professional Development – 3 credit hours required

- HIT102 Professional Skills for Healthcare (3)

Business and Management – 20 credit hours required

- BIAM112 Introduction to AI and Business Analytics (3)
- BUSN115 Introduction to Business and Technology (3)
- HIM342 Health Services Finance (4)
- HIM412 Healthcare Policy (3)
- MGMT303 Principles of Management (3)
- MGMT404 Project Management (4)

Digital Health Core – 15 credit hours required

- HCA221 Healthcare Billing and Insurance Fundamentals (3)
- HIT112 Basic Medical Terminology (3)
- HIT126 Electronic Health Records and Digital Health (3)
- HIT224 Medical Ethics, Compliance and Patient Privacy (3)
- HIT240 Fundamentals of Artificial Intelligence in Healthcare (3)

Health Information Elective – 3 credit hours required
Complete 1 of the following:

- HCA236 Revenue Cycle Management (3)
- HCA350 Registration Organization and Operations (3)
- HIM455 Managed Care and Community Health (4)
- HIT218 Advanced Medical Coding with AI Resources (3)
- HIT219 Hospital Medical Coding with AI Resources (3)
- HIT255 Health Information Technology Mastery (3)

Health Information Technology and Medical Coding – 15 credit hours required

- HIT175 Health Information Technology Application (3)
- HIT207 CPT Coding with Application (3)
- HIT221 ICD-10-CM with Application (3)
- HIT228 ICD-10-PCS with Application (3)
- HIT229 Healthcare Quality and Data Analytics (3)

Health Information Management Specialty - 28 credit hours required

Visit the Specializations section below for Health Information Management Specialization course requirements.

Capstone and Exam Preparation – 6 credit hours required

- HIM462 Health Information Research (2)
- HIM463 Health Information Practicum with Exam Preparation (4)

Graduation Requirements

To complete their program, students in the Health Information Management specialty must also meet the following requirements:

- Students are required to successfully complete practicum or clinical coursework at an affiliated healthcare site. Before accepting students, such healthcare sites require a physical exam, proof of freedom from communicable disease, a criminal background check and/or a drug screen. Random drug screens may be required. Students rejected by a practicum or clinical site for any reason cannot finish their programs' required coursework and therefore cannot graduate.
- The capstone practicum course is overseen by a professor who monitors students' progress in conjunction with practicum site liaisons. Applicants to, and students in, programs with practicum or clinical coursework components must comply with DeVry's requirements for their program. Failure to fully disclose a criminal record, failure to comply with background and/or drug screening requirements or failure to have a satisfactory outcome may result in denial of admission to, or dismissal from, the program.
- Transportation to external healthcare sites, meals at such sites and personal expenses are not included when calculating students' annual costs. These expenses vary according to individual student needs. DeVry attempts to place students at healthcare sites within a 50-mile radius of their DeVry location; however, distances may be greater.

State-Specific Variances

New Jersey: Students enrolled at a New Jersey location must take 55 semester-credit hours of general education coursework. Fifteen semester-credit hours of general education coursework may be applied to the Electives course area.

Programmatic Admission Requirements

Applicants must have successfully completed at least 12 semester-credit hours at a recognized postsecondary institution, or they must hold a DeVry-recognized associate degree or higher.

New Jersey: Admission to the Technical Management program does not require prior college credit for those enrolled at a New Jersey location.

Program-Specific Policies

Students selecting the General Technical Option or a Business Administration specialty who wish to complete the internship course sequence (INTP491 and INTP492) must request approval from the appropriate academic administrator to take these courses in lieu of one of the specialty courses.

Program Notes

Students who successfully complete certain courses are eligible to earn a digital badge for the course. Visit the Skills Coursework and Badges section.

For students selecting OPTION 1, degree requirements are specified in an individual plan of study developed with each student through academic advising. Each plan includes a minimum of six credit hours in each General Education course area (Communication Skills, Humanities, Social Sciences, and Mathematics and Natural Sciences). Each plan also includes at least 42 semester-credit hours that must be earned in upper-division coursework (DeVry courses numbered 300-499). Upper-division coursework shown in all course areas in the program outline section, including the Electives course area, is applicable to the 42-semester-credit-hour requirement. Students should check with their advisor to determine if they are able to apply prior credits to satisfy degree requirements, especially in General Education course areas.

Most state boards of accountancy require 150 credit hours of postsecondary education in order to sit for the CPA exam. As this program is less than 150 credit hours, this program alone does not meet the minimum credit hour requirements to sit for the CPA exam. Students interested in sitting for the CPA exam should check their state’s requirements.

Credits and degrees earned from DeVry do not automatically qualify the holder to participate in professional licensing exams required to practice certain professions. Persons interested in practicing a regulated profession must contact the appropriate state regulatory agency for their field of interest.

There may be a slight difference between minimum credit hours required for graduation and total credit hours required if all courses are taken at DeVry. Credit hour differences may benefit students with qualifying transfer credit. Credit hours beyond the minimum may affect program length and cost. Students should contact a student support advisor for more information.

Employment Positions

Employment positions determined to be in field for graduates of the Bachelor of Science in Technical Management (in New York, Bachelor of Professional Studies in Technical Management, in Ohio, Bachelor of Technical Management) degree program include General and Operations Managers (11-1021.00), Sales Managers (11-2022.00), Administrative Services Managers (11-3012.00), Industrial Production Managers (11-3051.00), Transportation, Storage, and Distribution Managers (11-3071.00), Construction Managers (11-9021.00), Social and Community Service Managers (11-9151.00), Managers, All Other (11-9199.00), Cost Estimators (13-1051.00), Management Analysts (13-1111.00), Financial Analysts (13-2051.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the bachelor's degree program in Technical Management web page.

Technical Management Bachelor's Degree Program - Accounting

Graduation Requirements

Accounting - 27 credit hours required
Complete all of the following

- ACCT303 Intermediate Accounting I (3)
- ACCT306 Intermediate Accounting II (3)
- ACCT326 Federal Tax Accounting I (3)
- ACCT446 Auditing (3)
- ACCT360 Managerial Accounting (3)

Complete 4 of the following:

- ACCT313 Intermediate Accounting III (3)
- ACCT336 AI and Analytics for Accountants (3)
- ACCT370 Internal Audit (3)
- ACCT373 Internal Audit Practitioner Exam Preparation (3)
- ACCT406 Advanced Accounting (3)
- ACCT426 Federal Tax Accounting II (3)
- ACCT436 Advanced Cost Management (3)
- ACCT456 Accounting Information Systems with AI (3)

Notes

Students selecting the Accounting technical specialty must take ACCT212 within the Business Core course area.

Most state boards of accountancy require 150 credit hours of postsecondary education in order to sit for the CPA exam. As this program is less than 150 credit hours, this program alone does not meet the minimum credit hour requirements to sit for the CPA exam. Students interested in sitting for the CPA exam should check their state's requirements.

Students selecting the General Technical Option or a Business Administration specialty who wish to complete the internship course sequence (INTP491 and INTP492) must request approval from the appropriate academic administrator to take these courses in lieu of one of the specialty courses.

Texas: Students selecting the Accounting technical specialty interested in sitting for the CPA exam in Texas complete ACCT434, ACCT440 and MGMT330 as elective course options. Successful completion of topics presented in these courses is required to sit for the CPA exam in Texas. Additional requirements also apply to students wishing to sit for the CPA exam; students should check with the Texas Board of Public Accountancy for details.

Technical Management Bachelor's Degree Program - Business Analytics

Graduation Requirements

Business Analytics - 27 credit hours required

- BIAM410 Database Concepts in Business Intelligence (4)
- BIAM430 Introduction to Visualization and Predictive Analytics (4)
- BUSN340 Introduction to Risk Analysis (4)
- BIAM305 Managerial and Ethical Applications of AI and Analytics (3)
- BIAM320 Analytics in the Business Environment (3)
- BIAM425 Introduction to Digital Performance Metrics (3)
- BUSN355 AI and Strategic Decision-Making (3)
- LEAD430 Consulting and Problem-Solving (3)

Notes

All students selecting the Business Analytics technical specialty must take MATH221 as part of the Mathematics and Natural Sciences course area.

Students selecting the General Technical Option or a Business Administration specialty who wish to complete the internship course sequence (INTP491 and INTP492) must request approval from the appropriate academic administrator to take these courses in lieu of one of the specialty courses.

Technical Management Bachelor’s Degree Program - Criminal Justice

Graduation Requirements

Criminal Justice Specialty - 27 credit hours required

- CRMJ300 Criminal Justice (3)
- CRMJ310 Law Enforcement (3)
- CRMJ315 Juvenile Justice (3)
- CRMJ320 Theory and Practice of Corrections (3)
- CRMJ400 Criminology (3)
- CRMJ410 Criminal Law and Procedure (3)
- CRMJ420 Criminal Investigation (3)
- CRMJ425 Ethics and Criminal Justice (3)
- CRMJ450 Terrorism Investigation (3)

Notes

Visit the Course Related Requirements section to learn more about Employment in Criminal Justice, including pre-employment screenings, training programs and prior experience that may be required to obtain employment in this field.

Technical Management Bachelor’s Degree Program - Finance

Graduation Requirements

Finance - 28 credit hours required

- ACCT303 Intermediate Accounting I (3)
- ACCT326 Federal Tax Accounting I (3)
- ACCT426 Federal Tax Accounting II (3)
- ACCT436 Advanced Cost Management (3)
- FIN351 Investment Fundamentals and Security Analysis (4)
- FIN364 Money and Banking (4)
- FIN382 Financial Statement Analysis (4)
- FIN390 Fixed Income Securities Analysis (4)

Notes

Students selecting the Finance technical specialty must take ACCT212 within the Business Core course area, ACCT360 within the Electives course area and BUSN379 within the Electives course area.

Students selecting the General Technical Option or a Business Administration specialty who wish to complete the internship course sequence (INTP491 and INTP492) must request approval from the appropriate academic administrator to take these courses in lieu of one of the specialty courses.

Technical Management Bachelor’s Degree Program - General Technical Option

Graduation Requirements

Students apply credits from DeVry coursework, qualifying coursework from a prior college experience, or a combination of DeVry and qualifying prior coursework to meet the credit hour requirement.

Technical Management Bachelor’s Degree Program - Global Supply Chain Management

Graduation Requirements

Global Supply Chain Management - 28 credit hours required

- GSCM206 Managing Operations Across the Supply Chain (4)
- GSCM209 Supply Chain Management Decision Support Tools and Applications (4)
- GSCM326 Total Quality Management (4)
- GSCM330 Strategic Supply and Master Planning (4)
- GSCM434 Supply Chain Logistics, Distribution and Warehousing (4)
- GSCM440 Supply Chain Procurement Management and Sourcing Strategy (4)
- GSCM460 Global Issues in Supply Chain Management (4)

Technical Management Bachelor’s Degree Program - Health Information Management (HIM) Specialty

Specialization Description

The Health Information Management (HIM) specialty is designed for students who wish to develop a solid business foundation for the workplace. This specialization further focuses studies by helping students become familiar with information systems and health policy in support of careers in healthcare settings. The HIM specialty includes DeVry’s Digital Health Core series of courses, designed to help students develop a set of interdisciplinary skills for today's rapidly evolving health information field. Courses explore principles used throughout the healthcare ecosystem, exposing students to essential topics related to medical terminology; compliance; ethics; electronic medical records; patient privacy; and digital and data-driven technologies that support healthcare delivery, including foundational concepts related to use of artificial intelligence in healthcare settings. The Digital Health Core curriculum also provides students hands-on experience with industry-standard software systems and simulated patient records.

Graduation Requirements

Health Information Management Specialty - 28 credit hours required

- HIM312 Introduction to Health Services Management (4)
- HIM335 Health Information Systems and Networks with Lab (3)
- HIM355 Advanced Classification Systems and Management with Lab (3)
- HIM378 Cybersecurity and Data Privacy in Healthcare (4)
- HIM410 Health Information Financial Management (3)
- HIM420 Healthcare Total Quality Management (4)
- HIM435 Management of Health Information Functions and Services (4)
- HIM450 Health Information Management Mastery (3)

Notes

HIM450 is provided at no tuition charge for students selecting the Health Information Management technical specialty.

Those who have earned a Medical Billing & Coding or Medical Billing & Coding – Health Information Coding undergraduate certificate, or an associate degree in Health Information Technology, through DeVry can apply eligible coursework in these programs toward the University’s bachelor’s degree in Technical Management. Students should note that future programmatic changes could impact the application of credit to a future program. Contact a student support advisor for more information.

Programmatic Accreditation / Recognition

When completed with a Health Information Management specialty, the program is accredited by the Commission on Accreditation for Health Informatics and Information Management Education.

Technical Management Bachelor’s Degree Program - Health Services Management

Graduation Requirements

Health Services Management - 27 credit hours required

- HCA240 Fundamentals of Artificial Intelligence in Healthcare (3)
- HCA310 Health Systems and Interoperability (3)
- HCA340 Health Services Finance (3)
- HCA415 Healthcare Law and Ethics (3)
- HCA435 Healthcare Analytics and Informatics (3)
- HCA440 Digital Health and Innovation (3)
- HCA445 Healthcare Leadership for a Digital Age (3)
- HCA450 Managed Care and Community Health (3)
- HCA312 Healthcare Compliance and Policy (3)

Notes

Students selecting the General Technical Option or a Business Administration specialty who wish to complete the internship course sequence (INTP491 and INTP492) must request approval from the appropriate academic administrator to take these courses in lieu of one of the specialty courses.

Technical Management Bachelor’s Degree Program - Hospitality Management

Graduation Requirements

Hospitality Management - 28 credit hours required

- HOSP310 Introduction to Hospitality Management (4)
- HOSP320 Foundations of Hotel Management (4)
- HOSP330 Meetings and Events Management (4)
- HOSP410 Restaurant Management (4)
- HOSP420 Food Safety and Sanitation (4)
- HOSP440 Casino Management (4)
- HOSP450 Tourism Management (4)

Technical Management Bachelor’s Degree Program - Human Resource Management

Graduation Requirements

Human Resource Management - 28 credit hours required

- BUSN412 Business Policy (4)
- HRM320 Employment Law (4)
- HRM330 Labor Relations (4)
- HRM341 HR Information Systems and AI Applications (4)
- HRM410 Strategic Staffing (4)
- HRM420 Training and Development (4)
- HRM430 Compensation and Benefits (4)

Notes

Students selecting the Human Resource Management technical specialty must take MGMT410 within the Electives course area.

Students selecting the General Technical Option or a Business Administration specialty who wish to complete the internship course sequence (INTP491 and INTP492) must request approval from the appropriate academic administrator to take these courses in lieu of one of the specialty courses.

Programmatic Accreditation / Recognition

The Society for Human Resource Management (SHRM) has acknowledged that this program, with a Human Resource Management technical specialty, aligns with SHRM’s HR Curriculum Guidebook and Templates.

Technical Management Bachelor’s Degree Program - Information Technology and Cybersecurity Fundamentals

Graduation Requirements

Information Technology and Cybersecurity Fundamentals - 28 credit hours required
Complete all of the following

- NETW191 Fundamentals of Information Technology and Networking (3)
- NETW212 Introduction to Cloud Computing (3)
- SEC305 Cybersecurity and Data Privacy (4)
- SIS110 Operating Systems Basics (3)
- SIS180 Introduction to Machine Learning and Artificial Intelligence (3)
- TECH101 Technology Fundamentals (3)
- TECH110 Coding and Scripting (3)
- TECH112 AI in Industry (3)

Complete 1 of the following:

- SEC285 Fundamentals of Information System Security (3)
- SEC322 Penetration Testing (3)

Programmatic Accreditation / Recognition

This program, when completed with an Information Technology and Cybersecurity Fundamentals technical specialty, is acknowledged and verified as an approved provider by the National Initiative for Cybersecurity Careers and Studies.

Technical Management Bachelor’s Degree Program - Project Management

Graduation Requirements

Project Management - 28 credit hours required
Complete all of the following

- PROJ330 Human Resources and Communication in Projects (4)
- PROJ410 Contracts and Procurement (4)
- PROJ415 Project Quality Management (4)
- PROJ420 Project Risk Management (4)
- PROJ425 Project Management Methodologies (4)

Complete 1 of the following:

- PROJ431 Applied Project Management (4)
- PROJ432 Certified Associate Project Management Exam Preparation (4)

Complete 1 of the following:

- PROJ435 Project Management Technologies (4)
- PROJ440 Construction Project Management (4)
- PROJ445 IT Project Management (4)
- PROJ426 AI-Driven Project Management (4)

Notes

Students selecting the Project Management technical specialty must take PROJ404 within the Management and Technology course area.

Students selecting the General Technical Option or a Business Administration specialty who wish to complete the internship course sequence (INTP491 and INTP492) must request approval from the appropriate academic administrator to take these courses in lieu of one of the specialty courses.

PROJ432 provides authorized content enabling students to meet education requirements for the Certified Associate in Project Management (CAPM)® certification exam. As a Premier level Authorized Training Partner (ATP) of the Project Management Institute (PMI), DeVry is authorized to offer this course; faculty teaching this course have completed specialized training and earned the ATP Instructor badge. CAPM is a registered mark of the Project Management Institute, Inc.

Undergraduate Project Management Mission Statement

The mission of DeVry University’s undergraduate project management degree specializations is to educate students with real-world, industry-relevant project management knowledge, tools, techniques, and emerging technological trends needed to manage successful projects in an evolving business environment.

Undergraduate Project Management Program Outcomes

- Apply a broad theoretical and technical understanding of the project management discipline, including the use of generative artificial intelligence (AI) tools, to manage projects successfully.
- Evaluate the various project management concepts and techniques used in the management of projects.
- Implement innovative project approaches to solve specialized business problems in predictable and unpredictable environments.
- Manage complex professional and technical activities creating organizational value and navigate risk in various contexts within the project management framework.
- Assess the impact of internal and external factors that may promote or hinder individual decisions and the management of people, procedures, processes, and projects.

Programmatic Accreditation / Recognition

This program, when completed with a Project Management major/technical specialty, is accredited by the Global Accreditation Center for Project Management Education Programs (GAC) of the Project Management Institute.

Technical Management Bachelor’s Degree Program - Sales and Marketing

Graduation Requirements

Sales and Marketing - 27 credit hours required
Complete all of the following

- MKTG310 Consumer Behavior (4)
- MKTG340 Digital Marketing Fundamentals (3)
- MKTG410 Advertising and Public Relations (4)
- MKTG435 Marketing Research and Analytics (4)
- MKTG445 Brand Management (4)
- MKTG455 Current Topics in Marketing (4)

Complete 1 of the following:

- MKTG425 Personal Selling and Sales Management (4)
- MKTG430 International Marketing (4)
- SBE330 Creativity, Innovation and New Product Development (4)
- BUSN210 Fundamentals of Artificial Intelligence in Business (4)

Technical Management Bachelor’s Degree Program - Small Business Management and Entrepreneurship

Graduation Requirements

Small Business Management and Entrepreneurship - 27 credit hours required

- BUSN258 Customer Relations (4)
- LAWS310 The Legal Environment (3)
- SBE310 Small Business Management and Entrepreneur-ship (4)
- SBE330 Creativity, Innovation and New Product Development (4)
- SBE420 Operational Issues in Small Business Management (4)
- SBE430 E-Commerce for Small Business (4)
- SBE440 Business Plan Writing for Small Businesses and Entrepreneurs (4)

College of Engineering & Information Sciences

AI & Data Analytics Certificate Program

Program Description

DeVry’s AI & Data Analytics undergraduate certificate program prepares students to perform evidence-based problem-solving and develop data-driven business solutions. Artificial intelligence (AI) is introduced, and practical uses of AI, programming, analytics software and data are presented. The curriculum focuses on strategies for data acquisition, retrieval, storage, management, interpretation and analysis. Coursework also introduces machine learning, predictive analytics, modeling methods and visualization.

Program Alignment

AI-Infused Technology Foundations

This program offers technology courses that build interdisciplinary skills for today's AI-driven digital world. Learners gain hands-on experience with devices, computing, networks, cloud services and security while exploring the integration and automation that power the Internet of Things. The curriculum emphasizes responsible and ethical workplace practices, adaptability to emerging innovations, and immersive applications of AI and machine learning across industry.

Program Educational Objectives

The program is designed to produce graduates who are able to:
1. Retrieve, organize, and manipulate data using a variety of mining techniques and analytical tools.
2. Analyze data, test hypotheses, validate claims, and draw conclusions using appropriate statistical and modeling methods.
3. Apply graphical presentation and visual representation techniques to promote understanding and illustration of complex data, process output, and/or system interactions.

Credential

Undergraduate Certificate in AI and Data Analytics

Minimum Credit Hours Required for Completion

36

Time to Complete (Assumes student remains on selected schedule)

- **Normal time to complete:** 1 year, 4 months, assuming enrollment in 2 semesters per 12-month period
- **Minimum time to complete:** 12 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

3 full time, assuming enrollment in 12 credit hours per semester

Graduation Requirements

Complete all of the following

Mathematics and Natural Sciences – 9 credit hours required

- MATH111 Integrated Math I (3)
- MATH121 Integrated Math II (3)
- TECH220 Data-Driven Decision-Making (3)

Tech Foundations – 9 credit hours required

- TECH101 Technology Fundamentals (3)
- TECH110 Coding and Scripting (3)
- TECH112 AI in Industry (3)

Program Focus – 18 credit hours required

Complete all of the following

- SIS150 Fundamentals of Programming (3)
- SIS230 Relational Databases (3)
- SIS310 AI-Driven Business Application Coding (3)
- SIS330 Non-Relational Databases (3)

Complete 2 of the following:

- SEC302 Data Administration and Security (3)
- SIS180 Introduction to Machine Learning and Artificial Intelligence (3)
- SIS340 Data Visualization and Presentation (3)
- SIS350 AI, Machine Learning and Data Science (3)

Program Notes

Students who complete this certificate program can apply eligible coursework to certain DeVry degree programs. Restrictions may apply. More information is available in the Stackable Programs section.

Students who successfully complete certain courses are eligible to earn a digital badge for the course. Visit the Skills Coursework and Badges section.

Employment Positions

Employment positions determined to be in field for graduates of the Undergraduate Certificate program in AI & Data Analytics include Software Quality Assurance Analysts and Testers (15-1253.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the AI & Data Analytics undergraduate certificate program web page.

Cloud Computing Certificate Program

Program Description

DeVry's Cloud Computing undergraduate certificate program is designed to prepare students with knowledge and skills needed to improve business productivity and effectiveness through Infrastructure, Platform and Software as a service (known as IaaS, PaaS and SaaS). The curriculum includes hands-on experience in implementing, configuring and managing cloud technologies and virtualization environments. Coursework also covers web architecture and infrastructure, security and risk mitigation, and industry standards and best practices as applied to cloud services.

Program Alignment

AI-Infused Technology Foundations

This program offers technology courses that build interdisciplinary skills for today's AI-driven digital world. Learners gain hands-on experience with devices, computing, networks, cloud services and security while exploring the integration and automation that power the Internet of Things. The curriculum emphasizes responsible and ethical workplace practices, adaptability to emerging innovations, and immersive applications of AI and machine learning across industry.

Program Educational Objectives

The program is designed to produce graduates who are able to:
1. Identify and utilize cloud computing models and types of available technologies and services.
2. Design a cloud computing infrastructure and/or service.
3. Configure, deploy, and manage a cloud computing system considering security threats and risk mitigation.

Credential

Undergraduate Certificate in Cloud Computing

Minimum Credit Hours Required for Completion

40

Time to Complete (Assumes student remains on selected schedule)

- **Normal time to complete:** 2 years, assuming enrollment in 2 semesters per 12-month period
- **Minimum time to complete:** 1 year, 4 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

4, assuming enrollment in 8-12 credit hours per semester

Graduation Requirements

Complete all of the following

Tech Foundations - 28 credit hours required

- MATH114 Algebra for College Students (4)
- NETW191 Fundamentals of Information Technology and Networking (3)
- NETW212 Introduction to Cloud Computing (3)
- SEC285 Fundamentals of Information System Security (3)
- SIS110 Operating Systems Basics (3)
- SIS180 Introduction to Machine Learning and Artificial Intelligence (3)
- TECH101 Technology Fundamentals (3)
- TECH110 Coding and Scripting (3)
- TECH112 AI in Industry (3)

Program Focus - 12 credit hours required

Complete all of the following

- NETW314 Cloud Computing (3)
- NETW404 Data Center Virtualization (3)

Complete 1 of the following:

- NETW350 Cloud Services (3)
- NETW351 Cloud Architecture (3)

Complete 1 of the following:

- NETW450 Cloud Development (3)
- NETW451 Cloud Operations (3)

Program Notes

Students who complete this certificate program can apply eligible coursework to certain DeVry degree programs. Restrictions may apply. More information is available in the Stackable Programs section.

Students who successfully complete certain courses are eligible to earn a digital badge for the course. Visit the Skills Coursework and Badges section.

Employment Positions

Employment positions determined to be in field for graduates of the Undergraduate Certificate program in Cloud Computing include Computer Systems Analysts (15-1211.00), Computer User Support Specialists (15-1232.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the Cloud Computing undergraduate certificate program web page.

Computer Information Systems Bachelor's Degree Program

Program Description

DeVry's Bachelor of Science in Computer Information Systems (BCIS) degree program is designed to prepare graduates to successfully join the workforce as technical and management professionals in various industries. BCIS graduates play essential roles on the business team, typically designing and implementing hardware and software solutions to business problems. They are also expected to possess knowledge, experience and skills that enable them to adapt to change in this dynamic field through a lifelong learning process. The program offers specializations as shown in the following program outline. Students who have not chosen an area of specialization may begin the program in "Undeclared" status; however, they must select a specialization by the time they have earned 60 semester-credit hours toward their degree.

Programmatic Accreditation / Recognition

The Bachelor of Science in Computer Information Systems is accredited by the Computing Accreditation Commission of ABET, under the commission's General Criteria and Program Criteria for Information Systems and Similarly Named Computing Programs.

BCIS students pursuing the Cyber Security Programming specialization should note that DeVry's cybersecurity curriculum is acknowledged and verified as an approved provider of cyber education by the **National Initiative for Cybersecurity Careers and Studies**. Students successfully completing this program and specialization in the May 2024 session and thereafter are issued a certificate of achievement signifying completion of a program with **National Center of Academic Excellence in Cyber Defense** (CAE-CD) designation. The certificate also indicates the curriculum meets rigorous standards for cybersecurity education and the student has completed all coursework needed to meet those standards.

More information is available in the Accreditation and Authorization section.

Program Alignment

Transforming System Administrators with AI

This program is designed to prepare programming and coding professionals to apply AI in business system analysis, database management and enterprise system administration. Learners gain skills to keep pace with rapidly evolving technologies through a blend of instruction and practical, hands-on experience. With focused instruction in generative AI, agentic systems and machine learning, the curriculum helps learners understand core AI concepts and their application in real-world information system scenarios.

Career development strategies are integrated throughout the program to help prepare learners for professional success. Courses align with industry certifications, such as those from the Linux Professional Institute, CompTIA, Python Institute and Microsoft, as well as with competencies published by the Association for Computing Machinery and the Association for Information Systems. Students can also gain experience by participating in industry-focused student organizations and engaging in coding and cybersecurity competitions.

Program Educational Objectives

Program educational objectives (PEOs) are broad statements that describe the skills graduates are expected to attain within a few years of graduation. PEOs are based on the needs of the program's constituents and are a requirement of CAC of ABET accreditation. The program's PEOs are:
1. Successfully support maintenance, installation and testing of information technology, computing, and/or automated systems.
2. Communicate and collaborate effectively with individuals, teams and artificial intelligence (AI).
3. Exercise critical and systemic thinking, as well as ethical responsibility in solving professional challenges.
4. Remain abreast of developments in technology and society.

Student Outcomes

Student outcomes are the skills and abilities students are expected to demonstrate at graduation. These relate to the skills, knowledge, and behaviors that students acquire as they progress through the program. These outcomes map directly to the current Student Outcome Criteria prescribed by CAC of ABET. The program is designed to produce graduates who are able to:
1. Analyze a complex computing problem and apply principles of computing and other relevant disciplines to identify solutions.
2. Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
3. Communicate effectively in a variety of professional contexts.
4. Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
5. Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.
6. Support the delivery, use, and management of systems within an information systems environment.
7. Apply security principles and practices to maintain operations in the presence of risks and threats. (Cyber Security Programming Specialization)

Credential

Bachelor of Science in Computer Information Systems

State-Specific Credential

In New York, Bachelor of Professional Studies in Computer Information Systems

Minimum Credit Hours Required for Completion

124

Time to Complete (Assumes student remains on selected schedule)

- **Normal time to complete:** 4 years, assuming enrollment in 2 semesters per 12-month period

- **Minimum time to complete:** 2 years, 8 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

8 full time, assuming enrollment in 12-19 credit hours per semester; enrollment in additional credit hours may be needed in some semesters

Graduation Requirements

Complete all of the following

Communication Skills - 15 credit hours required
- ENGL112 Composition (4)
- ENGL135 Advanced Composition (4)
- ENGL216 Technical Writing (4)
- SPCH275 Public Speaking (3)

Humanities - 6 credit hours required
- ETHC232 Ethical and Legal Issues in the Professions (3)
- LAS432 Technology, Society, and Culture (3)

Social Sciences - 9 credit hours required
- ECON312 Principles of Economics (3)
- SOCS185 Culture and Society (3)
- SOCS325 Environmental Sociology (3)

Mathematics and Natural Sciences - 12 credit hours required
- MATH114 Algebra for College Students (4)
- TECH204 Everyday Physics (4)
- TECH221 Data-Driven Decision-Making (4)

Tech Foundations - 21 credit hours required
- NETW212 Introduction to Cloud Computing (3)
- SEC285 Fundamentals of Information System Security (3)
- SIS110 Operating Systems Basics (3)
- TECH101 Technology Fundamentals (3)
- TECH110 Coding and Scripting (3)
- TECH112 AI in Industry (3)
- TECH114 Connected Digital Devices (3)

Program Focus - 29 credit hours required
- SEC305 Cybersecurity and Data Privacy (4)
- SEC380 Cloud Computing Security (4)
- SIS150 Fundamentals of Programming (3)
- SIS180 Introduction to Machine Learning and Artificial Intelligence (3)
- SIS230 Relational Databases (3)
- SIS240 Web Programming (3)
- SIS250 General Application Programming (3)
- SIS310 AI-Driven Business Application Coding (3)
- SIS320 Business Application Programming (3)

Career Preparation – 9 credit hours required
- TECH305 Technology Career Development (3)
- TECH440 Technical Project Management (3)
- TECH460 Senior Project (3)

Specialization - Select 1 option - 23 credit hours required
Visit the Specializations section below for options and associated course requirements.

State-Specific Variances

New Jersey: Students enrolled at a New Jersey location must take 127 minimum credits by taking an additional three (3) semester-credit hours of general education coursework within these course areas: Communication Skills, Humanities, Social Sciences, and Mathematics and Natural Sciences. Humanities and Social Sciences courses selected should be upper-division coursework (DeVry courses numbered 300-499). DeVry University is currently in the re-licensure process in New Jersey.

Nevada: Students enrolled at a Nevada location must take POLI332 in lieu of SOCS325.

Program Notes

Students who successfully complete certain courses are eligible to earn a digital badge for the course. Visit the Skills Coursework and Badges section.

Credits and degrees earned from DeVry do not automatically qualify the holder to participate in professional certification or licensure exams. DeVry does not guarantee graduates will successfully pass such exams.

Employment Positions

Employment positions determined to be in field for graduates of the Bachelor of Science in Computer Information Systems (in New York, Bachelor of Professional Studies in Computer Information Systems) degree program include Computer User Support Specialists (15-1232.00), Computer Programmers (15-1251.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the bachelor’s degree program in Computer Information Systems web page.

Computer Information Systems Bachelor’s Degree Program - Computer Forensics

Graduation Requirements

Computer Forensics - 23 credit hours required
Complete all of the following

Program Core - 8 credit hours required

- BIS310 Compliance and Security Management (4)
- WBG310 Interactive Web Page Scripting with Lab (4)

Track - 15 credit hours required

- BUSN340 Introduction to Risk Analysis (4)
- SEC302 Data Administration and Security (3)
- SEC335 Incident Response and Digital Forensics (4)
- SEC440 Information Systems Security Planning and Audit (4)

Computer Information Systems Bachelor’s Degree Program - Cyber Security Programming

Graduation Requirements

Cyber Security Programming - 23 credit hours required
Complete all of the following

Program Core - 9 credit hours required

- SEC290 Fundamentals of Infrastructure Security (3)
- SEC302 Data Administration and Security (3)
- SEC311 Ethical Hacking (3)

Track - 14 credit hours required

- SEC270 Secure Cyber Coding (3)
- SEC313 Applied AI for Cybersecurity (3)
- SEC335 Incident Response and Digital Forensics (4)
- SEC440 Information Systems Security Planning and Audit (4)

Programmatic Accreditation / Recognition

CIS students pursuing the Cyber Security Programming track should note that DeVry’s cybersecurity curriculum is acknowledged and verified as an approved provider of cyber education by the National Initiative for Cybersecurity Careers and Studies. Students successfully completing this program and track in the May 2024 session and thereafter are issued a certificate of achievement signifying completion of a program with National Center of Academic Excellence in Cyber Defense (CAE-CD) designation. The certificate also indicates the curriculum meets rigorous standards for cybersecurity education and the student has completed all coursework needed to meet those standards.

Computer Information Systems Bachelor’s Degree Program - Database Management

Graduation Requirements

Database Management - 23 credit hours required
Complete all of the following

Program Core - 8 credit hours required

- BIAM300 Managerial Applications of Business Analytics (4)
- BIAM410 Database Concepts in Business Intelligence (4)

Track - 15 credit hours required

- SEC302 Data Administration and Security (3)
- SIS300 User Experience and Interface (3)
- SIS330 Non-Relational Databases (3)
- SIS340 Data Visualization and Presentation (3)
- SIS350 AI, Machine Learning and Data Science (3)

Computer Information Systems Bachelor’s Degree Program - Information Systems Security

Graduation Requirements

Information Systems Security - 23 credit hours required
Complete all of the following

Program Core - 8 credit hours required

- WBG310 Interactive Web Page Scripting with Lab (4)
- WGD242 Advanced Web Design (4)

Track - 15 credit hours required

- BIS310 Compliance and Security Management (4)
- BUSN340 Introduction to Risk Analysis (4)
- SEC302 Data Administration and Security (3)
- SEC440 Information Systems Security Planning and Audit (4)

Computer Information Systems Bachelor’s Degree Program - Software Programming

Graduation Requirements

Software Programming - 23 credit hours required
Complete all of the following

Program Core - 9 credit hours required

- SEC270 Secure Cyber Coding (3)
- SIS260 Algorithms and Data Structures (3)
- SIS309 AI-Driven Products, Services and Platforms (3)

Track - 14 credit hours required

- SEC440 Information Systems Security Planning and Audit (4)
- SIS308 Introduction to Quantum Computing (3)
- SIS330 Non-Relational Databases (3)
- WBG410 Dynamic Website Development and Database Integration with Lab (4)

Computer Information Systems Bachelor’s Degree Program - Web Development and Administration

Graduation Requirements

Web Development and Administration - 23 credit hours required
Complete all of the following

Program Core - 8 credit hours required

- WBG310 Interactive Web Page Scripting with Lab (4)
- WGD235 Web Animation (4)

Track - 15 credit hours required

- SBE430 E-Commerce for Small Business (4)
- SIS300 User Experience and Interface (3)
- WBG410 Dynamic Website Development and Database Integration with Lab (4)
- WGD242 Advanced Web Design (4)

Computer Information Systems Bachelor’s Degree Program - Web Game Programming

Graduation Requirements

Web Game Programming - 23 credit hours required
Complete all of the following

Program Core - 8 credit hours required

- WBG310 Interactive Web Page Scripting with Lab (4)
- WGD242 Advanced Web Design (4)

Track - 15 credit hours required

- SIS440 Simulation and Game Programming (3)
- WBG370 Game Development with Lab (4)
- WBG410 Dynamic Website Development and Database Integration with Lab (4)
- WGD235 Web Animation (4)

Cyber Security Certificate Program

Program Description

DeVry’s Cyber Security undergraduate certificate program helps prepare students to provide essential business infrastructure in the cybersecurity field to support financial, healthcare, commercial and industrial organizations. The applied curriculum provides skill-building opportunities to address the cybersecurity concerns of an increasingly complex and pervasive digital world, including data breaches, hacking and other cybercrimes. Coursework addresses knowledge, skills and abilities needed to identify cyber vulnerabilities, establish countermeasures to breaches, and protect applications and hardware systems from malicious attacks, ensuring an organization’s infrastructure remains available, confidential and trustworthy.

Programmatic Accreditation / Recognition

Students pursuing this undergraduate certificate should note that DeVry’s cybersecurity curriculum is acknowledged and verified as an approved provider by the National Initiative for Cybersecurity Careers and Studies. Students successfully completing this program in the March 2026 session and thereafter are issued a certificate of achievement signifying completion of a program with National Center of Academic Excellence in Cyber Defense (CAE-CD) designation. The certificate also indicates the curriculum meets rigorous standards for cybersecurity education and the student has completed all coursework needed to meet those standards.

More information is available in the Accreditation and Authorization section.

Program Alignment

AI-Infused Technology Foundations

This program offers technology courses that build interdisciplinary skills for today's AI-driven digital world. Learners gain hands-on experience with devices, computing, networks, cloud services and security while exploring the integration and automation that power the Internet of Things. The curriculum emphasizes responsible and ethical workplace practices, adaptability to emerging innovations, and immersive applications of AI and machine learning across industry.

Program Educational Objectives

This program is designed to produce graduates who are able to:
1. Create strategies to secure networks, mitigate risks, and protect information assets.
2. Implement, validate, and update security infrastructure and measures.
3. Apply and manage information assurance policies, while upholding ethical, legal and regulatory guidelines.

Credential

Undergraduate Certificate in Cyber Security

Minimum Credit Hours Required for Completion

40

Time to Complete (Assumes student remains on selected schedule)

- **Normal time to complete:** 1 year, 6 months, assuming enrollment in 2 semesters per 12-month period
- **Minimum time to complete:** 1 year, 2 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

4, assuming enrollment in 7-13 credit hours per semester

Graduation Requirements

Complete all of the following

Tech Foundations - 22 credit hours required

- MATH114 Algebra for College Students (4)
- NETW191 Fundamentals of Information Technology and Networking (3)
- NETW212 Introduction to Cloud Computing (3)
- SIS110 Operating Systems Basics (3)
- TECH101 Technology Fundamentals (3)
- TECH110 Coding and Scripting (3)
- TECH112 AI in Industry (3)

Program Focus - 18 credit hours required

- CEIS298 Introduction to Technical Project Management (1)
- SEC285 Fundamentals of Information System Security (3)
- SEC305 Cybersecurity and Data Privacy (4)
- SEC322 Penetration Testing (3)
- SEC380 Cloud Computing Security (4)
- SIS180 Introduction to Machine Learning and Artificial Intelligence (3)

Program Notes

Students who complete this certificate program can apply eligible coursework to certain DeVry degree programs. Restrictions may apply. More information is available in the Stackable Programs section.

Students who successfully complete certain courses are eligible to earn a digital badge for the course. Visit the Skills Coursework and Badges section.

Credits and degrees earned from DeVry do not automatically qualify the holder to participate in professional certification or licensure exams. DeVry does not guarantee graduates will successfully pass such exams.

Employment Positions

Employment positions determined to be in field for graduates of the Undergraduate Certificate program in Cyber Security include Information Security Analysts (15-1212.00), Computer User Support Specialists (15-1232.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the Cyber Security undergraduate certificate program web page.

Cybersecurity & Networking Associate Degree Program

Program Description

DeVry's Cybersecurity & Networking associate degree program focuses on helping students gain skills needed to implement, maintain and update secure network infrastructures and environments for an organization. Coursework examines layout, implementation and management of interconnected computing devices, peripherals and associated software to maximize network efficiency and productivity. Students apply this knowledge to learn how to identify vulnerabilities in networks, software and devices, as well as how to protect them from cyberattack.

Programmatic Accreditation / Recognition

Students in the Cybersecurity & Networking associate degree program should note that DeVry's cybersecurity curriculum is acknowledged and verified as an approved provider by the National Initiative for Cybersecurity Careers and Studies.

More information is available in the Accreditation and Authorizations section.

Program Alignment

AI-Infused Technology Foundations

This program offers technology courses that build interdisciplinary skills for today's AI-driven digital world. Learners gain hands-on experience with devices, computing, networks, cloud services and security while exploring the integration and automation that power the Internet of Things. The curriculum emphasizes responsible and ethical workplace practices, adaptability to emerging innovations, and immersive applications of AI and machine learning across industry.

Program Educational Objectives

Program educational objectives (PEOs) are broad statements that describe the skills graduates are expected to attain within a few years of graduation. PEOs are based on the needs of the program's constituents and are a requirement of Computing Accreditation Commission (CAC) of ABET accreditation. The program's PEOs are:

1. Support and maintain an organization's infrastructure from cyberattack.
2. Communicate and collaborate effectively with individuals, teams and artificial intelligence (AI).
3. Exercise critical and systemic thinking, as well as ethical responsibility in solving professional challenges.
4. Remain abreast of developments in technology and society.

Student Outcomes

Student outcomes are the skills and abilities students are expected to demonstrate at graduation. These relate to the skills, knowledge, and behaviors that students acquire as they progress through the program. These outcomes map directly to the current Student Outcome Criteria prescribed by CAC of ABET. The program is designed to produce graduates who are able to:
1. Analyze a broadly defined problem in the program's domain and apply principles of the discipline to identify solutions.
2. Design and implement solutions to meet a given set of computing requirements in the context of the program's discipline.
3. Communicate effectively in a variety of professional contexts.
4. Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
5. Function effectively as a member of a team engaged in activities appropriate to the program's discipline.
6. Apply security principles and practices to maintain operations in the presence of risks and threats.

Credential

Associate of Applied Science in Cybersecurity and Networking

State-Specific Credential

In New York, Associate in Applied Science in Cybersecurity and Networking

Minimum Credit Hours Required for Completion

62

Time to Complete (Assumes student remains on selected schedule)

- **Normal time to complete:** 2 years, assuming enrollment in 2 semesters per 12-month period
- **Minimum time to complete:** 1 year, 4 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

4 full time, assuming enrollment in 14-17 credit hours per semester; enrollment in additional credit hours may be needed in some semesters

Graduation Requirements

Complete all of the following

Communication Skills - 7 credit hours required

- ENGL112 Composition (4)
- SPCH275 Public Speaking (3)

Humanities - 3 credit hours required

- ETHC232 Ethical and Legal Issues in the Professions (3)

Social Sciences - 3 credit hours required

- SOCS185 Culture and Society (3)

Mathematics and Natural Sciences - 8 credit hours required

- MATH114 Algebra for College Students (4)
- TECH204 Everyday Physics (4)

Tech Foundations - 18 credit hours required

- NETW191 Fundamentals of Information Technology and Networking (3)
- NETW212 Introduction to Cloud Computing (3)
- SIS110 Operating Systems Basics (3)
- TECH101 Technology Fundamentals (3)
- TECH110 Coding and Scripting (3)
- TECH112 AI in Industry (3)

Program Focus - 20 credit hours required

Complete all of the following

- SEC285 Fundamentals of Information System Security (3)
- SEC290 Fundamentals of Infrastructure Security (3)
- SEC305 Cybersecurity and Data Privacy (4)
- SEC322 Penetration Testing (3)
- SIS180 Introduction to Machine Learning and Artificial Intelligence (3)

Complete 1 of the following:

- SEC335 Incident Response and Digital Forensics (4)
- SEC380 Cloud Computing Security (4)

Career Preparation - 3 credit hours required

- TECH305 Technology Career Development (3)

State-Specific Variances

New Jersey: Students enrolled at a New Jersey location must take 65 minimum credits by taking an additional three semester-credit hours of general education coursework from among the following course areas: Communication Skills, Humanities, Social Sciences, and Mathematics and Natural Sciences.

DeVry University is in the re-licensure process in New Jersey.

Program Notes

Students who complete this associate degree program can apply eligible coursework to certain DeVry bachelor's degree programs. Restrictions may apply. More information is available in the Stackable Programs section.

Students who successfully complete certain courses are eligible to earn a digital badge for the course. Visit the Skills Coursework and Badges section.

Employment Positions

Employment positions determined to be in field for graduates of the Associate of Applied Science in Cybersecurity & Networking degree program include Computer Network Support Specialists (15-1231.00). This position is used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the associate degree program inCybersecurity & Networking web page.

Cybersecurity & Networking Bachelor's Degree Program

Program Description

DeVry's Bachelor of Science in Cybersecurity & Networking program is designed to prepare students to leverage technology to support and protect organizations. The program addresses designing, implementing, securing and managing networks and information technology (IT) infrastructure. Coursework provides a technical foundation in IT and builds toward more advanced topics, such as penetration testing and ethical hacking, as well as strategic applications, such as cybersecurity architecture, cloud security, and cyber and network operations management.

Programmatic Accreditation / Recognition

Students in the Cybersecurity & Networking bachelor's degree program should note that DeVry's cybersecurity curriculum is acknowledged and verified as an approved provider by the National Initiative for Cybersecurity Careers and Studies.

More information is available in the Accreditation and Authorization section.

Program Alignment

Preparing AI-Armed Cyber Defenders

This program is designed to address the need for cybersecurity professionals armed with an AI skillset, such as those working as penetration testers, incident responders and information security analysts. Learners develop expertise necessary to keep pace with rapidly evolving technologies through a combination of instruction and practical, applications-oriented experience. With focused instruction in generative AI, agentic systems and machine learning, the curriculum helps graduates understand core AI concepts and their application to effectively secure systems.

Career development strategies are integrated throughout the program. Coursework is aligned to the NIST cybersecurity framework and leading industry certifications from CompTIA, EC Council, GIAC, ISACA and ISC2. Students gain hands-on experience with cyber tools, platforms and a cyber range to build practical skills and industry-ready competence. Opportunities to participate in industry-focused student organizations and cybersecurity competitions are available.

Program Educational Objectives

Program educational objectives (PEOs) are broad statements that describe the skills graduates are expected to attain within a few years of graduation. PEOs are based on the needs of the program's constituents and are a requirement of CAC of ABET accreditation. The program's PEOs are:

1. Support successful design, development and testing of cybersecurity solutions.
2. Communicate and collaborate effectively with individuals, teams and artificial intelligence (AI).
3. Exercise critical and systemic thinking, as well as ethical responsibility, in solving professional challenges.
4. Contribute to society through a chosen field.
5. Remain abreast of developments in technology and society.

Student Outcomes

Student outcomes are the skills and abilities students are expected to demonstrate at graduation. These relate to the skills, knowledge, and behaviors that students acquire as they progress through the program. These outcomes map directly to the current Student Outcome Criteria prescribed by CAC of ABET. The program is designed to produce graduates who are able to:

1. Analyze a complex computing problem and apply principles of computing and other relevant disciplines to identify solutions.
2. Design, implement and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
3. Communicate effectively in a variety of professional contexts.
4. Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
5. Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.
6. Apply security principles and practices to maintain operations in the presence of risks and threats.

Credential

Bachelor of Science in Cybersecurity and Networking

State-Specific Credential

In New York, Bachelor of Professional Studies in Cybersecurity and Networking

Minimum Credit Hours Required for Completion

124

Time to Complete (Assumes student remains on selected schedule)

- **Normal time to complete:** 4 years, assuming enrollment in 2 semesters per 12-month period
- **Minimum time to complete:** 2 years, 8 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

8 full time, assuming enrollment in 12-18 credit hours per semester; enrollment in additional credit hours may be needed in some semesters

Graduation Requirements

Complete all of the following

Communication Skills - 15 credit hours required
- ENGL112 Composition (4)
- ENGL135 Advanced Composition (4)
- ENGL216 Technical Writing (4)
- SPCH275 Public Speaking (3)

Humanities - 6 credit hours required
- ETHC232 Ethical and Legal Issues in the Professions (3)
- LAS432 Technology, Society, and Culture (3)

Social Sciences - 9 credit hours required
- ECON312 Principles of Economics (3)
- SOCS185 Culture and Society (3)
- SOCS325 Environmental Sociology (3)

Mathematics and Natural Sciences - 15 credit hours required
- MATH114 Algebra for College Students (4)
- MATH234 Discrete Math in Information Technology (4)
- TECH204 Everyday Physics (4)
- TECH220 Data-Driven Decision-Making (3)

Tech Foundations - 18 credit hours required
- NETW191 Fundamentals of Information Technology and Networking (3)
- NETW212 Introduction to Cloud Computing (3)
- SIS110 Operating Systems Basics (3)
- TECH101 Technology Fundamentals (3)
- TECH110 Coding and Scripting (3)
- TECH112 AI in Industry (3)

Program Focus - 43 credit hours required

- NETW260 Intermediate Information Technology & Networking I (3)
- NETW270 Intermediate Information Technology & Networking II (3)
- NETW314 Cloud Computing (3)
- SEC285 Fundamentals of Information System Security (3)
- SEC290 Fundamentals of Infrastructure Security (3)
- SEC305 Cybersecurity and Data Privacy (4)
- SEC313 Applied AI for Cybersecurity (3)
- SEC322 Penetration Testing (3)
- SEC335 Incident Response and Digital Forensics (4)
- SEC380 Cloud Computing Security (4)
- SEC395 Cybersecurity Architecture and Engineering (3)
- SEC455 Security Operations Center (4)
- SIS180 Introduction to Machine Learning and Artificial Intelligence (3)

Career Preparation - 9 credit hours required

- TECH305 Technology Career Development (3)
- TECH440 Technical Project Management (3)
- TECH460 Senior Project (3)

Technical Electives - 9 credit hours required

Students select courses from those with prefixes CEIS, CIS, ECT, MGMT, NETW, PROJ, SEC, SIS, TECH and WEB provided prerequisites are met. Courses must be at the 300-level or higher. Courses within other Colleges may be applied with permission from the appropriate academic administrator.

To satisfy the Technical Electives course area requirement, students who meet eligibility requirements may take the following graduate-level courses offered by the University's Keller Graduate School of Management. Eligibility requirements are outlined in the Course-Related Requirements section. Credits earned for each course also satisfy credit-hour requirements within certain Keller master's degree and graduate certificate programs. Additional information is available from student support advisors and in the Keller Graduate School of Management academic catalog.

- HRM587G Managing Organizational Change (3)
- LEAD570G Leadership in the Age of AI (3)
- MIS540G Innovation Through Technology (3)
- MIS548G AI Applications for Business (3)

State-Specific Variances

New Jersey: Students enrolled at a New Jersey location must take a total of 127 credits by taking an additional three semester-credit hours of general education coursework within these course areas: Communication Skills, Humanities, Social Sciences, and Mathematics and Natural Sciences. Humanities and Social Sciences courses selected should be upper-division coursework (DeVry courses numbered 300-499).

DeVry University is in the re-licensure process in New Jersey.

Program Notes

Students who successfully complete certain courses are eligible to earn a digital badge for the course. Visit the Skills Coursework and Badges section.

Employment Positions

Employment positions determined to be in field for graduates of the Bachelor of Science in Cybersecurity & Networking degree program include Information Security Analyst (15-1212.00). This position is used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the bachelor's degree program in Cybersecurity & Networking web page.

Engineering Technology Associate Degree Program

Program Description

DeVry's associate degree program in Engineering Technology delivers foundational knowledge and hands-on experience in the test, measurement and implementation of secured digital systems and devices. Coursework includes instruction in information technology, programming, controls and automation, as well as in digital systems and security. The program offers focused areas of study as shown in the program outline.

Programmatic Accreditation / Recognition

The Associate of Applied Science in Engineering Technology is accredited by the Engineering Technology Accreditation Commission of ABET, under the commission's General Criteria with no applicable program criteria.

More information is available in the Accreditation and Authorization section.

Program Alignment

AI-Infused Technology Foundations

This program offers technology courses that build interdisciplinary skills for today's AI-driven digital world. Learners gain hands-on experience with devices, computing, networks, cloud services and security while exploring the integration and automation that power the Internet of Things. The curriculum emphasizes responsible and ethical workplace practices, adaptability to emerging innovations, and immersive applications of AI and machine learning across industry.

Program Educational Objectives

Program educational objectives (PEOs) are broad statements that describe the skills graduates are expected to attain within a few years of graduation. PEOs are based on the needs of the program's constituents and are a requirement of ETAC of ABET accreditation. The program's PEOs are:
1. Successfully support maintenance, installation, testing, and securing of automated, computer-based and/or distributed systems.
2. Communicate and collaborate effectively with individuals, teams and artificial intelligence (AI).
3. Exercise critical and systemic thinking, as well as ethical responsibility in solving professional challenges.
4. Remain abreast of developments in technology and society.

Student Outcomes

Student outcomes are the skills and abilities students are expected to demonstrate at graduation. These relate to the skills, knowledge, and behaviors that students acquire as they progress through the program. These outcomes map directly to the current Student Outcome Criteria prescribed by ETAC of ABET. The program is designed to produce graduates who are able to:
1. Apply knowledge, techniques, skills and modern tools of mathematics, science, engineering and technology to solve well-defined engineering problems appropriate to the discipline.
2. Design solutions for well-defined technical problems, and assist with the engineering design of systems, components or processes appropriate to the discipline.
3. Apply written, oral and graphical communication in well-defined technical and nontechnical environments, and an ability to identify and use appropriate technical literature.
4. Conduct standard tests, measurements and experiments, and analyze and interpret results.
5. Function effectively as a member of a technical team.

Credential

Associate of Applied Science in Engineering Technology

Minimum Credit Hours Required for Completion

64

Time to Complete (Assumes student remains on selected schedule)

- **Normal time to complete:** 2 years, assuming enrollment in 2 semesters per 12-month period

- **Minimum time to complete:** 1 year, 4 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

4 full time, assuming enrollment in 15-17 credit hours per semester; enrollment in additional credit hours may be needed in some semesters

Graduation Requirements

Complete all of the following

Communication Skills - 7 credit hours required
- ENGL112 Composition (4)
- SPCH275 Public Speaking (3)

Humanities - 3 credit hours required
- ETHC232 Ethical and Legal Issues in the Professions (3)

Social Sciences - 3 credit hours required
- SOCS185 Culture and Society (3)

Mathematics and Natural Sciences - 8 credit hours required
- MATH114 Algebra for College Students (4)
- TECH204 Everyday Physics (4)

Tech Foundations - 15 credit hours required
- SIS110 Operating Systems Basics (3)
- TECH101 Technology Fundamentals (3)
- TECH110 Coding and Scripting (3)
- TECH112 AI in Industry (3)
- TECH114 Connected Digital Devices (3)

Program Focus - 15 credit hours required
Complete all of the following

- ECT226 Electronic Device and System Foundations (3)
- ECT286 Automation and Control (3)

Complete 3 of the following:
- CEIS490 Ecosystem of The Internet of Things (3)
- ECT260 Manufacturing Techniques (3)
- ECT308 Introduction to Computer-Aided Design (3)
- ECT313 Generative Design (3)
- ECT315 Industrial IoT (3)
- ECT320 Manufacturing Processes and Systems (3)
- ECT325 Electromechanical Systems (3)
- SIS180 Introduction to Machine Learning and Artificial Intelligence (3)

Career Preparation - 3 credit hours required
- TECH305 Technology Career Development (3)

Specialization - Select 1 option - 10 credit hours required
Visit the Specializations section below for options and associated course requirements.

Program Notes

Students who complete this associate degree program can apply eligible coursework to certain DeVry bachelor’s degree programs. Restrictions may apply. More information is available in the Stackable Programs section.

Students who successfully complete certain courses are eligible to earn a digital badge for the course. Visit the Skills Coursework and Badges section.

Employment Positions

Employment positions determined to be in field for graduates of the Associate of Applied Science in Engineering Technology degree program include Electrical and Electronic Engineering Technologists and Technicians (17-3023.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the associate degree program inEngineering Technology web page.

Engineering Technology Associate Degree Program - General Option

Graduation Requirements

General Option - 10 credit hours required
Students select applicable courses from the College of Engineering & Information Sciences and College of Business & Management provided prerequisites are met. Courses within other Colleges may be applied with permission from the appropriate academic administrator.

Engineering Technology Associate Degree Program - Machine Learning and Design Techniques

Graduation Requirements

Machine Learning and Design Techniques - 10 credit hours required
Complete all of the following

- TECH221 Data-Driven Decision-Making (4)

Complete 2 of the following:

- ECT313 Generative Design (3)
- TECH231 Introduction to Artificial Intelligence Applications (3)
- TECH301 Design of Experiments (3)
- TECH310 Process Improvement (3)
- TECH350 Quantum Technologies (3)

Notes

Students choosing to complete ECT313 within the Machine Learning and Design Techniques Option must take ECT308 as part of the Program Focus course area.

Engineering Technology Associate Degree Program - Medical Technology and Healthcare Systems

Graduation Requirements

Medical Technology and Healthcare Systems - 10 credit hours required
Complete all of the following

- BIOS105 Fundamentals of Human Anatomy and Physiology (4)

Complete 2 of the following:

- BMET314 Medical Instrumentation (3)
- BMET316 Medical Imaging Technology (3)
- BMET318 Telemedicine (3)

Engineering Technology Associate Degree Program - Renewable Energy and Sustainable Power

Graduation Requirements

Renewable Energy and Sustainable Power - 10 credit hours required
Complete all of the following

- TECH215 Introduction to Sustainability (4)

Complete 2 of the following:

- REET302 Introduction to Alternative Energy Technologies (3)
- REET322 Power Electronics and Alternative Energy Applications (3)
- REET326 Electric Machines and Power Systems (3)

Engineering Technology Bachelor’s Degree Program

Program Description

DeVry’s Engineering Technology bachelor’s degree program prepares students to use basic engineering principles in the application and execution of systems, processes and technical operations. Students study automation, process improvement, project management, computer-aided design, machine learning and artificial intelligence (AI) as applied to industrial processes, healthcare systems, transportation of goods, electrical power delivery and more. In addition to completing core technical coursework, students select from a wide range of technical and business courses to augment and focus their program on their career goals.

Programmatic Accreditation / Recognition

The Bachelor of Science in Engineering Technology is accredited by the Engineering Technology Accreditation Commission of ABET, under the commission's General Criteria with no applicable program criteria.

More information is available in the Accreditation and Authorization section.

Program Alignment

Creating Technical Innovators in the Age of AI

This program is designed to prepare AI-skilled professionals for careers in product development, advanced manufacturing and industrial systems. Students gain hands-on experience in generative AI, agentic systems and machine learning, applying these technologies to product innovation, process improvement and technical project management. Drawing on a curriculum focused on adaptability, ethical responsibility and industry alignment, graduates are ready to excel in the AI-driven workplace.

Career development strategies are integrated throughout the program to prepare students for success in technical fields. The curriculum aligns with certifications from the International Association for Six Sigma Certification, Autodesk and the Smart Automation Certification Alliance. Coursework emphasizes experiential learning with engineering tools and platforms that help students develop practical skills directly applicable to automation and intelligent systems. The program also provides students with opportunities to participate in industry-centered organizations and certification-preparation activities.

Program Educational Objectives

Program educational objectives (PEOs) are broad statements that describe the skills graduates are expected to attain within a few years of graduation. PEOs are based on the needs of the program's constituents and are a requirement of ETAC of ABET accreditation. The program's program PEOs are:

1. Support successful design, development, testing, and securing of technology-based systems.
2. Communicate and collaborate effectively with individuals, teams and artificial intelligence (AI).
3. Exercise critical and systemic thinking, as well as ethical responsibility, in solving professional challenges.
4. Contribute to society through a chosen field.
5. Remain abreast of developments in technology and society.

Student Outcomes

Student outcomes are the skills and abilities students are expected to demonstrate at graduation. These relate to the skills, knowledge, and behaviors that students acquire as they progress through the program. These outcomes map directly to the current Student Outcome Criteria prescribed by ETAC of ABET. The program is designed to produce graduates who are able to:

1. Apply knowledge, techniques, skills and modern tools of mathematics, science, engineering and technology to solve broadly defined engineering problems appropriate to the discipline.
2. Design systems, components or processes meeting specified needs for broadly defined engineering problems appropriate to the discipline.
3. Apply written, oral and graphical communication in broadly defined technical and nontechnical environments, and an ability to identify and use appropriate technical literature.
4. Conduct standard tests, measurements and experiments, and analyze and interpret results to improve processes.
5. Function effectively as a member as well as a leader of technical teams.

Credential

Bachelor of Science in Engineering Technology

Minimum Credit Hours Required for Completion

126

Time to Complete (Assumes student remains on selected schedule)

o **Normal time to complete:** 4 years, assuming enrollment in 2 semesters per 12-month period

o **Minimum time to complete:** 2 years, 8 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

8 full time, assuming enrollment in 12-18 credit hours per semester; enrollment in additional credit hours may be needed in some semesters

Graduation Requirements

Complete all of the following

Communication Skills - 15 credit hours required
- ENGL112 Composition (4)
- ENGL135 Advanced Composition (4)
- ENGL216 Technical Writing (4)
- SPCH275 Public Speaking (3)

Humanities - 6 credit hours required
- ETHC232 Ethical and Legal Issues in the Professions (3)
- LAS432 Technology, Society, and Culture (3)

Social Sciences - 9 credit hours required
- ECON312 Principles of Economics (3)
- SOCS185 Culture and Society (3)
- SOCS325 Environmental Sociology (3)

Mathematics and Natural Sciences - 27 credit hours required
- ECT345 Signals and Systems (4)
- MATH114 Algebra for College Students (4)
- MATH190 Pre-Calculus (4)
- MATH265 Applied Calculus (4)
- TECH204 Everyday Physics (4)
- TECH221 Data-Driven Decision-Making (4)
- TECH301 Design of Experiments (3)

Tech Foundations - 15 credit hours required
- SIS110 Operating Systems Basics (3)
- TECH101 Technology Fundamentals (3)
- TECH110 Coding and Scripting (3)
- TECH112 AI in Industry (3)
- TECH114 Connected Digital Devices (3)

Program Focus - 27 credit hours required

Complete all of the following

- ECT226 Electronic Device and System Foundations (3)
- ECT286 Automation and Control (3)
- ECT308 Introduction to Computer-Aided Design (3)
- SIS180 Introduction to Machine Learning and Artificial Intelligence (3)
- TECH231 Introduction to Artificial Intelligence Applications (3)
- TECH310 Process Improvement (3)

Complete 3 of the following:

- CEIS490 Ecosystem of The Internet of Things (3)
- ECT260 Manufacturing Techniques (3)
- ECT313 Generative Design (3)
- ECT315 Industrial IoT (3)
- ECT320 Manufacturing Processes and Systems (3)
- ECT325 Electromechanical Systems (3)
- TECH350 Quantum Technologies (3)

Career Preparation - 14 credit hours required

- CEIS298 Introduction to Technical Project Management (1)
- MGMT404 Project Management (4)
- MGMT408 Management of Technology Resources (3)
- TECH305 Technology Career Development (3)
- TECH460 Senior Project (3)

Technical and Business Selection – 13 credit hours required

Students select applicable courses from the College of Engineering & Information Sciences and College of Business & Management provided prerequisites are met. At least two courses must be at the 300-level or higher. Courses within other Colleges may be applied with permission from the appropriate academic administrator.

Program Notes

Students who successfully complete certain courses are eligible to earn a digital badge for the course. Visit the Skills Coursework and Badges section.

Employment Positions

Employment positions determined to be in field for graduates of the Bachelor of Science in Engineering Technology degree program include Electrical and Electronic Engineering Technologists and Technicians (17-3023.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the bachelor’s degree program in Engineering Technology web page.

Engineering Technology Certificate Program

Program Description

DeVry's Engineering Technology undergraduate certificate program provides students with foundational knowledge and readily marketable skills for entry-level positions in a variety of technical fields. The curriculum includes information technology essentials, which are complemented by technical coursework applicable to many disciplines. Students also explore system automation. The program offers focused areas of study, as shown in the program outline.

Program Alignment

AI-Infused Technology Foundations

This program offers technology courses that build interdisciplinary skills for today's AI-driven digital world. Learners gain hands-on experience with devices, computing, networks, cloud services and security while exploring the integration and automation that power the Internet of Things. The curriculum emphasizes responsible and ethical workplace practices, adaptability to emerging innovations, and immersive applications of AI and machine learning across industry.

Program Educational Objectives

The program is designed to produce graduates who are able to:
1. Understand how to connect and integrate systems with automation and control.
2. Conduct, analyze, and interpret results of standard tests, measurements, and experimentation relevant to the field.
3. Apply principles of technology in the building, testing, operation, and maintenance of distributed systems.

Credential

Undergraduate Certificate in Engineering Technology

Minimum Credit Hours Required for Completion

39

Time to Complete (Assumes student remains on selected schedule)

- **Normal time to complete**: 1 year, 4 months, assuming enrollment in 2 semesters per 12-month period
- **Minimum time to complete:** 12 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

3 full time, assuming enrollment in 13 credit hours per semester

Graduation Requirements

Complete all of the following

Tech Foundations - 16 credit hours required

- MATH114 Algebra for College Students (4)
- TECH101 Technology Fundamentals (3)
- TECH110 Coding and Scripting (3)
- TECH112 AI in Industry (3)
- TECH114 Connected Digital Devices (3)

Program Focus - 13 credit hours required
Complete all of the following

- CEIS298 Introduction to Technical Project Management (1)
- ECT226 Electronic Device and System Foundations (3)
- ECT286 Automation and Control (3)

Complete 2 of the following:

- CEIS490 Ecosystem of The Internet of Things (3)
- ECT260 Manufacturing Techniques (3)
- ECT308 Introduction to Computer-Aided Design (3)
- ECT313 Generative Design (3)
- ECT315 Industrial IoT (3)
- ECT320 Manufacturing Processes and Systems (3)
- ECT325 Electromechanical Systems (3)
- SIS180 Introduction to Machine Learning and Artificial Intelligence (3)

Option - Select 1 option - 10 credit hours required
Visit the Specializations section below for options and associated course requirements.

Program Notes

Students who complete this certificate program can apply eligible coursework to certain DeVry degree programs. Restrictions may apply. More information is available in the Stackable Programs section.

Students who successfully complete certain courses are eligible to earn a digital badge for the course. Visit the Skills Coursework and Badges section.

Credits and degrees earned from DeVry do not automatically qualify the holder to participate in professional certification or licensure exams. DeVry does not guarantee graduates will successfully pass such exams.

Employment Positions

Employment positions determined to be in field for graduates of the Undergraduate Certificate program in Engineering Technology include Electrical and Electronic Engineering Technologists and Technicians (17-3023.00), Electro-Mechanical and Mechatronics Technologists and Technicians (17-3024.00), Industrial Engineering Technologists and Technicians (17-3026.00), Engineering Technologist and Technicians, Except Drafters, All Other (17-3029.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the Engineering Technology undergraduate certificate program web page.

Engineering Technology Certificate Program - General Option

Graduation Requirements

General Option - 10 credit hours required
Students select applicable courses from the College of Engineering & Information Sciences and College of Business & Management provided prerequisites are met. Courses within other Colleges may be applied with permission from the appropriate academic administrator.

Engineering Technology Certificate Program - Machine Learning and Design Techniques

Graduation Requirements

Machine Learning and Design Techniques – 10 credit hours required
Complete all of the following

- TECH221 Data-Driven Decision-Making (4)

Complete 2 of the following:

- ECT313 Generative Design (3)
- TECH231 Introduction to Artificial Intelligence Applications (3)
- TECH310 Process Improvement (3)

Notes

Students choosing to complete ECT313 within the Machine Learning and Design Techniques Option must take ECT308 as part of the Program Focus course area.

Engineering Technology Certificate Program - Medical Technology and Healthcare Systems

Graduation Requirements

Medical Technology and Healthcare Systems - 10 credit hours required
Complete all of the following

- BIOS105 Fundamentals of Human Anatomy and Physiology (4)

Complete 2 of the following:

- BMET314 Medical Instrumentation (3)
- BMET316 Medical Imaging Technology (3)
- BMET318 Telemedicine (3)

Engineering Technology Certificate Program - Renewable Energy and Sustainable Power

Graduation Requirements

Renewable Energy and Sustainable Power – 10 credit hours required
Complete all of the following

- TECH215 Introduction to Sustainability (4)

Complete 2 of the following:

- REET302 Introduction to Alternative Energy Technologies (3)
- REET322 Power Electronics and Alternative Energy Applications (3)
- REET326 Electric Machines and Power Systems (3)

Information Technology Essentials Certificate Program

Program Description

DeVry’s Information Technology Essentials undergraduate certificate program provides students with a background in major topics of information systems that drive computing and information technology today. A basic introduction to computer hardware, network functionality, software utility and information security is provided.

Program Alignment

AI-Infused Technology Foundations

This program offers technology courses that build interdisciplinary skills for today’s AI-driven digital world. Learners gain hands-on experience with devices, computing, networks, cloud services and security while exploring the integration and automation that power the Internet of Things. The curriculum emphasizes responsible and ethical workplace practices, adaptability to emerging innovations, and immersive applications of AI and machine learning across industry.

Program Educational Objectives

This program is designed to produce graduates who are able to:
1. Develop working knowledge of how computing systems operate.
2. Identify common security threats and vulnerabilities in computing systems.
3. Apply skills and procedures to install, configure, and troubleshoot computing systems.

Credential

Undergraduate Certificate in Information Technology Essentials

Minimum Credit Hours Required for Completion

23

Time to Complete (Assumes student remains on selected schedule)

o **Normal time to complete:** 1 year, 2 months, assuming enrollment in 2 semesters per 12-month period

o **Minimum time to complete:** 8 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

3, assuming enrollment in 4-13 credit hours per semester

Graduation Requirements

Program Focus - 23 credit hours required
Complete all of the following

- CEIS298 Introduction to Technical Project Management (1)
- MATH114 Algebra for College Students (4)
- NETW212 Introduction to Cloud Computing (3)
- SIS110 Operating Systems Basics (3)
- TECH101 Technology Fundamentals (3)
- TECH110 Coding and Scripting (3)
- TECH112 AI in Industry (3)

Complete 1 of the following:

- NETW191 Fundamentals of Information Technology and Networking (3)
- SIS180 Introduction to Machine Learning and Artificial Intelligence (3)
- TECH114 Connected Digital Devices (3)

Program Notes

Credits and degrees earned from DeVry do not automatically qualify the holder to participate in professional certification or licensure exams. DeVry does not guarantee graduates will successfully pass such exams.

Students who successfully complete SIS180, TECH110 and/or TECH112 are eligible to earn a digital badge for the course. Visit the Skills Coursework and Badges section.

Students who complete this certificate program can apply eligible coursework to certain DeVry degree programs. Restrictions may apply. More information is available in the Stackable Programs section.

Employment Positions

Employment positions determined to be in field for graduates of the Undergraduate Certificate program in Information Technology Essentials include Computer User Support Specialists (15-1232.00), Computer System Analysts (15-1211.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit theInformation Technology Essentials undergraduate certificate program web page.

Information Technology & Networking Associate Degree Program

Program Description

DeVry’s Information Technology & Networking associate degree program provides students with a background in essential technologies as applied to practical business and industry situations. The program addresses installing, configuring and securing information technology, computing and/or automated systems. The program offers tracks as shown in the following program outline. Students who have not chosen an area of specialization may begin the program in “Undeclared” status; however, they must select a track by the time they have earned 30 semester-credit hours toward their degree.

Programmatic Accreditation / Recognition

The Associate of Applied Science in Information Technology and Networking is accredited by the Computing Accreditation Commission of ABET, under the commission's General Criteria and Program Criteria for Associate Information Technology and Similarly Named Computing Programs.

More information is available in the Accreditation and Authorization section.

Program Alignment

AI-Infused Technology Foundations

This program offers technology courses that build interdisciplinary skills for today's AI-driven digital world. Learners gain hands-on experience with devices, computing, networks, cloud services and security while exploring the integration and automation that power the Internet of Things. The curriculum emphasizes responsible and ethical workplace practices, adaptability to emerging innovations, and immersive applications of AI and machine learning across industry.

Program Educational Objectives

Program educational objectives (PEOs) are broad statements that describe the skills graduates are expected to attain within a few years of graduation. PEOs are based on the needs of the program's constituents and are a requirement of CAC of ABET accreditation. The program's PEOs are:
1. Successfully support maintenance, installation and testing of information technology, computing, and/or automated systems.
2. Communicate and collaborate effectively with individuals, teams and artificial intelligence (AI).
3. Exercise critical and systemic thinking, as well as ethical responsibility in solving professional challenges.
4. Remain abreast of developments in technology and society.

Student Outcomes

Student outcomes are the skills and abilities students are expected to demonstrate at graduation. These relate to the skills, knowledge, and behaviors that students acquire as they progress through the program. These outcomes map directly to the current Student Outcome Criteria prescribed by CAC of ABET. The program is designed to produce graduates who are able to:
1. Analyze a broadly defined problem in the program's domain and apply principles of the discipline to identify solutions.
2. Design and implement solutions to meet a given set of computing requirements in the context of the program's discipline.
3. Communicate effectively in a variety of professional contexts.
4. Recognize professional responsibilities and make informed judgments in computing practice based on appropriate legal and ethical principles.
5. Function effectively as a member of a team engaged in activities appropriate to the program's discipline.

Credential

Associate of Applied Science in Information Technology and Networking

State-Specific Credential

In Florida, Associate of Science in Information Technology and Networking

Minimum Credit Hours Required for Completion

60

Time to Complete (Assumes student remains on selected schedule)

o **Normal time to complete:** 2 years, assuming enrollment in 2 semesters per 12-month period

o **Minimum time to complete:** 1 year, 4 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

4 full time, assuming enrollment in 12-17 credit hours per semester; enrollment in additional credit hours may be needed in some semesters

Graduation Requirements

Complete all of the following

Communication Skills - 7 credit hours required
- ENGL112 Composition (4)
- SPCH275 Public Speaking (3)

Humanities - 3 credit hours required
- ETHC232 Ethical and Legal Issues in the Professions (3)

Social Sciences - 3 credit hours required
- SOCS185 Culture and Society (3)

Mathematics and Natural Sciences - 8 credit hours required
- MATH114 Algebra for College Students (4)
- TECH204 Everyday Physics (4)

Tech Foundations - 21 credit hours required
- NETW191 Fundamentals of Information Technology and Networking (3)
- NETW212 Introduction to Cloud Computing (3)
- SIS110 Operating Systems Basics (3)
- TECH101 Technology Fundamentals (3)
- TECH110 Coding and Scripting (3)
- TECH112 AI in Industry (3)
- TECH114 Connected Digital Devices (3)

Career Preparation – 6 credit hours required
- SIS180 Introduction to Machine Learning and Artificial Intelligence (3)
- TECH305 Technology Career Development (3)

Track - Select 1 option - 12 credit hours required
Visit the Specializations section below for options and associated course requirements.

Program Notes

Students who complete this associate degree program can apply eligible coursework to certain DeVry bachelor's degree programs. Restrictions may apply. More information is available in the Stackable Programs section.

Students who successfully complete certain courses are eligible to earn a digital badge for the course. Visit the Skills Coursework and Badges section.

Credits and degrees earned from DeVry do not automatically qualify the holder to participate in professional certification or licensure exams. DeVry does not guarantee graduates will successfully pass such exams.

Employment Positions

Employment positions determined to be in field for graduates of the Associate of Applied Science in Information Technology and Networking (in Florida, Associate of Science in Information Technology and Networking) degree program include Computer Systems Analysts (15-1211.00), Computer Network Support Specialists (15-1231.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the associate degree program in Information Technology & Networking web page.

Information Technology & Networking Associate Degree Program - Automation and Electronic Systems

Graduation Requirements

Automation and Electronic Systems - 12 credit hours required

- CEIS490 Ecosystem of The Internet of Things (3)
- ECT286 Automation and Control (3)
- ECT315 Industrial IoT (3)
- NETW310 Wired, Optical and Wireless Communications with Lab (3)

Information Technology & Networking Associate Degree Program - Information Systems and Programming

Graduation Requirements

Information Systems and Programming - 12 credit hours required
Complete all of the following

- SIS150 Fundamentals of Programming (3)
- SIS230 Relational Databases (3)
- SIS240 Web Programming (3)

Complete 1 of the following:

- SIS250 General Application Programming (3)
- SIS320 Business Application Programming (3)

Information Technology & Networking Associate Degree Program - Network Systems Administration

Graduation Requirements

Network Systems Administration - 12 credit hours required

- NETW260 Intermediate Information Technology & Networking I (3)
- NETW270 Intermediate Information Technology & Networking II (3)
- NETW310 Wired, Optical and Wireless Communications with Lab (3)
- SEC285 Fundamentals of Information System Security (3)

Information Technology & Networking Bachelor's Degree Program

Program Description

DeVry's Information Technology & Networking bachelor's degree program provides students with techniques and tools needed to systematically analyze organizations' operational and communications needs, and to provide effective information processing and networking solutions. The program addresses design, implementation, security and support of information technology (IT) systems. The program offers tracks as shown in the Specializations section. Students who have not chosen an area of specialization may begin the program in "Undeclared" status; however, they must select a track by the time they have earned 60 semester-credit hours toward their degree.

Programmatic Accreditation / Recognition

The Bachelor of Science in Information Technology and Networking is accredited by the Computing Accreditation Commission of ABET, under the commission's General Criteria and Program Criteria for Information Technology and Similarly Named Computing Programs.

More information is available in the Accreditation and Authorization section.

Program Alignment

Developing AI-Ready IT Professionals

This program is designed to prepare AI-skilled IT professionals to support network management, cloud services and cyber secure systems. Learners build expertise to keep pace with rapidly evolving technologies through a combination of instruction and practical, hands-on experience. With focused instruction in generative AI, agentic systems and machine learning, the curriculum helps graduates understand AI concepts and their application in real-world IT scenarios.

Career development strategies are integrated throughout the program. The curriculum aligns to industry certifications from organizations including Cisco, CompTIA, Microsoft, Google and AWS. Courses incorporate IT tools and platforms, provide experiential learning, and are designed to help students develop industry competence in IT and networking. Students can participate in industry-centered student organizations and in certification-preparation activities.

Program Educational Objectives

Program educational objectives (PEOs) are broad statements that describe the skills graduates are expected to attain within a few years of graduation. PEOs are based on the needs of the program's constituents and are a requirement of CAC of ABET accreditation. The program's PEOs are:

1. Support successful design, development and testing of information technology systems.
2. Communicate and collaborate effectively with individuals, teams and artificial intelligence (AI).
3. Exercise critical and systemic thinking, as well as ethical responsibility, in solving professional challenges.
4. Contribute to society through a chosen field.
5. Remain abreast of developments in technology and society.

Student Outcomes

Student outcomes are the skills and abilities students are expected to demonstrate at graduation. These relate to the skills, knowledge, and behaviors that students acquire as they progress through the program. These outcomes map directly to the current Student Outcome Criteria prescribed by CAC of ABET. The program is designed to produce graduates who are able to:

1. Analyze a complex computing problem and apply principles of computing and other relevant disciplines to identify solutions.
2. Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
3. Communicate effectively in a variety of professional contexts.
4. Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
5. Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.
6. Use systematic approaches to select, develop, apply, integrate, and administer secure computing technologies to accomplish user goals.
7. Apply security principles and practices to maintain operations in the presence of risks and threats. (Cyber Security track only)

Credential

Bachelor of Science in Information Technology and Networking

Minimum Credit Hours Required for Completion

120

Time to Complete (Assumes student remains on selected schedule)

- **Normal time to complete:** 4 years, assuming enrollment in 2 semesters per 12-month period
- **Minimum time to complete:** 2 years, 8 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

8 full time, assuming enrollment in 12-18 credit hours per semester; enrollment in additional credit hours may be needed in some semesters

Graduation Requirements

Complete all of the following

Communication Skills - 15 credit hours required

- ENGL112 Composition (4)
- ENGL135 Advanced Composition (4)
- ENGL216 Technical Writing (4)
- SPCH275 Public Speaking (3)

Humanities - 6 credit hours required

- ETHC232 Ethical and Legal Issues in the Professions (3)
- LAS432 Technology, Society, and Culture (3)

Social Sciences - 9 credit hours required

- ECON312 Principles of Economics (3)
- SOCS185 Culture and Society (3)
- SOCS325 Environmental Sociology (3)

Mathematics and Natural Sciences - 16 credit hours required

- MATH114 Algebra for College Students (4)
- MATH234 Discrete Math in Information Technology (4)
- TECH204 Everyday Physics (4)
- TECH221 Data-Driven Decision-Making (4)

Tech Foundations - 21 credit hours required

- NETW191 Fundamentals of Information Technology and Networking (3)
- NETW212 Introduction to Cloud Computing (3)
- SIS110 Operating Systems Basics (3)
- TECH101 Technology Fundamentals (3)
- TECH110 Coding and Scripting (3)
- TECH112 AI in Industry (3)
- TECH114 Connected Digital Devices (3)

Program Focus - 31 credit hours required

- NETW260 Intermediate Information Technology & Networking I (3)
- NETW270 Intermediate Information Technology & Networking II (3)
- NETW310 Wired, Optical and Wireless Communications with Lab (3)
- NETW404 Data Center Virtualization (3)
- SEC285 Fundamentals of Information System Security (3)
- SEC290 Fundamentals of Infrastructure Security (3)
- SEC305 Cybersecurity and Data Privacy (4)
- SEC313 Applied AI for Cybersecurity (3)
- SIS180 Introduction to Machine Learning and Artificial Intelligence (3)
- SIS230 Relational Databases (3)

Career Preparation - 9 credit hours required

- TECH305 Technology Career Development (3)
- TECH440 Technical Project Management (3)
- TECH460 Senior Project (3)

Track - Select 1 option - Required credit hours vary by track

Visit the Specializations section below for options and associated credit hour and course requirements.

Program Notes

Students who successfully complete certain courses are eligible to earn a digital badge for the course. Visit the Skills Coursework and Badges section.

Credits and degrees earned from DeVry do not automatically qualify the holder to participate in professional certification or licensure exams. DeVry does not guarantee graduates will successfully pass such exams.

Employment Positions

Employment positions determined to be in field for graduates of the Bachelor of Science in Information Technology and Networking degree program include Computer Systems Analysts (15-1211.00), Information Security Analysts (15-1212.00), Computer Network Support Specialists (15-1231.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the bachelor's degree program in Information Technology & Networking web page.

Information Technology & Networking Bachelor's Degree Program - Cloud Based Networking and Virtualization

Graduation Requirements

Cloud Based Networking and Virtualization - 13 credit hours required
Complete all of the following

- NETW314 Cloud Computing (3)
- SEC380 Cloud Computing Security (4)

Complete 1 of the following:

- NETW350 Cloud Services (3)
- NETW351 Cloud Architecture (3)

Complete 1 of the following:

- NETW450 Cloud Development (3)
- NETW451 Cloud Operations (3)

Information Technology & Networking Bachelor’s Degree Program - Cyber Security

Graduation Requirements

Cyber Security - 14 credit hours required

- SEC322 Penetration Testing (3)
- SEC335 Incident Response and Digital Forensics (4)
- SEC395 Cybersecurity Architecture and Engineering (3)
- SEC455 Security Operations Center (4)

Programmatic Accreditation / Recognition

Students pursuing the Cyber Security track should note that DeVry’s cybersecurity curriculum is acknowledged and verified as an approved provider by the National Initiative for Cybersecurity Careers and Studies. Students successfully completing this program with the Cyber Security track are issued a certificate of achievement signifying completion of a program with CAE-CD designation. The certificate also indicates the curriculum meets rigorous standards for cybersecurity education and the student has completed all coursework needed to meet those standards.

Information Technology & Networking Bachelor’s Degree Program - Mobile and Networked Devices

Graduation Requirements

Mobile and Networked Devices - 13 credit hours required

- CEIS490 Ecosystem of The Internet of Things (3)
- ECT286 Automation and Control (3)
- ECT315 Industrial IoT (3)
- SEC380 Cloud Computing Security (4)

Internet of Things Certificate Program

Program Description

DeVry’s Internet of Things (IoT) undergraduate certificate program is designed to prepare students with knowledge and skills needed to integrate industrial and enterprise ventures with an IoT infrastructure facilitating connectivity between information technology (IT) systems and automation and control. The curriculum includes hands-on experience in implementing, configuring and managing IoT systems. Coursework also covers information security and mobile devices, security and risk identification, and industry standards and best practices as applied to IoT systems.

Program Alignment

AI-Infused Technology Foundations

This program offers technology courses that build interdisciplinary skills for today's AI-driven digital world. Learners gain hands-on experience with devices, computing, networks, cloud services and security while exploring the integration and automation that power the Internet of Things. The curriculum emphasizes responsible and ethical workplace practices, adaptability to emerging innovations, and immersive applications of AI and machine learning across industry.

Program Educational Objectives

The program is designed to produce graduates who are able to:
1. Develop basic network and device infrastructures to improve operations, increase safety and security, and streamline automation and industrial systems.
2. Build, implement and operate IoT systems.
3. Configure, deploy, and manage an IoT system including security threats and risk mitigation.

Credential

Undergraduate Certificate in Internet of Things

Minimum Credit Hours Required for Completion

40

Time to Complete (Assumes student remains on selected schedule)

- **Normal time to complete:** 2 years, assuming enrollment in 2 semesters per 12-month period
- **Minimum time to complete:** 1 year, 4 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

4, assuming enrollment in 9-12 credit hours per semester

Graduation Requirements

Complete all of the following

Tech Foundations - 28 credit hours required

- MATH114 Algebra for College Students (4)
- NETW191 Fundamentals of Information Technology and Networking (3)
- NETW212 Introduction to Cloud Computing (3)
- SIS110 Operating Systems Basics (3)
- SIS180 Introduction to Machine Learning and Artificial Intelligence (3)
- TECH101 Technology Fundamentals (3)
- TECH110 Coding and Scripting (3)
- TECH112 AI in Industry (3)
- TECH114 Connected Digital Devices (3)

Program Focus - 12 credit hours required

- CEIS490 Ecosystem of The Internet of Things (3)
- ECT286 Automation and Control (3)
- ECT315 Industrial IoT (3)
- NETW310 Wired, Optical and Wireless Communications with Lab (3)

Program Notes

Students who complete this certificate program can apply eligible coursework to certain DeVry degree programs. Restrictions may apply. More information is available in the Stackable Programs section.

Students who successfully complete certain courses are eligible to earn a digital badge for the course. Visit the Skills Coursework and Badges section.

Employment Positions

Employment positions determined to be in field for graduates of the Undergraduate Certificate program in Internet of Things include Computer Network Architect (15-1241.00), Computer User Support Specialist (15-1232.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the Internet of Things undergraduate certificate program web page.

Networking Essentials Certificate Program

Program Description

DeVry's Networking Essentials undergraduate certificate program is designed to provide students with knowledge, skills and abilities to create and implement physical and virtualized networks. The curriculum addresses cloud-based infrastructure; data center administration; and configuration, management, security and maintenance of essential network devices. Students explore how network configurations and cloud services can be optimized and applied to any industry or organization, as well as new and emerging technologies.

Program Alignment

AI-Infused Technology Foundations

This program offers technology courses that build interdisciplinary skills for today’s AI-driven digital world. Learners gain hands-on experience with devices, computing, networks, cloud services and security while exploring the integration and automation that power the Internet of Things. The curriculum emphasizes responsible and ethical workplace practices, adaptability to emerging innovations, and immersive applications of AI and machine learning across industry.

Program Educational Objectives

This program is designed to produce graduates who are able to:
1. Identify opportunities where network configuration can unite operational technology and information technology systems.
2. Establish a basic network by installing, configuring, securing and testing multiple network operating systems and selected hardware such as network servers and routers.
3. Utilize contemporary techniques and tools to maintain and optimize basic network configurations and systems.

Credential

Undergraduate Certificate in Networking Essentials

Minimum Credit Hours Required for Completion

23

Time to Complete (Assumes student remains on selected schedule)

- **Normal time to complete:** 1 year, 4 months, assuming enrollment in 2 semesters per 12-month period
- **Minimum time to complete:** 12 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

3, assuming enrollment in 6-10 credit hours per semester

Graduation Requirements

Program Focus - 23 credit hours required
Complete all of the following

- CEIS298 Introduction to Technical Project Management (1)
- MATH114 Algebra for College Students (4)
- NETW191 Fundamentals of Information Technology and Networking (3)
- TECH101 Technology Fundamentals (3)
- TECH112 AI in Industry (3)

Complete 3 of the following:

- NETW212 Introduction to Cloud Computing (3)
- NETW260 Intermediate Information Technology & Networking I (3)
- NETW270 Intermediate Information Technology & Networking II (3)
- NETW310 Wired, Optical and Wireless Communications with Lab (3)
- SIS110 Operating Systems Basics (3)
- SIS180 Introduction to Machine Learning and Artificial Intelligence (3)
- TECH110 Coding and Scripting (3)

Program Notes

Students who complete this certificate program can apply eligible coursework to certain DeVry degree programs. Restrictions may apply. More information is available in the Stackable Programs section.

Students who successfully complete certain courses are eligible to earn a digital badge for the course. Visit the Skills Coursework and Badges section.

Credits and degrees earned from DeVry do not automatically qualify the holder to participate in professional certification or licensure exams. DeVry does not guarantee graduates will successfully pass such exams.

Employment Positions

Employment positions determined to be in field for graduates of the Undergraduate Certificate program in Networking Essentials include Computer User Support Specialists (15-1232.00), Computer System Analysts (15-1211.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the Networking Essentials undergraduate certificate program web page.

Programming Essentials Certificate Program

Program Description

DeVry's Programming Essentials undergraduate certificate program is designed to provide students with basic coding skills to maximize their understanding and use of software. The program helps students develop initial expertise in using software to implement computer-based business solutions in information systems with languages such as Python and C#.

Program Alignment

AI-Infused Technology Foundations

This program offers technology courses that build interdisciplinary skills for today's AI-driven digital world. Learners gain hands-on experience with devices, computing, networks, cloud services and security while exploring the integration and automation that power the Internet of Things. The curriculum emphasizes responsible and ethical workplace practices, adaptability to emerging innovations, and immersive applications of AI and machine learning across industry.

Program Educational Objectives

This program is designed to produce graduates who are able to:
1. Utilize at least one modern computer programming language to implement computer-based information system solutions.
2. Write programs that enable information to be stored, processed and communicated in meaningful ways to end users.
3. Identify and correct data, syntax and programming logic errors.

Credential

Undergraduate Certificate in Programming Essentials

Minimum Credit Hours Required for Completion

22

Time to Complete (Assumes student remains on selected schedule)

- **Normal time to complete:** 8 months, assuming enrollment in 2 semesters per 12-month period
- **Minimum time to complete:** 8 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

2, assuming enrollment in 9-13 credit hours per semester

Graduation Requirements

Program Focus - 22 credit hours required
Complete all of the following

- MATH114 Algebra for College Students (4)
- SIS110 Operating Systems Basics (3)
- SIS150 Fundamentals of Programming (3)
- TECH101 Technology Fundamentals (3)
- TECH110 Coding and Scripting (3)
- TECH112 AI in Industry (3)

Complete 1 of the following:

- SIS180 Introduction to Machine Learning and Artificial Intelligence (3)
- SIS230 Relational Databases (3)
- SIS250 General Application Programming (3)

Program Notes

Students who complete this certificate program can apply eligible coursework to certain DeVry degree programs. Restrictions may apply. More information is available in the Stackable Programs section.

Students who successfully complete SIS180, TECH110 and/or TECH112 are eligible to earn a digital badge for the course. Visit the Skills Coursework and Badges section.

Credits and degrees earned from DeVry do not automatically qualify the holder to participate in professional certification or licensure exams. DeVry does not guarantee graduates will successfully pass such exams.

Employment Positions

Employment positions determined to be in field for graduates of the Undergraduate Certificate program in Programming Essentials include Computer User Support Specialists (15-1232.00), Computer System Analysts (15-1211.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the Programming Essentials undergraduate certificate program web page.

Software Development Bachelor's Degree Program

Program Description

DeVry's bachelor's degree program in Software Development prepares students to design, document, create, test, secure and perform ongoing maintenance of software products. Knowledge of computing and mathematics appropriate to developing software products is applied. The curriculum is designed to help students develop software and computing skills, as well as professional, social and ethical responsibilities associated with creating and deploying software systems. The program offers tracks as shown in the following program specializations section. Students who have not chosen an area of specialization may begin the program in "Undeclared" status; however, they must select a track by the time they have earned 60 semester-credit hours toward their degree.

Programmatic Accreditation / Recognition

The Bachelor of Science in Software Development is accredited by the Computing Accreditation Commission of ABET, under the commission's General Criteria with no applicable program criteria.

More information is available in the Accreditation and Authorization section.

Program Alignment

Developing AI-Ready IT Professionals

This program is designed to address the need for agile, AI-trained software developers and programming professionals within an ever-evolving workplace. Learners gain skills to keep pace with rapidly evolving technologies through a blend of instruction and practical, hands-on experience. With focused instruction in generative AI, agentic systems and machine learning, the curriculum helps learners understand core AI concepts and their application in software creation and management.

Career development strategies are integrated throughout the program to help prepare learners for professional success. Coursework provides foundational skillsets in full-stack programming, data science, AI, machine learning and application development. Students can participate in industry-centered student organizations and programming competitions.

Program Educational Objectives

PROGRAM EDUCATIONAL OBJECTIVES are broad statements that describe the skills graduates are expected to attain within a few years of graduation. PEOs are based on the needs of the program's constituents and are a requirement of CAC of ABET accreditation. The program's PEOs are:

1. Support the successful practice of design, development and testing of software.
2. Communicate and collaborate effectively with individuals, teams and artificial intelligence (AI).
3. Exercise critical and systemic thinking and ethical responsibility in finding solutions to professional challenges.
4. Contribute to society through a chosen field.
5. Remain abreast of developments in technology and society.

Student Outcomes

Student outcomes are the skills and abilities students are expected to demonstrate at graduation. These relate to the skills, knowledge, and behaviors that students acquire as they progress through the program. These outcomes map directly to the current Student Outcome Criteria prescribed by CAC of ABET. The program is designed to produce graduates who are able to:
1. Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.
2. Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
3. Communicate effectively in a variety of professional contexts.
4. Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
5. Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.

Credential

Bachelor of Science in Software Development

State-Specific Credential

In New York, Bachelor of Professional Studies in Software Development

Minimum Credit Hours Required for Completion

120

Time to Complete (Assumes student remains on selected schedule)

- **Normal time to complete:** 4 years, assuming enrollment in 2 semesters per 12-month period

- **Minimum time to complete:** 2 years, 8 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

8 full time, assuming enrollment in 15 credit hours per semester; enrollment in additional credit hours may be needed in some semesters

Graduation Requirements

Complete all of the following

Communication Skills – 12 credit hours required
- ENGL108 Composition with Lab (3)
- ENGL136 Advanced Composition (3)
- ENGL206 Technical Communication (3)
- SPCH275 Public Speaking (3)

Humanities – 6 credit hours required
- ETHC232 Ethical and Legal Issues in the Professions (3)
- LAS432 Technology, Society, and Culture (3)

Social Sciences – 9 credit hours required

- ECON312 Principles of Economics (3)
- SOCS185 Culture and Society (3)
- SOCS325 Environmental Sociology (3)

Mathematics and Natural Sciences – 15 credit hours required

- MATH111 Integrated Math I (3)
- MATH121 Integrated Math II (3)
- MATH232 Discrete Math in Technology (3)
- TECH180 How Technology Works (3)
- TECH220 Data-Driven Decision-Making (3)

Technology Foundations – 12 credit hours required

- TECH101 Technology Fundamentals (3)
- TECH110 Coding and Scripting (3)
- TECH112 AI in Industry (3)
- TECH114 Connected Digital Devices (3)

Program Focus – 39 credit hours required

- NETW212 Introduction to Cloud Computing (3)
- SEC270 Secure Cyber Coding (3)
- SIS110 Operating Systems Basics (3)
- SIS150 Fundamentals of Programming (3)
- SIS180 Introduction to Machine Learning and Artificial Intelligence (3)
- SIS230 Relational Databases (3)
- SIS240 Web Programming (3)
- SIS250 General Application Programming (3)
- SIS260 Algorithms and Data Structures (3)
- SIS300 User Experience and Interface (3)
- SIS310 AI-Driven Business Application Coding (3)
- SIS320 Business Application Programming (3)
- SIS330 Non-Relational Databases (3)

Career Development – 15 credit hours required

Complete all of the following

- TECH305 Technology Career Development (3)
- TECH440 Technical Project Management (3)
- TECH460 Senior Project (3)

Technical Electives - 6 credit hours

For the Technical Electives, students select courses within the College of Engineering & Information Sciences with prefixes CEIS, CIS, ECT, NETW, SEC, SIS and TECH, provided prerequisites are met. Courses must be at the 300-level or higher. Courses within other Colleges may be applied with permission from the appropriate academic administrator. Students who meet eligibility requirements may also take the following graduate-level courses offered by the University’s Keller Graduate School of Management. Eligibility requirements are outlined in the Requirements for Undergraduate Students Enrolling in Keller Courses section. Credits earned for each course also satisfy credit-hour requirements within certain Keller master’s degree and graduate certificate programs. Descriptions for these 500-level courses are found at the end of the Course Descriptions section, under the Keller Graduate School of Management Courses section. Additional information is available from student support advisors and in the Keller Graduate School of Management academic catalog.

- HRM587G Managing Organizational Change (3)

- LEAD570G Leadership in the Age of AI (3)
- MIS540G Innovation Through Technology (3)
- MIS548G AI Applications for Business (3)

NOTE: Students selecting the General Option track should note that courses used to satisfy Technical Elective course requirements may not also be used to satisfy requirements in that track. More information is available from a student support advisor.
Track - Select 1 option - 12 credit hours required
Visit the Specializations section below for options and associated course requirements.

Program Notes

Students who successfully complete LEAD570G, MIS540G, SIS180, TECH110 and/or TECH112 are eligible to earn a digital badge for the course. Visit the Skills Coursework and Badges section.

Credits and degrees earned from DeVry do not automatically qualify the holder to participate in professional certification or licensure exams. DeVry does not guarantee graduates will successfully pass such exams.

Employment Positions

Employment positions determined to be in field for graduates of the Bachelor of Science in Software Development degree program include Software Developers (15-1252.00); Software Quality Assurance Analysts and Testers (15-1253.00); Computer User Support Specialist (15.1232.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the bachelor’s degree program inSoftware Development web page.

Software Development Bachelor’s Degree Program - AI and Data Analytics

Graduation Requirements

AI and Data Analytics – 12 credit hours required
Complete all of the following

- SIS340 Data Visualization and Presentation (3)
- SIS350 AI, Machine Learning and Data Science (3)
- SIS460 Natural Language Processing (3)

Complete 1 of the following:

- SEC302 Data Administration and Security (3)
- SIS465 Large Language Models (3)

Software Development Bachelor’s Degree Program - Application Development

Graduation Requirements

Application Development – 12 credit hours required
Complete all of the following

- SIS370 3D Modeling and Animation (3)
- SIS440 Simulation and Game Programming (3)
- SIS445 Simulation and Game Design (3)

Complete 1 of the following:

- SEC350 Secure Software Deployment (3)
- SIS309 AI-Driven Products, Services and Platforms (3)

Software Development Bachelor’s Degree Program - General Option

Specialization Description

Note: Students selecting the General Option track should note that courses used to satisfy Technical Elective course requirements may not also be used to satisfy requirements in that track. More information is available from a student support advisor. Students select courses from those with prefixes CEIS, CIS, ECT, MGMT, NETW, PROJ, SEC, WEB and TECH for which prerequisites are met and that were not used to satisfy requirements in the Career Development course area. Courses must be at the 300-level or higher.

Graduation Requirements

Software Development Bachelor’s Degree Program - Software Design and Engineering

Graduation Requirements

Software Design and Engineering – 12 credit hours required
Complete all of the following

- SEC350 Secure Software Deployment (3)
- SIS360 Full Stack Development (3)
- SIS400 Software Engineering (3)

Complete 1 of the following:

- SIS309 AI-Driven Products, Services and Platforms (3)
- SIS440 Simulation and Game Programming (3)

Software Development Certificate Program

Program Description

DeVry's Software Development undergraduate certificate program helps students develop knowledge, skills and abilities needed to plan, build, test and maintain software. The program offers students the option to focus their study on software design and engineering principles or on application development. A more flexible general option is also available for those who wish to explore a variety of topics in the software industry.

Program Alignment

AI-Infused Technology Foundations

This program offers technology courses that build interdisciplinary skills for today's AI-driven digital world. Learners gain hands-on experience with devices, computing, networks, cloud services and security while exploring the integration and automation that power the Internet of Things. The curriculum emphasizes responsible and ethical workplace practices, adaptability to emerging innovations, and immersive applications of AI and machine learning across industry.

Program Educational Objectives

The program is designed to produce graduates who are able to:
1. Define software goals, requirements, and functionality.
2. Identify software errors, performance issues, and usability problems.
3. Eliminate software bugs, patch security vulnerabilities, and enhance functionality and/or add new features.

Credential

Undergraduate Certificate in Software Development

Minimum Credit Hours Required for Completion

36

Time to Complete (Assumes student remains on selected schedule)

- **Normal time to complete:** 1 year, 4 months, assuming enrollment in 2 semesters per 12-month period
- **Minimum time to complete:** 12 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

3 full time, assuming enrollment in 12 credit hours per semester

Graduation Requirements

Complete all of the following

Mathematics – 6 credit hours required
- MATH111 Integrated Math I (3)
- MATH121 Integrated Math II (3)

Tech Foundations – 9 credit hours required
- TECH101 Technology Fundamentals (3)
- TECH110 Coding and Scripting (3)
- TECH112 AI in Industry (3)

Program Focus – 12 credit hours required
- SIS110 Operating Systems Basics (3)
- SIS150 Fundamentals of Programming (3)
- SIS230 Relational Databases (3)
- SIS240 Web Programming (3)

Option - Select 1 option - 9 credit hours required
Visit the Specializations section below for options and associated course requirements.

Program Notes

Students who complete this certificate program can apply eligible coursework to certain DeVry degree programs. Restrictions may apply. More information is available in the Stackable Programs section.

Students who successfully complete certain courses are eligible to earn a digital badge for the course. Visit the Skills Coursework and Badges section.

Employment Positions

Employment positions determined to be in field for graduates of the Undergraduate Certificate program in Software Development include Computer User Support Specialist (15.1232.00); Software Quality Assurance Analysts and Testers (15-1253.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the Software Development undergraduate certificate program web page.

Software Development Certificate Program - Application Development

Specialization Description

Coursework addresses general-purpose programming and debugging skills for creating secure, AI-driven solutions to help meet organizational goals.

Graduation Requirements

Application Development – 9 credit hours required
Complete all of the following

- SEC270 Secure Cyber Coding (3)
- SIS180 Introduction to Machine Learning and Artificial Intelligence (3)

Complete 1 of the following:

- SIS250 General Application Programming (3)
- SIS320 Business Application Programming (3)

Software Development Certificate Program - General Option

Graduation Requirements

General Option - 9 credit hours required
Coursework is selected from courses reflecting students' interest. Students select applicable courses from the College of Engineering & Information Sciences provided prerequisites are met. Courses within other colleges may be applied with permission from the appropriate academic administrator.

Software Development Certificate Program - Software Design and Engineering

Specialization Description

Coursework builds on prior skills and knowledge gained and addresses skills for building a software product to meet user needs.

Graduation Requirements

Software Design and Engineering – 9 credit hours required

- SIS260 Algorithms and Data Structures (3)
- SIS360 Full Stack Development (3)
- SIS400 Software Engineering (3)

College of Health Sciences

Health Information Technology Associate Degree Program

Program Description

DeVry's Health Information Technology (HIT) program prepares graduates to work with health data, applications systems and electronic health information databases. Given the importance of information accuracy, privacy and security, the HIT program also prepares graduates for involvement in regulatory compliance and quality assessment activities designed to ensure that health information systems support patient care and safety. HIT professionals work with nurses, physicians, other healthcare providers, and managers and technical specialists in various settings such as hospitals, long-term-care facilities, insurance and managed care organizations, government agencies and vendor firms. The program offers tracks as shown below. Students who have not chosen an area of specialization may begin the program in "Undeclared" status; however, they must select a track by the time they have earned 30 semester-credit hours toward their degree.

Programmatic Accreditation / Recognition

This program, when completed with the Health Information track, is accredited by the **Commission on Accreditation for Health Informatics and Information Management Education**.

More information is available in the Accreditation and Authorization section.

Program Alignment

DIGITAL HEALTH CORE – Essential Health Information Skills for Modern Healthcare

This program includes DeVry's Digital Health Core series of courses, designed to help students develop a set of interdisciplinary skills for today's rapidly evolving health information field. Courses explore principles used throughout the healthcare ecosystem, exposing students to essential topics related to medical terminology; compliance; ethics; electronic medical records; patient privacy; and digital and data-driven technologies that support healthcare delivery, including foundational concepts related to use of artificial intelligence in healthcare settings.

The Digital Health Core curriculum also provides students hands-on experience with industry-standard software systems and simulated patient records.

Program Educational Objectives

The program is designed to produce graduates who are able to:
1. Evaluate healthcare data to apply diagnosis and procedure codes, ensure integrity of healthcare documentation, validate secondary data sources, and ensure compliance with standards.
2. Understand and apply legal concepts to protect the confidentiality, privacy, and security of protected health information.
3. Support healthcare data utilization, health information management functions, research, and health information exchange through the use of information systems and data analytics.
4. Explain and apply reimbursement processes, methodologies, and revenue cycle.
5. Analyze and apply legal and regulatory requirements to ensure organizational compliance.
6. Understand and apply organizational leadership, change management and process improvement.
DeVry accomplishes these goals by:
1. Providing an academic program that develops a sound foundation in analytical, technical and management competencies associated with health data and health records systems management within a healthcare setting.
2. Incorporating professional practice activities and labs to provide the appropriate level of applications experience.
3. Integrating general learning in sciences and computers to support achievement of competencies.

Credential

Associate of Applied Science in Health Information Technology

Minimum Credit Hours Required for Completion

61

Time to Complete (Assumes student remains on selected schedule)

o **Normal time to complete:** 2 years, assuming enrollment in 2 semesters per 12-month period

o **Minimum time to complete:** 1 year, 4 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

4 full time, assuming enrollment in 12-18 credit hours per semester; enrollment in additional credit hours may be needed in some semesters

Graduation Requirements

Complete 1 of the following

OPTION 1: Students Selecting the Health Information Track ONLY
Complete all of the following

Communication Skills – 3 credit hours required
- ENGL108 Composition with Lab (3)

Social Sciences – 3 credit hours required
- SOCS185 Culture and Society (3)

Mathematics and Natural Sciences – 12 credit hours required

- BIOS107 Fundamentals of Human Anatomy and Physiology (3)
- BIOS266 Pathopharmacology (3)
- MATH116 Algebra for College Students (3)
- MATH226 Statistics for Decision-Making (3)

Personal and Professional Development – 3 credit hours required

- HIT102 Professional Skills for Healthcare (3)

Digital Health Core – 15 credit hours required

- HCA221 Healthcare Billing and Insurance Fundamentals (3)
- HIT112 Basic Medical Terminology (3)
- HIT126 Electronic Health Records and Digital Health (3)
- HIT224 Medical Ethics, Compliance and Patient Privacy (3)
- HIT240 Fundamentals of Artificial Intelligence in Healthcare (3)

Health Information Elective – 3 credit hours required

Complete 1 of the following:

- HCA236 Revenue Cycle Management (3)
- HCA350 Registration Organization and Operations (3)
- HIT218 Advanced Medical Coding with AI Resources (3)
- HIT219 Hospital Medical Coding with AI Resources (3)
- HIT273 Cybersecurity and Data Privacy in Healthcare (3)

Health Information Track - 22 credit hours required

Visit the Specializations section below for Health Information track course requirements.

NOTE: Students in this path must take the Health Information Track as their Specialization.

OPTION 2: Students Selecting Analytics, General Health Services, or IT and Cybersecurity Track

Complete all of the following

Communication Skills – 3 credit hours required

- ENGL108 Composition with Lab (3)

Humanities – 3 credit hours required

- ETHC232 Ethical and Legal Issues in the Professions (3)

Social Sciences – 3 credit hours required

- SOCS185 Culture and Society (3)

Mathematics and Natural Sciences – 13 credit hours required

- BIOS105 Fundamentals of Human Anatomy and Physiology (4)
- BIOS268 Pathopharmacology (3)
- MATH116 Algebra for College Students (3)
- MATH226 Statistics for Decision-Making (3)

Personal and Professional Development – 3 credit hours required

- HIT101 Professional Skills for Healthcare (3)

Digital Health Core – 15 credit hours required

- HCA220 Healthcare Billing and Insurance Fundamentals (3)
- HCA240 Fundamentals of Artificial Intelligence in Healthcare (3)
- HIT111 Basic Medical Terminology (3)
- HIT125 Electronic Health Records and Digital Health (3)
- HIT223 Medical Ethics, Compliance and Patient Privacy (3)

Health Information Elective - 3 credit hours required

Complete 1 of the following:

- HCA350 Registration Organization and Operations (3)

- HIT235 Health Insurance Billing and Reimbursement (3)

Track - Select 1 option - 18 credit hours required
Visit the Specializations section below for options and associated course requirements.
NOTE: Students in this path may not select Health Information Track for their Specialization

Program Notes

Students who successfully complete certain courses are eligible to earn a digital badge for the course. Visit the Skills Coursework and Badges section.

Students who complete this associate degree program can apply eligible coursework to certain DeVry bachelor's degree programs. Restrictions may apply. More information is available in the Stackable Programs section.

There may be a slight difference between minimum credit hours required for graduation and total credit hours required if all courses are taken at DeVry. Credit hour differences may benefit students with qualifying transfer credit. Credit hours beyond the minimum may affect program length and cost. Students should contact a student support advisor for more information.

HIT program students should note the following:

- Students are required to successfully complete practicum or clinical coursework at an affiliated healthcare site. Before accepting students, such healthcare sites require a physical exam, proof of freedom from communicable disease, a criminal background check and/or a drug screen. Random drug screens may be required. Students rejected by a practicum or clinical site for any reason cannot finish their programs' required coursework and therefore cannot graduate.
- The capstone practicum course is overseen by a professor who monitors students' progress in conjunction with practicum site liaisons. Applicants to, and students in, programs with practicum or clinical coursework components must comply with DeVry's requirements for their program. Failure to fully disclose a criminal record, failure to comply with background and/or drug screening requirements or failure to have a satisfactory outcome may result in denial of admission to, or dismissal from, the program.
- Transportation to external healthcare sites, meals at such sites and personal expenses are not included when calculating students' annual costs. These expenses vary according to individual student needs. DeVry attempts to place students at healthcare sites within a 50-mile radius of their DeVry location; however, distances may be greater.

Employment Positions

Employment positions determined to be in field for graduates of the Associate of Applied Science in Health Information Technology (in New Jersey, Associate in Applied Science in Health Information Technology) degree program include Health Information Technologists and Medical Registrars (29-9021.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the associate degree program inHealth Information Technology web page.

Health Information Technology Associate Degree Program - Analytics

Graduation Requirements

Analytics – 18 credit hours required

- BIAM112 Introduction to AI and Business Analytics (3)
- BIAM305 Managerial and Ethical Applications of AI and Analytics (3)
- HIT227 Healthcare Quality and Data Analytics (3)
- HIT267 Healthcare Analytics and Practical Applications (3)
- HIT290 Healthcare Analytics Capstone (3)
- TECH112 AI in Industry (3)

Notes

HIT290 is provided at no tuition charge for students selecting the Analytics track.

Health Information Technology Associate Degree Program - General Health Services

Graduation Requirements

General Health Services - 18 credit hours required
Complete all of the following

- HCA210 Medical Office Administration (3)
- HCA236 Revenue Cycle Management (3)
- HCA310 Health Systems and Interoperability (3)
- HIT291 Healthcare Services Capstone (3)

Electives - 6 credit hours required
Qualifying prior college coursework in health sciences or healthcare-related topics not used to meet other program requirements may be applied toward elective hours. Electives may also be chosen from among courses with designators HCA, HIM, HIT and HSM, as listed in the Courses section, provided they are not used to meet other graduation requirements and prerequisites are met. The following suggested electives ensure students meet prerequisite requirements:

- BIAM112 Introduction to AI and Business Analytics (3)
- HCA340 Health Services Finance (3)
- HCA415 Healthcare Law and Ethics (3)
- HIT273 Cybersecurity and Data Privacy in Healthcare (3)
- TECH112 AI in Industry (3)

Notes

Students selecting the General Health Services track must take HIT235 within the Health Information Elective course area.

HIT291 is provided at no tuition charge for students selecting the General Health Services track.

Health Information Technology Associate Degree Program - Health Information

Graduation Requirements

Health Information Track – 22 credit hours required

- HIT175 Health Information Technology Application (3)
- HIT207 CPT Coding with Application (3)
- HIT221 ICD-10-CM with Application (3)
- HIT228 ICD-10-PCS with Application (3)
- HIT229 Healthcare Quality and Data Analytics (3)
- HIT255 Health Information Technology Mastery (3)
- HIT280 Health Information Practicum and RHIT Exam Preparation (4)

Notes

HIT255 is provided at no tuition charge for students selecting the Health Information track.

Programmatic Accreditation / Recognition

This program, when completed with the Health Information track, is accredited by the Commission on Accreditation for Health Informatics and Information Management Education.

Health Information Technology Associate Degree Program - IT and Cybersecurity

Graduation Requirements

Information Technology and Cybersecurity – 18 credit hours required
Complete all of the following

- HIT273 Cybersecurity and Data Privacy in Healthcare (3)
- HIT292 Healthcare Cybersecurity Capstone (3)
- TECH101 Technology Fundamentals (3)
- TECH110 Coding and Scripting (3)
- TECH112 AI in Industry (3)

Complete 1 of the following:

- NETW191 Fundamentals of Information Technology and Networking (3)
- NETW212 Introduction to Cloud Computing (3)
- SIS180 Introduction to Machine Learning and Artificial Intelligence (3)
- TECH114 Connected Digital Devices (3)

Notes

Students selecting the IT and Cybersecurity track must take HIT235 within the Health Information Elective course area.

HIT292 is provided at no tuition charge for students selecting the IT and Cybersecurity track.

Healthcare Administration Bachelor’s Degree Program

Program Description

DeVry’s Healthcare Administration program is designed to prepare graduates to become managers and support professionals in the healthcare field as well as in related industries. The program helps develop versatile professionals who, using a collaborative approach, apply knowledge of information systems, policy, accounting, budgeting and analysis in diverse healthcare provider settings. The combination of management skills and knowledge of current issues in health services and systems provides Healthcare Administration graduates with a solid foundation on which to begin their healthcare careers.

Program Alignment

DIGITAL HEALTH CORE – Essential Health Information Skills for Modern Healthcare

This program includes DeVry’s Digital Health Core series of courses, designed to help students develop a set of interdisciplinary skills for today's rapidly evolving health information field. Courses explore principles used throughout the healthcare ecosystem, exposing students to essential topics related to medical terminology; compliance; ethics; electronic medical records; patient privacy; and digital and data-driven technologies that support healthcare delivery, including foundational concepts related to use of artificial intelligence in healthcare settings.

The Digital Health Core curriculum also provides students hands-on experience with industry-standard software systems and simulated patient records.

Program Educational Objectives

The program is designed to produce graduates who are able to:
1. Analyze, design and implement practical approaches to solve and prevent business problems in healthcare settings.
2. Sustain a working understanding of evolving issues in the healthcare industry.
3. Collaborate with others to deliver professional healthcare services in diverse work environments.
4. Apply project management and business analysis principles.
5. Communicate effectively both orally and in writing.

Credential

Bachelor of Science in Healthcare Administration

Minimum Credit Hours Required for Completion

121

Time to Complete (Assumes student remains on selected schedule)

- **Normal time to complete:** 4 years, assuming enrollment in 2 semesters per 12-month period
- **Minimum time to complete:** 2 years, 4 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

7 full time, assuming enrollment in 16-20 credit hours per semester; enrollment in additional credit hours may be needed in some semesters

Graduation Requirements

Complete all of the following

Communication Skills – 15 credit hours required

- ENGL112 Composition (4)
- ENGL135 Advanced Composition (4)
- ENGL216 Technical Writing (4)
- SPCH275 Public Speaking (3)

Humanities – 6 credit hours required

- ETHC445 Principles of Ethics (3)
- LAS432 Technology, Society, and Culture (3)

Social Sciences - 9 credit hours required

- ECON312 Principles of Economics (3)
- SOCS185 Culture and Society (3)
- SOCS325 Environmental Sociology (3)

Mathematics and Natural Sciences - 12 credit hours required

- BIOS105 Fundamentals of Human Anatomy and Physiology (4)
- MATH114 Algebra for College Students (4)
- MATH221 Statistics for Decision-Making (4)

Digital Health Core - 15 credit hours required

- HCA220 Healthcare Billing and Insurance Fundamentals (3)
- HCA240 Fundamentals of Artificial Intelligence in Healthcare (3)
- HIT111 Basic Medical Terminology (3)
- HIT125 Electronic Health Records and Digital Health (3)
- HIT223 Medical Ethics, Compliance and Patient Privacy (3)

Program Focus - 43 credit hours required

Complete all of the following

- ACCT212 Financial Accounting (4)
- ACCT360 Managerial Accounting (3)
- BIAM112 Introduction to AI and Business Analytics (3)
- BUSN115 Introduction to Business and Technology (3)
- HCA210 Medical Office Administration (3)
- HSM310 Introduction to Health Services Management (4)
- HSM320 Health Rights and Responsibilities (4)
- HSM330 Health Services Information Systems (4)
- HSM340 Health Services Finance (4)
- HSM420 Managed Care and Health Insurance (4)
- MGMT404 Project Management (4)

Complete 1 of the following:

- HCA236 Revenue Cycle Management (3)
- HCA430 Human Resources in Healthcare (3)
- HCA480 Long-Term-Care Administration (3)
- HIT273 Cybersecurity and Data Privacy in Healthcare (3)

Career Preparation - 6 credit hours required

- HCA490 Healthcare Administration Capstone (3)
- HIT101 Professional Skills for Healthcare (3)

Track - Select 1 option - 15 credit hours required
Visit the Specializations section below for options and associated course requirements.

State-Specific Variances

Virginia: In Virginia certain educational and training requirements must be satisfied for initial nursing home administrator licensure or initial assisted living facility administrator licensure, DeVry's program does not satisfy the educational and/or training requirements.

Program Notes

There may be a slight difference between minimum credit hours required for graduation and total credit hours required if all courses are taken at DeVry. Credit hour differences may benefit students with qualifying transfer credit. Credit hours beyond the minimum may affect program length and cost. Students should contact a student support advisor for more information.

Students who successfully complete certain courses are eligible to earn a digital badge for the course. Visit the Skills Coursework and Badges section.

DeVry's Healthcare Administration program is not designed to prepare graduates for nursing home, assisted living facility, long-term-care or home care administrator positions. Students interested in practicing a regulated profession must contact the appropriate state regulatory agency for certification or licensure requirements.

Employment Positions

Employment positions determined to be in field for graduates of the Bachelor of Science in Healthcare Administration degree program include Medical and Health Services Managers (11-9111.00), Administrative Services Managers (11-3012.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the bachelor's degree program inHealthcare Administration web page.

Healthcare Administration Bachelor's Degree Program - General Option

Graduation Requirements

General Option - 15 credit hours required
Students select applicable courses from the College of Health Sciences, College of Business & Management, and College of Engineering & Information Sciences, provided prerequisites are met or with approval from the appropriate academic administrator.

Healthcare Administration Bachelor’s Degree Program - Healthcare Analytics

Graduation Requirements

Healthcare Analytics - 15 credit hours required

- BIAM305 Managerial and Ethical Applications of AI and Analytics (3)
- HCA435 Healthcare Analytics and Informatics (3)
- HCA440 Digital Health and Innovation (3)
- HIT227 Healthcare Quality and Data Analytics (3)
- HIT267 Healthcare Analytics and Practical Applications (3)

Healthcare Administration Bachelor’s Degree Program - Healthcare Management

Graduation Requirements

Healthcare Management - 15 credit hours required

- HCA380 AI Applications for Healthcare (3)
- HIM377 Cybersecurity and Data Privacy in Healthcare (4)
- HSM410 Healthcare Policy (4)
- MGMT410 Human Resource Management (4)

Medical Billing & Coding Certificate Program

Program Description

DeVry’s Medical Billing & Coding (MBC) undergraduate certificate program provides students with knowledge, skills and abilities needed to function as entry-level coding specialists in the health information management field. Coursework, taught from the practitioner’s perspective, focuses on skills and coding competencies used in settings such as hospitals and physician practices. The MBC certificate can help students who are new to health coding begin their professional journey.

Program Alignment

DIGITAL HEALTH CORE – Essential Health Information Skills for Modern Healthcare

This program includes DeVry’s Digital Health Core series of courses, designed to help students develop a set of interdisciplinary skills for today's rapidly evolving health information field. Courses explore principles used throughout the healthcare ecosystem, exposing students to essential topics related to medical terminology; compliance; ethics; electronic medical records; patient privacy; and digital and data-driven technologies that support healthcare delivery, including foundational concepts related to use of artificial intelligence in healthcare settings.

The Digital Health Core curriculum also provides students hands-on experience with industry-standard software systems and simulated patient records.

Program Educational Objectives

The program is designed to produce graduates who are able to:
1. Demonstrate understanding of inpatient and outpatient coding guidelines.
2. Apply knowledge of health records and data content.
3. Explain reimbursement processes and methodologies.
4. Relate compliance topics to coding functions.
5. Describe various information technologies used to perform coding functions.
6. Recognize, and be sensitive to, issues of confidentiality and privacy.

Credential

Undergraduate Certificate in Medical Billing and Coding

Minimum Credit Hours Required for Completion

31

Time to Complete (Assumes student remains on selected schedule)

o **Normal time to complete**: 1 year, 2 months, assuming enrollment in 2 semesters per 12-month period

o **Minimum time to complete**: 10 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

3, assuming enrollment in 6-13 credit hours per semester

Graduation Requirements

Complete all of the following

Natural Sciences - 4 credit hours required
- BIOS105 Fundamentals of Human Anatomy and Physiology (4)

Digital Health Core - 12 credit hours required
- HIT111 Basic Medical Terminology (3)
- HIT125 Electronic Health Records and Digital Health (3)
- HIT223 Medical Ethics, Compliance and Patient Privacy (3)
- HIT235 Health Insurance Billing and Reimbursement (3)

Medical Coding - 9 credit hours required
- HIT206 CPT Coding with Application (3)
- HIT214 ICD-10-CM with Application (3)
- HIT218 Advanced Medical Coding with AI Resources (3)

Personal and Professional Development - 6 credit hours required
- HIT101 Professional Skills for Healthcare (3)
- HIT254 Coding Practicum and Review (3)

Programmatic Admission Requirements

Applicants must demonstrate proficiency in composition beyond transitional studies or successfully complete BUSN062 in their first session. The Math placement exam is not required for this program. Required transitional studies coursework may affect program length and cost.

Program-Specific Policies

HIT254 provided at no tuition charge for students in the Medical Billing & Coding undergraduate certificate program.

Program Notes

Students who complete this certificate program can apply eligible coursework to certain DeVry degree programs. More information is available in the Stackable Programs section.

Students who complete the MBC undergraduate certificate and are later admitted to DeVry's MBC – HIC undergraduate certificate program may not be eligible for financial assistance.

Students who successfully complete certain courses are eligible to earn a digital badge for the course. Visit the Skills Coursework and Badges section.

The MBC certificate program includes material addressed in the **Certified Professional Coder** (CPC) certification exam. Detailed information on qualifications for the exam is available at https://www.aapc.com/certifications/cpc.

Employment Positions

Employment positions determined to be in field for graduates of the Undergraduate Certificate programs in Medical Billing and Coding, include Medical Records Specialists (29-2072.00), Health Information Technologists and Medical Registrars (29-9021.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the Medical Billing & Coding undergraduate certificate program web page.

Medical Billing & Coding – Health Information Coding Certificate Program

Program Description

DeVry's Medical Billing & Coding – Health Information Coding (MBC – HIC) undergraduate certificate program provides students with knowledge, skills and abilities needed to function as entry-level coding specialists in the health information management field. Coursework, taught from the practitioner's perspective, focuses on skills and coding competencies used in settings such as hospitals and physician practices. The MBC – Health Information Coding (MBC – HIC) undergraduate certificate can help those with previous coursework or experience prepare for more advanced entry-level positions.

Program Alignment

DIGITAL HEALTH CORE – Essential Health Information Skills for Modern Healthcare

This program includes DeVry's Digital Health Core series of courses, designed to help students develop a set of interdisciplinary skills for today's rapidly evolving health information field. Courses explore principles used throughout the healthcare ecosystem, exposing students to essential topics related to medical terminology; compliance; ethics; electronic medical records; patient privacy; and digital and data-driven technologies that support healthcare delivery, including foundational concepts related to use of artificial intelligence in healthcare settings.

The Digital Health Core curriculum also provides students hands-on experience with industry-standard software systems and simulated patient records.

Program Educational Objectives

The program is designed to produce graduates who are able to:
1. Demonstrate understanding of inpatient and outpatient coding guidelines.
2. Apply knowledge of health records and data content.
3. Explain reimbursement processes and methodologies.
4. Relate compliance topics to coding functions.
5. Describe various information technologies used to perform coding functions.
6. Recognize, and be sensitive to, issues of confidentiality and privacy.

Credential

Undergraduate Certificate in Medical Billing and Coding – Health Information Coding

Minimum Credit Hours Required for Completion

40

Time to Complete (Assumes student remains on selected schedule)

o **Normal time to complete:** 1 year, 6 months, assuming enrollment in 2 semesters per 12-month period

o **Minimum time to complete:** 1 year, 2 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

4, assuming enrollment in 3-13 credit hours per semester.

Graduation Requirements

Complete all of the following

Natural Sciences – 7 credit hours required

- BIOS105 Fundamentals of Human Anatomy and Physiology (4)
- BIOS268 Pathopharmacology (3)

Digital Health Core – 12 credit hours required

- HIT111 Basic Medical Terminology (3)
- HIT125 Electronic Health Records and Digital Health (3)
- HIT223 Medical Ethics, Compliance and Patient Privacy (3)
- HIT235 Health Insurance Billing and Reimbursement (3)

Medical Coding – 12 credit hours required

- HIT206 CPT Coding with Application (3)
- HIT214 ICD-10-CM with Application (3)
- HIT215 ICD-10-PCS with Application (3)
- HIT219 Hospital Medical Coding with AI Resources (3)

Personal and Professional Development – 9 credit hours required

Complete all of the following

- HIT101 Professional Skills for Healthcare (3)
- HIT263 Coding Practicum and CCS Review (3)

Complete 1 of the following:

- HCA236 Revenue Cycle Management (3)
- HCA240 Fundamentals of Artificial Intelligence in Healthcare (3)
- HIT218 Advanced Medical Coding with AI Resources (3)
- HIT273 Cybersecurity and Data Privacy in Healthcare (3)

Programmatic Admission Requirements

Applicants must demonstrate proficiency in composition beyond transitional studies or successfully complete BUSN062 in their first session. The Math placement exam is not required for this program. Required transitional studies coursework may affect program length and cost.

Program-Specific Policies

HIT263 provided at no tuition charge for students in the Medical Billing & Coding – Health Information Coding undergraduate certificate program.

Program Notes

Students who complete the MBC undergraduate certificate and are later admitted to DeVry's MBC – HIC undergraduate certificate program may not be eligible for financial assistance.

Students who complete this certificate program can apply eligible coursework to certain DeVry degree programs. More information is available in the Stackable Programs section.

Students who successfully complete certain courses are eligible to earn a digital badge for the course. Visit the Skills Coursework and Badges section.

There may be a slight difference between minimum credit hours required for certificate completion and total credit hours required if all courses are taken at DeVry. Credit hour differences may benefit students with qualifying transfer credit. Credit hours beyond the minimum may affect program length and cost. Students should contact a student support advisor for more information.

The MBC – HIC certificate program includes material addressed in the**Certified Coding Specialist** (CCS) certification exam. Detailed information on qualifications for the exam is available at https://ahima.org/certification-careers/certifications-overview/ccs.

Employment Positions

Employment positions determined to be in field for graduates of the Undergraduate Certificate programs in Medical Billing & Coding, and Medical Billing & Coding – Health Information Coding, include Medical Records Specialists (29-2072.00); Health Information Technologists and Medical Registrars (29-9021.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the Medical Billing & Coding – Health Information Coding undergraduate certificate program web page.

College of Media Arts & Technology

Website Design Certificate Program

Program Description

DeVry's Website Design undergraduate certificate program is designed to help students gain knowledge, skills and abilities to develop responsive web pages, web graphics, marketing collateral, web animations, web videos and multimedia projects by applying a collaborative approach. The program is also designed to help students use HTML and web-based code, through software applications, to design, illustrate and produce visual solutions for communications, especially the Internet. Graduates should also possess appropriate knowledge to work in a variety of areas and organizations, such as advertising, marketing, technical communications, publishing and training.

Program Educational Objectives

The program is designed to produce graduates who are able to:
1. Apply basic graphic and design principles to web media using application software.
2. Create HTML and other web-based code to develop responsive, interactive and data-driven websites.
3. Create and/or apply animations and other media used in the creation of websites.
4. Apply creative and problem-solving skills to produce graphics and multimedia solutions for websites.

Credential

Undergraduate Certificate in Website Design

Minimum Credit Hours Required for Completion

36

Time to Complete (Assumes student remains on selected schedule)

- **Normal time to complete:** 1 year, 4 months, assuming enrollment in 2 semesters per 12-month period
- **Minimum time to complete:** 12 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

3, assuming enrollment in 11-14 credit hours per semester

Graduation Requirements

Complete all of the following

Web Graphic Design - 33 credit hours required

- CIS363B Web Interface Design with Lab (4)
- MGMT408 Management of Technology Resources (3)
- WGD201 Visual Design Fundamentals (3)
- WGD205 Advanced Design and Rapid Visualization (4)
- WGD210 Digital Imaging Fundamentals (4)
- WGD229 Information Design (4)
- WGD235 Web Animation (4)
- WGD242 Advanced Web Design (4)
- WGD251 Responsive Web Design (3)

Graphic and Multimedia Design - 4 credit hours required

- WBG370 Game Development with Lab (4)

Programmatic Admission Requirements

Applicants must demonstrate proficiency in composition beyond transitional studies or successfully complete BUSN062 in their first session. The Math placement exam is not required for this program. Required transitional studies coursework may affect program length and cost.

Program Notes

There may be a slight difference between minimum credit hours required for certificate completion and total credit hours required if all courses are taken at DeVry. Credit hour differences may benefit students with qualifying transfer credit. Credit hours beyond the minimum may affect program length and cost. Students should contact a student support advisor for more information.

Visit the General Notes section for additional information.

Employment Positions

Employment positions determined to be in field for graduates of the Undergraduate Certificate program in Website Design include Web Developers (15-1254.00), Multimedia Artists and Animators (27-1014.00), Graphic Designers (27-1024.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the Website Design undergraduate certificate program web page.

Website Development Certificate Program

Program Description

DeVry's Website Development undergraduate certificate program is designed to help students gain knowledge, skills and abilities to develop responsive web pages, web graphics, web-based databases, code that enables website interactivity and accessible websites by applying a collaborative approach. The program is also designed to help students become familiar with authoring in HTML, JavaScript, CSS, PHP and other web code and in using software applications to design, develop, compile code and produce interactive, responsive websites. Graduates should also possess appropriate knowledge to work in a variety of areas and organizations, such as social media; mobile app development; and communications, and web design and development firms.

Program Educational Objectives

The program is designed to produce graduates who are able to:
1. Create code to develop responsive, interactive and data-driven websites as well as mobile web-based applications.
2. Apply basic graphic and design principles to the integration of web media using application software.
3. Develop interactive websites through the application of HTML, JavaScript, CSS, PHP and other web-based code.

Credential

Undergraduate Certificate in Website Development

Minimum Credit Hours Required for Completion

38

Time to Complete (Assumes student remains on selected schedule)

- **Normal time to complete:** 1 year, 4 months, assuming enrollment in 2 semesters per 12-month period
- **Minimum time to complete:** 12 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

3 full time, assuming enrollment in 12-15 credit hours per semester

Graduation Requirements

Complete all of the following

Web Graphic Design - 19 credit hours required

- CIS363B Web Interface Design with Lab (4)
- WGD210 Digital Imaging Fundamentals (4)
- WGD229 Information Design (4)
- WGD242 Advanced Web Design (4)
- WGD251 Responsive Web Design (3)

Web Development - 20 credit hours required

- CEIS236 Database Systems and Programming Fundamentals (4)
- SBE330 Creativity, Innovation and New Product Development (4)
- WBG310 Interactive Web Page Scripting with Lab (4)
- WBG410 Dynamic Website Development and Database Integration with Lab (4)
- WGD235 Web Animation (4)

Programmatic Admission Requirements

Applicants must demonstrate proficiency in composition beyond transitional studies or successfully complete BUSN062 in their first session. The Math placement exam is not required for this program. Required transitional studies coursework may affect program length and cost.

Program Notes

There may be a slight difference between minimum credit hours required for certificate completion and total credit hours required if all courses are taken at DeVry. Credit hour differences may benefit students with qualifying transfer credit. Credit hours beyond the minimum may affect program length and cost. Students should contact a student support advisor for more information.

Employment Positions

Employment positions determined to be in field for graduates of the Undergraduate Certificate program in Website Development include Web Developers (15-1254.00). This position is used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the Website Development undergraduate certificate program web page.

Sunsetted Programs

Business Administration Bachelor’s Degree Program (Sunset)

Program Description

Note: The version of this program below is no longer accepting new applicants. This version applies to students whose initial enrollment was the November 2026 session or prior. DeVry's Business Administration program is designed to help students develop competency in applying technology to business strategy, management and decision-making through case studies, team projects, Internet use, web page development, computer applications and systems integration. The program offers majors (concentrations in Illinois and New York) as shown in the following program outline. Students who have not chosen an area of specialization may begin the program in "Undeclared" status; however, they must select a major/concentration (specialization) by the time they have earned 30 semester-credit hours toward their degree.

Programmatic Accreditation / Recognition

- This program is accredited by the Accreditation Council for Business Schools and Programs, demonstrating it has met standards of business education that promote teaching excellence.
- This program, when completed with a Project Management major/concentration, is accredited by Global Accreditation Center for Project Management Education Programs (GAC) of the Project Management Institute.
- The Society for Human Resource Management (SHRM) has acknowledged that this program, with a Human Resource Management major/concentration, aligns with SHRM's *HR Curriculum Guidebook and Templates*.

More information is available in the Accreditation and Authorization section.

Program Alignment

Cultivating Collaborative Team Contributors

This program helps students develop skills essential to launching or advancing in a business career, emphasizing planning and communication capabilities required to navigate in a complex workplace environment. The curriculum, designed for students seeking a broad-based education, integrates both an interdisciplinary foundation and a business core, as it prepares students to pursue a specialization that fits their personal and professional goals.

Career development strategies are integrated throughout the program, and coursework is complemented by contemporary workplace technologies to enhance the learning experience. Students are also introduced to professional associations and industry resources, and have the opportunity to participate in activities to further guide their career journey.

Program Educational Objectives

The program is designed to produce graduates who are able to:
1. Develop the ability to effectively convey information to a variety of business audiences using oral, written, and technological platforms.
2. Apply leadership and conflict management techniques to effectively manage and collaborate within cross-cultural business environments in physical and virtual settings.
3. Develop and maintain the analytical and managerial skills required to address business problems, manage risk, and create new business opportunities in collaborative and dynamic organizations.
4. Evaluate and conduct activities that influence organizational values, ethics, and professional responsibility.
5. Apply comprehensive research using appropriate technologies to solve business problems in the global workforce.
6. Utilize industry-appropriate tools and techniques to identify problems, evaluate solutions, and make decisions that affect daily business operations and long-term strategies across varying organizational structures.

Credential

Bachelor of Science in Business Administration

State-Specific Credential

In New York, Bachelor of Professional Studies in Business Administration; in Ohio, Bachelor of Business Administration

Minimum Credit Hours Required for Completion

124

Time to Complete (Assumes student remains on selected schedule)

- **Normal time to complete:** 4 years, assuming enrollment in 2 semesters per 12-month period
- **Minimum time to complete:** 2 years, 8 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

8 full time, assuming enrollment in 12-19 credit hours per semester; enrollment in additional credit hours may be needed in some semesters

Graduation Requirements

OPTION 1: Business Administration Program with Major/Concentration (Specialization)

Communication Skills – 15 credit hours required

ENGL112 Composition (4)

ENGL135 Advanced Composition (4)

ENGL216 Technical Writing (4)

SPCH275 Public Speaking (3)

Humanities – 9 credit hours required

ETHC445 Principles of Ethics (3)

HUMN303 Introduction to the Humanities (3)

LAS432 Technology, Society, and Culture (3)

Social Sciences – 9 credit hours required

PSYC305 Motivation and Leadership (3)

SOCS185 Culture and Society (3)

Complete 1 of the following:

LAWS310 The Legal Environment (3)

SOCS325 Environmental Sociology (3)

Mathematics and Natural Sciences – 12 credit hours required

MATH114 Algebra for College Students (4)

SCI228 Nutrition, Health and Wellness with Lab (4)

Complete 1 of the following:

MATH200 Quantitative Reasoning (4)

MATH221 Statistics for Decision-Making (4)

Personal and Professional Development – 5 credit hours required

CARD405 Career Development (2)

COLL148 Critical Thinking and Problem-Solving (3)

Business Core – 21 credit hours required

BIAM112 Introduction to AI and Business Analytics (3)

BIS155 Data Analysis with Spreadsheets with Lab (3)

BUSN115 Introduction to Business and Technology (3)

BUSN319 Marketing (3)

COMP121 Computer Applications with AI for Business (2)

MGMT303 Principles of Management (3)

Complete 1 of the following:

ACCT207 Fundamentals of Accounting (4)

ACCT212 Financial Accounting (4)

Planning and Communication – 13 credit hours required

BUSN315 Contemporary Business (3)

BUSN379 Finance (3)

ECON312 Principles of Economics (3)

Complete 1 of the following:

MGMT404 Project Management (4)

PROJ404 Project Management for the Profession (4)

Senior Project – 3 credit hours required

BUSN460 Senior Project (3)

Electives - 10 credit hours required

Electives may be chosen from courses listed in the Course Descriptions section provided they are not used to meet other graduation requirements and prerequisites are met. The following suggested electives ensure students meet prerequisite requirements and offer applied tech skills for today’s business world. Qualifying prior college coursework not meeting other program requirements may be applied toward elective hours.

ACCT360 Managerial Accounting (3)

BIS310 Compliance and Security Management (4)

LEAD430 Consulting and Problem-Solving (3)

Major/Concentration - Select 1 option - Required credits vary by major/concentration

Accounting - 27 credit hours required

ACCT303 Intermediate Accounting I (3)

ACCT306 Intermediate Accounting II (3)

ACCT313 Intermediate Accounting III (3)

ACCT326 Federal Tax Accounting I (3)

ACCT406 Advanced Accounting (3)

ACCT426 Federal Tax Accounting II (3)

ACCT436 Advanced Cost Management (3)

ACCT446 Auditing (3)

ACCT456 Accounting Information Systems with AI (3)

Notes

All students selecting the Accounting major/concentration must take ACCT360 as an elective and ACCT212 as part of the Business Core course area.

New Jersey: Students attending a New Jersey location and selecting the Accounting major/concentration must take ACCT360 in lieu of BUSN315.

Texas: Students selecting the Accounting major/concentration who are interested in sitting for the CPA exam in Texas complete ACCT434, ACCT440 and MGMT330 as elective course options. Successful completion of topics presented in these courses is required to sit for the CPA exam in Texas. Additional requirements also apply to students wishing to sit for the CPA exam; students should check with the Texas Board of Public Accountancy for details.

Business Intelligence and Analytics Management - 27 credit hours required

BIAM300 Managerial Applications of Business Analytics (4)

BIAM400 Applied Business Analytics (4)

BIAM410 Database Concepts in Business Intelligence (4)

BIAM420 Introduction to Internet Analytics (4)

BIAM430 Visualization and Predictive Analytics (4)

BUSN340 Introduction to Risk Analysis (4)

Complete 1 of the following:

BIAM320 Analytics in the Business Environment (3)

BUSN355 AI and Strategic Decision-Making (3)

LEAD430 Consulting and Problem-Solving (3)

Notes

Students selecting the Business Intelligence and Analytics Management major/concentration must take MATH221 within the Mathematics and Natural Sciences course area.

Finance - 28 credit hours required

ACCT303 Intermediate Accounting I (3)

ACCT326 Federal Tax Accounting I (3)

ACCT426 Federal Tax Accounting II (3)

BUSN355 AI and Strategic Decision-Making (3)

FIN351 Investment Fundamentals and Security Analysis (4)

FIN364 Money and Banking (4)

FIN382 Financial Statement Analysis (4)

FIN390 Fixed Income Securities Analysis (4)

Notes

Students selecting the Finance major/concentration must take ACCT212 within the Business Core course area.

Global Supply Chain Management - 28 credit hours required

GSCM206 Managing Operations Across the Supply Chain (4)

GSCM209 Supply Chain Management Decision Support Tools and Applications (4)

GSCM326 Total Quality Management (4)

GSCM330 Strategic Supply and Master Planning (4)

GSCM434 Supply Chain Logistics, Distribution and Warehousing (4)

GSCM440 Supply Chain Procurement Management and Sourcing Strategy (4)

GSCM460 Global Issues in Supply Chain Management (4)

Health Services Management - 28 credit hours required

HSM310 Introduction to Health Services Management (4)

HSM320 Health Rights and Responsibilities (4)

HSM330 Health Services Information Systems (4)

HSM340 Health Services Finance (4)

HSM410 Healthcare Policy (4)

HSM420 Managed Care and Health Insurance (4)

HSM430 Planning and Marketing for Health Services Organizations (4)

Hospitality Management - 28 credit hours required

HOSP310 Introduction to Hospitality Management (4)

HOSP320 Foundations of Hotel Management (4)

HOSP330 Meetings and Events Management (4)

HOSP410 Restaurant Management (4)

HOSP420 Food Safety and Sanitation (4)

HOSP440 Casino Management (4)

HOSP450 Tourism Management (4)

Human Resource Management - 28 credit hours required

BUSN412 Business Policy (4)

HRM320 Employment Law (4)

HRM330 Labor Relations (4)

HRM341 HR Information Systems and AI Applications (4)

HRM410 Strategic Staffing (4)

HRM420 Training and Development (4)

HRM430 Compensation and Benefits (4)

Notes

Students selecting the Human Resource Management major/concentration must take MGMT410 within the Elective course area.

Programmatic Accreditation / Recognition

The Society for Human Resource Management (SHRM) has acknowledged that this program, with a Human Resource Management major/concentration, aligns with SHRM's *HR Curriculum Guidebook and Templates.*

Project Management - 28 credit hours required

PROJ330 Human Resources and Communication in Projects (4)

PROJ410 Contracts and Procurement (4)

PROJ415 Project Quality Management (4)

PROJ420 Project Risk Management (4)

PROJ425 Project Management Methodologies (4)

Complete 1 of the following:

PROJ431 Applied Project Management (4)

PROJ432 Certified Associate Project Management Exam Preparation (4)

Complete 1 of the following:

PROJ435 Project Management Technologies (4)

PROJ440 Construction Project Management (4)

PROJ445 IT Project Management (4)

Notes

Students selecting the Project Management major/concentration must take PROJ404 within the Planning and Communication course area.

PROJ432 provides authorized content enabling students to meet education requirements for the Certified Associate in Project Management (CAPM)® certification exam. As a Premier level Authorized Training Partner (ATP) of the Project Management Institute (PMI), DeVry is authorized to offer this course; faculty teaching this course have completed specialized training and earned the ATP Instructor badge. CAPM is a registered mark of the Project Management Institute, Inc.

Programmatic Accreditation / Recognition

This program, when completed with a Project Management major/concentration, is accredited by the Global Accreditation Center for Project Management Education Programs (GAC) of the Project Management Institute.

Undergraduate Project Management Mission Statement

The mission of DeVry University’s undergraduate project management degree specializations is to educate students with real-world, industry-relevant project management knowledge, tools, techniques, and emerging technological trends needed to manage successful projects in an evolving business environment.

Undergraduate Project Management Program Outcomes

- Apply a broad theoretical and technical understanding of the project management discipline, including the use of generative artificial intelligence (AI) tools, to manage projects successfully.
- Evaluate the various project management concepts and techniques used in the management of projects.

- Implement innovative project approaches to solve specialized business problems in predictable and unpredictable environments.
- Manage complex professional and technical activities creating organizational value and navigate risk in various contexts within the project management framework.
- Assess the impact of internal and external factors that may promote or hinder individual decisions and the management of people, procedures, processes, and projects.

Sales and Marketing - 27 credit hours required

MKTG310 Consumer Behavior (4)

MKTG340 Digital Marketing Fundamentals (3)

MKTG410 Advertising and Public Relations (4)

MKTG435 Marketing Research and Analytics (4)

MKTG445 Brand Management (4)

MKTG455 Current Topics in Marketing (4)

Complete 1 of the following:

MKTG425 Personal Selling and Sales Management (4)

MKTG430 International Marketing (4)

SBE330 Creativity, Innovation and New Product Development (4)

Small Business Management and Entrepreneurship - 27 credit hours required

BUSN258 Customer Relations (4)

LAWS310 The Legal Environment (3)

SBE310 Small Business Management and Entrepreneur-ship (4)

SBE330 Creativity, Innovation and New Product Development (4)

SBE420 Operational Issues in Small Business Management (4)

SBE430 E-Commerce for Small Business (4)

SBE440 Business Plan Writing for Small Businesses and Entrepreneurs (4)

Notes

Students selecting the Small Business Management and Entrepreneurship major/concentration must take SOCS325 within the Social Sciences course area.

OPTION 2: Business Administration Program – General Business Option Plan II

Qualified graduates of approved international three-year business-related programs may select

this option, which provides a direct path to earning a recognized bachelor's degree. International credentials considered for approval – from China, India, Singapore and the United Kingdom, among others – include higher national diplomas, three-year bachelor's degrees and the equivalent.

Plan II also paves the way for graduate study. In lieu of choosing a major/concentration leading to specialized knowledge and skills, students choose to become business generalists, familiar with many aspects of international business and qualified for entry-level opportunities in business areas.

Eligible students receive general credit for 83 semester-credit hours for their qualifying credential and must meet the following additional course requirements for graduation.

Communication Skills - 8 credit hours required

ENGL112 Composition (4)

ENGL135 Advanced Composition (4)

Humanities – 6 credit hours required

ETHC445 Principles of Ethics (3)

LAS432 Technology, Society, and Culture (3)

Social Sciences – 6 credit hours required

LAWS310 The Legal Environment (3)

SOCS325 Environmental Sociology (3)

Personal and Professional Development – 5 credit hours required

CARD405 Career Development (2)

COLL148 Critical Thinking and Problem-Solving (3)

Mathematics and Natural Sciences – 8 credit hours required

SCI228 Nutrition, Health and Wellness with Lab (4)

Complete 1 of the following:

MATH200 Quantitative Reasoning (4)

MATH221 Statistics for Decision-Making (4)

Business – 7 credit hours required

MGMT303 Principles of Management (3)

MGMT404 Project Management (4)

Senior Project – 3 credit hours required

BUSN460 Senior Project (3)

State-Specific Variances

New Jersey: Students enrolled at a New Jersey location must

- Take 127 minimum credit hours
- Take 14 credit hours in Communication Skills instead of 15 by taking ENGL108 in lieu of ENGL112
- Take 30 credits in Business Core by taking BUSN369, BUSN412 and GSCM206, the additional credit hours satisfy the Elective course area requirement
- Take an additional seven semester-credit hours of general education coursework within these course areas: Communication Skills, Humanities, Social Sciences, and Mathematics and Natural Sciences. Humanities and/or Social Sciences courses selected should be upper-division coursework (DeVry courses numbered 300-499)
- Take ACCT360 in lieu of BUSN315, if selecting the Accounting major/concentration
- Take MGMT410 in lieu of BUSN315, if selecting the Human Resource Management major/concentration

Texas: Students selecting the Accounting major/concentration who are interested in sitting for the CPA exam in Texas complete ACCT434, ACCT440 and MGMT330 as elective course options. Successful completion of topics presented in these courses is required to sit for the CPA exam in Texas. Additional requirements also apply to students wishing to sit for the CPA exam; students should check with the Texas Board of Public Accountancy for details.

Programmatic Admission Requirements

Business Administration Program – General Business Option Plan II: Applicants must have earned a business-related credential approved by DeVry for articulation. Credentials that are considered:

- A three-year bachelor of commerce or bachelor of business administration degree that is recognized by an appropriate agency in India.
- A higher national diploma recognized by an appropriate agency.

Program Notes

Students who successfully complete certain courses are eligible to earn a digital badge for the course. Visit the Skills Coursework and Badges section.

There may be a slight difference between minimum credit hours required for graduation and total credit hours required if all courses are taken at DeVry. Credit hour differences may benefit students with qualifying transfer credit. Credit hours beyond the minimum may affect program length and cost. Students should contact a student support advisor for more information.

Students who wish to complete the internship course sequence (INTP491 and INTP492) must request approval from the appropriate academic administrator to take these courses in lieu of one of the major/concentration courses.

Most state boards of accountancy require 150 credit hours of postsecondary education in order to sit for the CPA exam. As this program is less than 150 credit hours, this program alone does not meet minimum credit hour requirements to sit for the CPA exam. Students interested in sitting for the CPA exam should check their state's requirements.

Credits and degrees earned from DeVry do not automatically qualify the holder to participate in professional licensing exams required to practice certain professions. Persons interested in practicing a regulated profession must contact the appropriate state regulatory agency for their field of interest.

Employment Positions

Employment positions determined to be in field for graduates of the Bachelor of Science in Business Administration degree program include General and Operations Managers (11-1021.00), Sales Managers (11-2022.00), Administrative Services Managers (11-3012.00), Industrial Production Managers (11-3051.00), Transportation, Storage, and Distribution Managers (11-3071.00), Construction Managers (11-9021.00), Social and Community Service Managers (11-9151.00), Managers, All Other (11-9199.00), Cost Estimators (13-1051.00), Management Analysts (13-1111.00), Financial Analysts (13-2051.00), Regulatory Affairs Managers (11-9199.01), Compliance Managers (11-9199.02), Supply Chain Managers (11-9199.04), Loss Prevention Managers (11-9199.08). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

Communications Bachelor's Degree Program (Sunset)

Program Description

Note: This program is no longer accepting new applicants. DeVry's Communications program is designed to help students develop a robust set of applied skills that can transfer to a broad range of career opportunities. The program also helps students gain flexibility to enter and advance in diverse areas – such as administration, communications and consulting – in public or private sector industries, including manufacturing, professional services and other areas.

Program Educational Objectives

The program is designed to produce graduates who are able to:
1. Apply a variety of perspectives in analyzing a problem.
2. Deal effectively with diverse, multicultural and multifunctional audiences.
3. Work effectively in team and collaborative environments.
4. Apply critical and analytical thinking to solve complex problems.
5. Communicate effectively both orally and in writing.
6. Demonstrate competency in an area of specialization.

Credential

Bachelor of Science in Communications

Minimum Credit Hours Required for Completion

122

Time to Complete (Assumes student remains on selected schedule)

- **Normal time to complete:** 4 years, assuming enrollment in 2 semesters per 12-month period
- **Minimum time to complete:** 2 years, 8 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

8 full time, assuming enrollment in 12-18 credit hours per semester; enrollment in additional credit hours may be needed in some semesters

Graduation Requirements

Communication Skills – 15 credit hours required

ENGL112: Composition – 4 credit hours

ENGL135: Advanced Composition – 4 credit hours

ENGL216: Technical Writing – 4 credit hours

SPCH275: Public Speaking – 3 credit hours

Humanities – 12 credit hours required

ETHC445: Principles of Ethics – 3 credit hours

HIST405: United States History – 3 credit hours

HUMN303: Introduction to the Humanities – 3 credit hours

LAS432: Technology, Society, and Culture – 3 credit hours

Social Sciences – 15 credit hours required

LAWS310: The Legal Environment – 3 credit hours

POLI330: Political Science – 3 credit hours

PSYC305: Motivation and Leadership – 3 credit hours

SOCS185: Culture and Society – 3 credit hours

SOCS325: Environmental Sociology – 3 credit hours

Mathematics and Natural Sciences – 20 credit hours required

BIOS105: Fundamentals of Human Anatomy and Physiology – 4 credit hours

MATH114: Algebra for College Students – 4 credit hours

MATH221: Statistics for Decision-Making – 4 credit hours

SCI228: Nutrition, Health and Wellness with Lab – 4 credit hours

TECH215: Introduction to Sustainability – 4 credit hours

Personal and Professional Development – 5 credit hours required

CARD405: Career Development – 2 credit hours

COLL148: Critical Thinking and Problem-Solving – 3 credit hours

Applied Technologies – 6 credit hours required

BIAM110: Introduction to Business Analytics – 3 credit hours

BIS155: Data Analysis with Spreadsheets with Lab – 3 credit hours

Business – 19 credit hours required

BIS245: Database Essentials for Business with Lab – 4 credit hours

BUSN115: Introduction to Business and Technology – 3 credit hours

BUSN319: Marketing – 3 credit hours

COMP100: Computer Applications for Business with Lab – 2 credit hours

ECON312: Principles of Economics – 3 credit hours

MGMT404: Project Management – 4 credit hours

Business Communications Concentration – 28 credit hours required

BUSN315: Contemporary Business – 3 credit hours

BUSN412: Business Policy – 4 credit hours

LEAD430: Consulting and Problem Solving – 3 credit hours

MGMT303: Principles of Management – 3 credit hours

MGMT330: Business Communication – 4 credit hours

MKTG340: Digital Marketing Fundamentals – 3 credit hours

TC220: Rhetorical Strategies for Technical Communication – 4 credit hours

TC420: Marketing and Corporate Communications – 4 credit hours

Senior Project – 4 credit hours required

COMM491: Senior Project I – 2 credit hours

COMM492: Senior Project II – 2 credit hours

Program Notes

There may be a slight difference between minimum credit hours required for graduation and total credit hours required if all courses are taken at DeVry. Credit hour differences may benefit students with qualifying transfer credit. Credit hours beyond the minimum may affect program length and cost. Students should contact a student support advisor for more information.

Employment Positions

Employment positions determined to be in field for graduates of the Bachelor of Science in Communications degree program include Public Relations Specialists (27-3031.00); Writers and Authors (27-3043.00); Poets, Lyricists, and Creative Writers (27-3043.05); Editors (27-3041.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

Data Mining & Analytics Certificate Program (Sunset)

Program Description

Note: This program is no longer accepting new applicants. DeVry's Data Mining & Analytics undergraduate certificate program (current program version known as AI & Data Analytics) is an applied curriculum designed to prepare students without a business or technology background to conduct data analysis and evidence-based problem-solving to make sound business and technical decisions about projects, processes and designs. The program explores practical uses for programming, analytics software packages and data mining tools to manage, manipulate and present small to large data sets, which can help students develop the ability to use and/or develop software tools to support organizational decision-making, essential in the workplace. The curriculum also covers strategies for data acquisition, retrieval, storage, management, interpretation and analysis, and introduces predictive analytics, modeling methods and visualization.

Program Alignment

TECH CORE – The Internet of Things Experience

This program features a sequence of Tech Core courses to help build a set of interdisciplinary skills for today's fast changing digital world. These courses teach principles used throughout the Internet of Things (IoT) ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security.

Tech Core curriculum includes course instruction providing a practical, hands-on experience with IoT, cloud, software and security technologies and systems.

Program Educational Objectives

The program is designed to produce graduates who are able to:
1. Retrieve, organize and manipulate data using a variety of mining techniques and analytical tools.
2. Analyze data, test hypotheses, validate claims, and draw conclusions using appropriate statistical and modeling methods.
3. Apply graphical presentation and visual representation techniques to promote understanding and illustration of complex data, process output, and/or system interactions.

Credential

Undergraduate Certificate in Data Mining and Analytics

Minimum Credit Hours Required for Completion

43

Time to Complete (Assumes student remains on selected schedule)

- **Normal time to complete:** 2 years, assuming enrollment in 2 semesters per 12-month period
- **Minimum time to complete:** 1 year, 4 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

4, assuming enrollment in 8-13 credit hours per semester

Graduation Requirements

Mathematics – 8 credit hours required

MATH114: Algebra for College Students – 4 credit hours

TECH221: Data-Driven Decision-Making – 4 credit hours

Tech Core – 9 credit hours required

CEIS101C: Introduction to Technology and Information Systems – 2 credit hours

CEIS106: Introduction to Operating Systems – 4 credit hours

CEIS110: Introduction to Programming – 3 credit hours

Coding and Programming – 11 credit hours required

CEIS150: Programming Objects – 4 credit hours

CEIS236: Database Systems and Programming Fundamentals – 4 credit hours

CIS313: AI-Driven Business Application Coding – 3 credit hours

Data and Analysis – 12 credit hours required

CEIS340: Database Management – 3 credit hours

CIS303: Data Visualization and Presentation – 3 credit hours

CIS306: AI, Machine Learning and Data Science – 3 credit hours

SEC302: Data Administration and Security – 3 credit hours

Career Preparation – 3 credit hours required

CARD205: Career Development – 2 credit hours

CEIS298: Introduction to Technical Project Management – 1 credit hour

Employment Positions

Employment positions determined to be in field for graduates of the Undergraduate Certificate program in Data Mining and Analytics include Software Developers (15-1252.00); Web Administrators (15-1299.01). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

Health Information Technology Associate Degree Program (Sunset)

Program Description

Note: The version of this program below is no longer accepting new applicants. This version applies to students whose initial enrollment was the January 2024 session or prior. DeVry's Health Information Technology (HIT) program prepares graduates to work with health data, applications systems and electronic health information databases. Given the importance of information accuracy, privacy and security, HIT graduates are prepared for involvement in regulatory compliance and quality assessment activities designed to ensure that health information systems support patient care and safety. They work with nurses, physicians, other healthcare providers, and managers and technical specialists in various settings such as hospitals, long-term-care facilities, insurance and managed care organizations, government agencies and vendor firms.

Programmatic Accreditation / Recognition

This program is accredited by the **Commission on Accreditation for Health Informatics and Information Management Education**.

More information is available in the Accreditation and Authorization section.

Program Educational Objectives

The program is designed to produce graduates who are able to:
1. Evaluate healthcare data to apply diagnosis and procedure codes, ensure integrity of healthcare documentation, validate secondary data sources, and ensure compliance with standards.
2. Understand and apply legal concepts to protect the confidentiality, privacy, and security of protected health information.
3. Support healthcare data utilization, health information management functions, research, and health information exchange through the use of information systems and data analytics.
4. Explain and apply reimbursement processes, methodologies, and revenue cycle.
5. Analyze and apply legal and regulatory requirements to ensure organizational compliance.
6. Understand and apply organizational leadership, change management and process improvement.
DeVry accomplishes these goals by:
1. Providing an academic program that develops a sound foundation in analytical, technical and management competencies associated with health data and health records systems management within a healthcare setting.
2. Incorporating professional practice activities and labs to provide the appropriate level of applications experience.
3. Integrating general learning in sciences and computers to support achievement of competencies.

Credential

Associate of Applied Science in Health Information Technology

Minimum Credit Hours Required for Completion

67

Time to Complete (Assumes student remains on selected schedule)

- **Normal time to complete:** 2 years, assuming enrollment in 2 semesters per 12-month period
- **Minimum time to complete:** 1 year, 4 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

4 full time, assuming enrollment in 16-18 credit hours per semester; enrollment in additional credit hours may be needed in some semesters

Graduation Requirements

Communication Skills – 4 credit hours required

ENGL112: Composition – 4 credit hours

Humanities – 3 credit hours required

ETHC232: Ethical and Legal Issues in the Professions – 3 credit hours

Social Sciences – 3 credit hours required

SOCS185: Culture and Society – 3 credit hours

Mathematics and Natural Sciences – 15 credit hours required

BIOS105: Fundamentals of Human Anatomy and Physiology – 4 credit hours

BIOS268: Pathopharmacology – 3 credit hours

MATH114: Algebra for College Students – 4 credit hours

MATH221: Statistics for Decision-Making – 4 credit hours

Personal and Professional Development – 5 credit hours required

CARD205: Career Development – 2 credit hours

COLL148: Critical Thinking and Problem-Solving – 3 credit hours

Computer Applications – 2 credit hours required

COMP100: Computer Applications for Business with Lab – 2 credit hours

Health Information Technology – 35 credit hours required

HIT111: Basic Medical Terminology – 3 credit hours

HIT120: Introduction to Health Services and Information Systems – 4 credit hours

HIT141: Health Information Processes with Lab – 4 credit hours

HIT170: Health Information Fundamentals Practicum – 2 credit hours

HIT203: International Classification of Diseases Coding I with Lab – 3 credit hours

HIT205: International Classification of Diseases Coding II with Lab – 3 credit hours

HIT211: Current Procedural Terminology Coding with Lab – 4 credit hours

HIT220: Legal and Regulatory Issues in Health Information – 2 credit hours

HIT226: Data Applications and Healthcare Quality with Lab – 3 credit hours

HIT230: Health Insurance and Reimbursement – 3 credit hours

HIT272: Health Information Practicum Capstone – 3 credit hours

HIT274: RHIT Certification Exam Preparation – 1 credit hour

Program-Specific Policies

Those who have earned an associate degree in HIT through DeVry University can apply eligible coursework in the associate degree program toward DeVry's bachelor's degree in Technical Management.

Program Notes

For all students, the HIT272 practicum course requires a substantial number of hours of professional practice time in an approved external healthcare setting. Practice time is generally completed during traditional business hours.

Students should note that future programmatic changes could impact application of credit to a future program. Contact a student support advisor for more information.

There may be a slight difference between minimum credit hours required for graduation and total credit hours required if all courses are taken at DeVry. Credit hour differences may benefit students with qualifying transfer credit. Credit hours beyond the minimum may affect program length and cost. Students should contact their student support advisor for more information.

Employment Positions

Employment positions determined to be in field for graduates of the Associate of Applied Science in Health Information Technology (in New Jersey, Associate in Applied Science in Health Information Technology) degree program include Health Information Technologists and Medical Registrars (29-9021.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

Healthcare Administration Bachelor's Degree Program (Sunset)

Program Description

Note: The version of this program below is no longer accepting new applicants. This version applies to students whose initial enrollment was the May 2024 session or prior. DeVry's Healthcare Administration program is designed to prepare graduates to become managers and support professionals in the healthcare field as well as in related industries. The program helps develop versatile professionals who, using a collaborative approach, apply knowledge of information systems, policy, accounting, budgeting and analysis in diverse healthcare provider settings. The combination of management skills and knowledge of current issues in health services and systems provides Healthcare Administration graduates with a solid foundation on which to begin their healthcare careers.

Program Educational Objectives

The program is designed to produce graduates who are able to:
1. Analyze, design and implement practical approaches to solve and prevent business problems in healthcare settings.
2. Sustain a working understanding of evolving issues in the healthcare industry.
3. Collaborate with others to deliver professional healthcare services in diverse work environments.
4. Apply project management and business analysis principles.
5. Communicate effectively both orally and in writing.

Credential

Bachelor of Science in Healthcare Administration

Minimum Credit Hours Required for Completion

126

Time to Complete (Assumes student remains on selected schedule)

- **Normal time to complete:** 4 years, assuming enrollment in 2 semesters per 12-month period
- **Minimum time to complete:** 2 years, 8 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

8 full time, assuming enrollment in 13-18 credit hours per semester; enrollment in additional credit hours may be needed in some semesters

Graduation Requirements

Communication Skills – 15 credit hours required

ENGL112: Composition – 4 credit hours

ENGL135: Advanced Composition – 4 credit hours

ENGL216: Technical Writing – 4 credit hours

SPCH275: Public Speaking – 3 credit hours

Humanities – 9 credit hours required

ETHC445: Principles of Ethics – 3 credit hours

HUMN303: Introduction to the Humanities – 3 credit hours

LAS432: Technology, Society, and Culture – 3 credit hours

Social Sciences – 9 credit hours required

ECON312: Principles of Economics – 3 credit hours

SOCS185: Culture and Society – 3 credit hours

SOCS325: Environmental Sociology – 3 credit hours

Mathematics and Natural Sciences – 12 credit hours required

MATH114: Algebra for College Students – 4 credit hours

MATH221: Statistics for Decision-Making – 4 credit hours

SCI228: Nutrition, Health and Wellness with Lab – 4 credit hours

Personal and Professional Development – 5 credit hours required

CARD405: Career Development – 2 credit hours

COLL148: Critical Thinking and Problem-Solving – 3 credit hours

Business and Technology – 34 credit hours required

ACCT212: Financial Accounting – 4 credit hours

ACCT346: Managerial Accounting – 4 credit hours

BIS155: Data Analysis with Spreadsheets with Lab – 3 credit hours

BIS245: Database Essentials for Business with Lab – 4 credit hours

BUSN115: Introduction to Business and Technology – 3 credit hours

BUSN350: Business Analysis – 3 credit hours

COMP100: Computer Applications for Business with Lab – 2 credit hours

HIM375: Healthcare Data Security and Privacy – 4 credit hours

MGMT303: Principles of Management – 3 credit hours

MGMT404: Project Management – 4 credit hours

Health Services – 24 credit hours required

HSM310: Introduction to Health Services Management – 4 credit hours

HSM320: Health Rights and Responsibilities – 4 credit hours

HSM330: Health Services Information Systems – 4 credit hours

HSM340: Health Services Finance – 4 credit hours

HSM410: Healthcare Policy – 4 credit hours

HSM420: Managed Care and Health Insurance – 4 credit hours

Senior Project – 3 credit hours

BUSN460: Senior Project – 3 credit hours

Healthcare Management Track – 16 credit hours required

BIAM110: Introduction to Business Analytics – 3 credit hours

BUSN319: Marketing – 3 credit hours

HIM335: Health Information Systems and Networks with Lab – 3 credit hours

HIM410: Health Information Financial Management – 3 credit hours

MGMT410: Human Resource Management – 4 credit hours

State-Specific Variances

Virginia: In Virginia, certain educational and training requirements must be satisfied for initial nursing home administrator licensure or initial assisted living facility administrator licensure, DeVry's program does not satisfy the educational and/or training requirements.

Program Notes

DeVry's Healthcare Administration program is not designed to prepare graduates for nursing home, assisted living facility, long-term-care or home care administrator positions. Students interested in practicing a regulated profession must contact the appropriate state regulatory agency for certification or licensure requirements.

There may be a slight difference between minimum credit hours required for graduation and total credit hours required if all courses are taken at DeVry. Credit hour differences may benefit students with qualifying transfer credit. Credit hours beyond the minimum may affect program length and cost. Students should contact a student support advisor for more information.

Employment Positions

Employment positions determined to be in field for graduates of the Bachelor of Science in Healthcare Administration degree program include Medical and Health Services Managers (11-9111.00), Administrative Services Managers (11-3012.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

Justice Administration Bachelor's Degree Program (Sunset)

Program Description

Note: This program is no longer accepting new applicants. The Justice Administration program provides students with a background in various aspects of the criminal justice system and prepares students to adapt to change in this dynamic field. The program is designed to meet the education needs of individuals seeking to begin careers in criminal justice, as well as those currently working in the field or with related experience. Coursework is intended to augment government-required training programs. The program offers tracks as shown in the following program outline. Students who have not chosen an area of specialization may begin the program in "Undeclared" status; however, they must select a track by the time they have earned 45 semester-credit hours toward their degree.

Program Educational Objectives

The program is designed to produce graduates who are able to:
1. Analyze issues confronting criminal justice systems and recommend policies, procedures and/or practices to address them.
2. Apply ethical, legal and regulatory principles in evaluating policies and procedures and in determining a course of action in the practice of criminal justice.
3. Demonstrate the ability to work with diverse professional/peer, offender, and community populations.
4. Communicate effectively both orally and in writing.
5. Apply information literacy and problem-solving skills that support lifelong personal and professional development.

Credential

Bachelor of Science in Justice Administration

Minimum Credit Hours Required for Completion

122

Time to Complete (Assumes student remains on selected schedule)

- **Normal time to complete:** 4 years, assuming enrollment in 2 semesters per 12-month period
- **Minimum time to complete:** 2 years, 8 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

8 full time, assuming enrollment in 13-18 credit hours per semester; enrollment in additional credit hours may be needed in some semesters

Graduation Requirements

Communication Skills – 15 credit hours required

ENGL112: Composition – 4 credit hours

ENGL135: Advanced Composition – 4 credit hours

ENGL216: Technical Writing – 4 credit hours

SPCH275: Public Speaking – 3 credit hours

Humanities – 9 credit hours required

ETHC445: Principles of Ethics – 3 credit hours

HUMN303: Introduction to the Humanities – 3 credit hours

LAS432: Technology, Society, and Culture – 3 credit hours

Social Sciences – 9 credit hours required

POLI330: Political Science – 3 credit hours

SOCS185: Culture and Society – 3 credit hours

SOCS325: Environmental Sociology – 3 credit hours

Mathematics and Natural Sciences – 12 credit hours required

MATH114: Algebra for College Students – 4 credit hours

MATH221: Statistics for Decision-Making – 4 credit hours

SCI228: Nutrition, Health and Wellness with Lab – 4 credit hours

Personal and Professional Development – 5 credit hours required

CARD405: Career Development – 2 credit hours

COLL148: Critical Thinking and Problem-Solving – 3 credit hours

Business – 4 credit hours required

MGMT404: Project Management – 4 credit hours

Computing – 2 credit hours required

COMP121: Computer Applications with AI for Business – 2 credit hours

Justice Administration Foundation – 48 credit hours required

CRMJ300: Criminal Justice – 3 credit hours

CRMJ310: Law Enforcement – 3 credit hours

CRMJ315: Juvenile Justice – 3 credit hours

CRMJ320: Theory and Practice of Corrections – 3 credit hours

CRMJ400: Criminology – 3 credit hours

CRMJ410: Criminal Law and Procedure – 3 credit hours

CRMJ425: Ethics and Criminal Justice – 3 credit hours

JADM200: Introduction to Criminal Law – 3 credit hours

JADM240: Introduction to the Criminal Courts – 3 credit hours

JADM250: Police Report Writing – 3 credit hours

JADM270: Correctional Counseling – 3 credit hours

JADM310: Drugs and Society – 3 credit hours

JADM330: Victimology – 3 credit hours

JADM340: Criminal Evidence – 3 credit hours

JADM350: Research Methods in Criminal Justice – 3 credit hours

PSYC305: Motivation and Leadership – 3 credit hours

Senior Project – 4 credit hours required

JADM490: Senior Project I – 2 credit hours

JADM494: Senior Project II – 2 credit hours

Track – one track selected – 15 credit hours required

• **Digital Forensics – 15 credit hours required**

BUSN340: Introduction to Risk Analysis - 4 credit hours

JADM403: Cybercrime – 3 credit hours

SEC305: Cybersecurity and Data Privacy – 4 credit hours

SEC335: Incident Response and Digital Forensics - 4 credit hours

• **Homeland Security Studies – 15 credit hours required**

CRMJ450: Terrorism Investigation – 3 credit hours

JADM455: Emergency Management – 3 credit hours

JADM480: Homeland Security and Terrorism – 3 credit hours

JADM485: Security Intelligence Analysis – 3 credit hours

POLI457: International Relations – 3 credit hours

• **Policing – 15 credit hours required**

CRMJ420: Criminal Investigation – 3 credit hours

CRMJ450: Terrorism Investigation – 3 credit hours

JADM400: Interviewing and Interrogation – 3 credit hours

JADM403: Cybercrime – 3 credit hours

JADM413: Police Administration – 3 credit hours

Program Notes

Applicants for jobs in the justice administration field may be subject to pre-employment screenings such as, but not limited to, criminal background checks, drug and/or alcohol testing, physical and/or psychological examinations and credit checks. Unsatisfactory screening results may result in denial of an offer for a position in the justice administration field.

Additional government-required training programs or years of relevant experience may be necessary to obtain employment in this field. Students should contact their state department of criminal justice to verify training and education requirements.

There may be a slight difference between minimum credit hours required for graduation and total credit hours required if all courses are taken at DeVry. Credit hour differences may benefit students with qualifying transfer credit. Credit hours beyond the minimum may affect program length and cost. Students should contact a student support advisor for more information.

Employment Positions

Employment positions determined to be in field for graduates of the Bachelor of Science in Justice Administration degree program include First-Line Supervisors of Police and Detectives (33-1012.00), Correctional Officers and Jailers (33-3012.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

Management Bachelor's Degree Program (Sunset)

Program Description

Note: This program is no longer accepting new applicants. DeVry's Management program (current program version known as Business Management) is designed to prepare graduates to join the workforce as management professionals in a wide variety of industries through coursework that helps students develop knowledge and skills needed to adapt in a rapidly changing, dynamic and competitive global marketplace. Concentrations are offered as shown in the following program outline. Students who have not chosen an area of specialization may begin the program in "Undeclared" status; however, they must select a concentration by the time they have earned 45 semester-credit hours toward their degree.

Programmatic Accreditation / Recognition

This program is accredited by the **Accreditation Council for Business Schools and Programs**, demonstrating it has met standards of business education that promote teaching excellence.

This program, when completed with a Project Management concentration, is accredited by the **Global Accreditation Center for Project Management Education Programs** (GAC) of the Project Management Institute.

The **Society for Human Resource Management** (SHRM) has acknowledged that this program, with a Human Resource Management concentration, aligns with SHRM's HR Curriculum Guidebook and Templates.

More information is available in the Accreditation and Authorization section.

Program Alignment

BUSINESS CORE – Essential Skills for Today's Workplace

This program features a series of essential Business Core courses to help build interdisciplinary skills critical to workplace success. Courses introduce students to key disciplines that support business careers and cover concepts related to general business principles, including accounting, marketing, management and analytics that inform business decision-making.

Business Core coursework also introduces students to contemporary workplace applications. In each course, the learning experience is enhanced through activities that help students apply course material, while shaping future education and career choices.

Program Educational Objectives

The program is designed to produce graduates who are able to:
1. Develop the skills to effectively communicate quality information to a variety of business audiences using oral, written, and technological platforms.
2. Apply comprehensive research using appropriate technologies to solve business problems in the global workforce.
3. Apply fundamental management theories and resource management techniques to influence organizational performance to promote continuous improvement.
4. Apply leadership, resource management, and conflict management techniques to effectively manage and collaborate within cross-cultural business environments.
5. Evaluate stakeholder influence on organizational values, ethics, and professional responsibility.

Credential

Bachelor of Science in Management

Minimum Credit Hours Required for Completion

122

Time to Complete (Assumes student remains on selected schedule)

- **Normal time to complete**: 4 years, assuming enrollment in 2 semesters per 12-month period
- **Minimum time to complete:** 2 years, 8 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

8 full time, assuming enrollment in 12-19 credit hours per semester; enrollment in additional credit hours may be needed in some semesters

Graduation Requirements

Communication Skills – 8 credit hours required

ENGL112: Composition – 4 credit hours

ENGL135: Advanced Composition – 4 credit hours

Humanities – 6 credit hours required

ETHC445: Principles of Ethics – 3 credit hours

LAS432: Technology, Society, and Culture – 3 credit hours

Social Sciences – 6 credit hours required

ECON312: Principles of Economics – 3 credit hours

SOCS185: Culture and Society – 3 credit hours

Mathematics and Natural Sciences – 12 credit hours required

MATH114: Algebra for College Students – 4 credit hours

SCI228: Nutrition, Health and Wellness with Lab – 4 credit hours

One of:

MATH200: Quantitative Reasoning – 4 credit hours

MATH221: Statistics for Decision-Making – 4 credit hours

Additional General Education Selection – 3 credit hours required

SPCH275: Public Speaking – 3 credit hours

Personal and Professional Development – 5 credit hours required

CARD405: Career Development – 2 credit hours

COLL148: Critical Thinking and Problem-Solving – 3 credit hours

Business Core – 18 credit hours required

BIS155: Data Analysis with Spreadsheets with Lab – 3 credit hours

BUSN115: Introduction to Business and Technology – 3 credit hours

BUSN319: Marketing – 3 credit hours

COMP100: Computer Applications for Business with Lab – 2 credit hours

MGMT303: Principles of Management – 3 credit hours

One of:

ACCT207: Fundamentals of Accounting – 4 credit hours

ACCT212: Financial Accounting – 4 credit hours

Management and Leadership – 23 credit hours required

BIAM110: Introduction to Business Analytics – 3 credit hours

BUSN278: Budgeting and Forecasting – 4 credit hours

BUSN369: International Business – 4 credit hours

LEAD335: Cross-Cultural Leadership – 4 credit hours

MGMT410: Human Resource Management – 4 credit hours

One of:

MGMT404: Project Management – 4 credit hours

PROJ404: Project Management for the Profession – 4 credit hours

Senior Project – 3 credit hours required

BUSN460: Senior Project – 3 credit hours

Analytics and Computing – by Concentration – 11 credit hours required

Analytics – for all students except those selecting the Business Intelligence and Analytics Management concentration – 11 credit hours required

The Analytics course sequence is for students who want to learn how to implement business analytics and modelling techniques. Students leverage traditional and big data sources as well as design, develop and implement data warehouse solutions.

ACCT346: Managerial Accounting – 4 credit hours

BIAM300: Managerial Applications of Business Analytics – 4 credit hours

BUSN379: Finance – 3 credit hours

Computing – for students selecting the Business Intelligence and Analytics Management concentration – 11 credit hours required

The Computing course sequence is for students who want to develop a basic understanding of programming logic, databases, scripting languages, web applications applied to business models, and integrating text and graphics into web environments.

CEIS110: Introduction to Programming – 3 credit hours

CEIS150: Programming Objects – 4 credit hours

CEIS209: Intermediate Programming – 4 credit hours

Concentration – one concentration selected – required credit hours vary by concentration

- **Accounting – 27 credit hours required**

ACCT303: Intermediate Accounting I – 3 credit hours

ACCT306: Intermediate Accounting II – 3 credit hours

ACCT313: Intermediate Accounting III – 3 credit hours

ACCT326: Federal Tax Accounting I – 3 credit hours

ACCT406: Advanced Accounting – 3 credit hours

ACCT426: Federal Tax Accounting II – 3 credit hours

ACCT436: Advanced Cost Management – 3 credit hours

ACCT446: Auditing – 3 credit hours

ACCT454: Accounting Information Systems with Lab – 3 credit hours

• **Business Intelligence and Analytics Management – 27 credit hours required**

BIAM300: Managerial Applications of Business Analytics – 4 credit hours

BIAM400: Applied Business Analytics – 4 credit hours

BIAM410: Database Concepts in Business Intelligence – 4 credit hours

BIAM420: Introduction to Internet Analytics – 4 credit hours

BUSN350: Business Analysis – 3 credit hours

GSCM206: Managing Operations Across the Supply Chain – 4 credit hours

GSCM209: Supply Chain Management Decision Support Tools and Applications – 4 credit hours

• **Finance – 28 credit hours required**

ACCT303: Intermediate Accounting I – 3 credit hours

ACCT326: Federal Tax Accounting I – 3 credit hours

ACCT426: Federal Tax Accounting II – 3 credit hours

ACCT436: Advanced Cost Management – 3 credit hours

FIN351: Investment Fundamentals and Security Analysis – 4 credit hours

FIN364: Money and Banking – 4 credit hours

FIN382: Financial Statement Analysis – 4 credit hours

FIN390: Fixed Income Securities Analysis – 4 credit hours

• **Global Supply Chain Management – 28 credit hours required**

GSCM206: Managing Operations Across the Supply Chain – 4 credit hours

GSCM209: Supply Chain Management Decision Support Tools and Applications – 4 credit hours

GSCM326: Total Quality Management – 4 credit hours

GSCM330: Strategic Supply and Master Planning – 4 credit hours

GSCM434: Supply Chain Logistics, Distribution and Warehousing – 4 credit hours

GSCM440: Supply Chain Procurement Management and Sourcing Strategy – 4 credit hours

GSCM460: Global Issues in Supply Chain Management – 4 credit hours

• **Health Services Management – 28 credit hours required**

HSM310: Introduction to Health Services Management – 4 credit hours

HSM320: Health Rights and Responsibilities – 4 credit hours

HSM330: Health Services Information Systems – 4 credit hours

HSM340: Health Services Finance – 4 credit hours

HSM410: Healthcare Policy – 4 credit hours

HSM420: Managed Care and Health Insurance – 4 credit hours

HSM430: Planning and Marketing for Health Services Organizations – 4 credit hours

- **Hospitality Management – 28 credit hours required**

HOSP310: Introduction to Hospitality Management – 4 credit hours

HOSP320: Foundations of Hotel Management – 4 credit hours

HOSP330: Meetings and Events Management – 4 credit hours

HOSP410: Restaurant Management – 4 credit hours

HOSP420: Food Safety and Sanitation – 4 credit hours

HOSP440: Casino Management – 4 credit hours

HOSP450: Tourism Management – 4 credit hours

- **Human Resource Management – 28 credit hours required**

BUSN412: Business Policy – 4 credit hours

HRM320: Employment Law – 4 credit hours

HRM330: Labor Relations – 4 credit hours

HRM340: Human Resource Information Systems – 4 credit hours

HRM410: Strategic Staffing – 4 credit hours HRM420: Training and Development – 4 credit hours

HRM430: Compensation and Benefits – 4 credit hours

- **Project Management – 27 credit hours required**

ACCT436: Advanced Cost Management – 3 credit hours

GSCM326: Total Quality Management – 4 credit hours

MGMT340: Business Systems Analysis – 4 credit hours

PROJ330: Human Resources and Communication in Projects – 4 credit hours

PROJ410: Contracts and Procurement – 4 credit hours

PROJ420: Project Risk Management – 4 credit hours

PROJ432: Advanced Project Management – 4 credit hours

- **Sales and Marketing – 27 credit hours required**

MKTG310: Consumer Behavior – 4 credit hours MKTG320: Market Research – 4 credit hours

MKTG340: Digital Marketing Fundamentals – 3 credit hours

MKTG410: Advertising and Public Relations – 4 credit hours

MKTG425: Personal Selling and Sales Management – 4 credit hours

MKTG430: International Marketing – 4 credit hours

SBE330: Creativity, Innovation and New Product Development – 4 credit hours

- **Small Business Management and Entrepreneurship – 28 credit hours required**

BUSN258: Customer Relations – 4 credit hours

BUSN412: Business Policy – 4 credit hours

SBE310: Small Business Management and Entrepreneurship – 4 credit hours

SBE330: Creativity, Innovation and New Product Development – 4 credit hours

SBE420: Operational Issues in Small Business Management – 4 credit hours

SBE430: E-Commerce for Small Business – 4 credit hours

SBE440: Business Plan Writing for Small Businesses and Entrepreneurs – 4 credit hours

State-Specific Variances

Ohio: Ohio residents enrolled as online students, and students enrolled at an Ohio location, must take an additional natural sciences course from those with prefixes BIOS or SCI, or TECH204, which may be applied to the electives course area.

Texas: Students selecting the Accounting concentration interested in sitting for the CPA exam in Texas complete ACCT434, ACCT440 and MGMT330 as elective course options instead of the Analytics option within the Analytics and Computing course area. Successful completion of topics presented in these courses is required to sit for the CPA exam in Texas. Additional requirements also apply to students wishing to sit for the CPA exam; students should check with the Texas Board of Public Accountancy for details.

Program-Specific Policies

Students selecting the Business Intelligence and Analytics Management concentration must take MATH221 within the Mathematics and Natural Sciences course area.
Students selecting the Accounting or Finance concentration must take ACCT212 within the Business Core course area.
Students selecting the Project Management concentration must take PROJ404 within the Management and Leadership course area.

Program Notes

PROJ432 provides authorized content enabling students to meet education requirements for the **Certified Associate in Project Management** (CAPM)® certification exam. As a Premier level Authorized Training Partner (ATP) of the Project Management Institute (PMI), DeVry is authorized to offer this course; faculty teaching this course have completed specialized training and earned the ATP Instructor badge. CAPM is a registered mark of the Project Management Institute, Inc.

There may be a slight difference between minimum credit hours required for graduation and total credit hours required if all courses are taken at DeVry. Credit hour differences may benefit students with qualifying transfer credit. Credit hours beyond the minimum may affect program length and cost. Students should contact a student support advisor.

Students should check with their advisor to determine if they are able to apply prior credits to satisfy degree requirements, especially in General Education course areas (Communication Skills, Humanities, Social Sciences, and Mathematics and Natural Sciences). A minimum of six credit hours is required in each General Education course area.

Most state boards of accountancy require 150 credit hours of postsecondary education in order to sit for the CPA exam. As this program is less than 150 credit hours, this program alone does not meet the minimum credit hour requirements to sit for the CPA exam. Students interested in sitting for the CPA exam should check their state’s requirements.

Credits and degrees earned from DeVry do not automatically qualify the holder to participate in professional licensing exams required to practice certain professions. Persons interested in practicing a regulated profession must contact the appropriate state regulatory agency for their field of interest.

Employment Positions

Employment positions determined to be in field for graduates of the Bachelor of Science in Management degree program include General and Operations Managers (11-1021.00), Sales Managers (11-2022.00), Administrative Services Managers (11-3012.00), Industrial Production Managers (11-3051.00), Transportation, Storage, and Distribution Managers (11-3071.00), Construction Managers (11-9021.00), Social and Community Service Managers (11-9151.00), Managers, All Other (11-9199.00), Cost Estimators (13-1051.00), Management Analysts (13-1111.00), Financial Analysts (13-2051.00), Regulatory Affairs Managers (11-9199.01), Compliance Managers (11-9199.02), Supply Chain Managers (11-9199.04), Loss Prevention Managers (11-9199.08). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

Medical Billing & Coding Certificate Program (Sunset)

Program Description

Note: The version of this program below is no longer accepting new applicants. This version applies to students whose initial enrollment was the January 2024 session or prior. DeVry's Medical Billing & Coding (MBC) undergraduate certificate program provides students with knowledge, skills and abilities needed to function as entry-level coding specialists in the health information management field. Coursework, taught from the practitioner's perspective, focuses on skills and coding competencies used in settings such as hospitals and physician practices. The MBC certificate can help students who are new to health coding begin their professional journey.

Program Alignment

DIGITAL HEALTH CORE – Essential Health Information Skills for Modern Healthcare

This program includes DeVry's Digital Health Core series of courses, designed to help students develop a set of interdisciplinary skills for today's rapidly evolving health information field. Courses explore principles used throughout the healthcare ecosystem, exposing students to essential topics related to medical terminology, compliance, ethics, electronic medical records, patient privacy and digital aspects of the healthcare delivery system.

The Digital Health Core curriculum also provides students hands-on experience with industry-standard software systems and simulated patient records.

Program Educational Objectives

The program is designed to produce graduates who are able to:
1. Demonstrate understanding of inpatient and outpatient coding guidelines.
2. Apply knowledge of health records and data content.
3. Explain reimbursement processes and methodologies.
4. Relate compliance topics to coding functions.
5. Describe various information technologies used to perform coding functions.
6. Recognize, and be sensitive to, issues of confidentiality and privacy.

Credential

Undergraduate Certificate in Medical Billing and Coding

Minimum Credit Hours Required for Completion

34

Time to Complete (Assumes student remains on selected schedule)

- **Normal time to complete**: 1 year, 2 months, assuming enrollment in 2 semesters per 12-month period

- **Minimum time to complete**: 10 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

3, assuming enrollment in 10-13 credit hours per semester

Graduation Requirements

Natural Sciences – 7 credit hours required

BIOS105: Fundamentals of Human Anatomy and Physiology – 4 credit hours

BIOS268: Pathopharmacology – 3 credit hours

Health Information Technology – 27 credit hours required

HIT111: Basic Medical Terminology – 3 credit hours

HIT120: Introduction to Health Services and Information Systems – 4 credit hours

HIT141: Health Information Processes with Lab – 4 credit hours

HIT203: International Classification of Diseases Coding I with Lab – 3 credit hours

HIT205: International Classification of Diseases Coding II with Lab – 3 credit hours

HIT211: Current Procedural Terminology Coding with Lab – 4 credit hours

HIT230: Health Insurance and Reimbursement – 3 credit hours

HIT253: Coding Practicum and Review – 3 credit hours

Programmatic Admission Requirements

Applicants must demonstrate proficiency in composition beyond transitional studies or successfully complete BUSN062 in their first session. The Math placement exam is not required for this program. Required transitional studies coursework may affect program length and cost.

Program-Specific Policies

Students who complete the MBC certificate and who are later admitted to DeVry’s MBC – HIC undergraduate certificate program may not be eligible for financial assistance. Students should contact their student support advisor for more information.
Those who have earned an MBC certificate can apply eligible credits earned toward DeVry’s associate degree in Health Information Technology or bachelor’s degree in Technical Management. Students should note that future programmatic changes could impact application of credit to a future program. Contact a student support advisor for more information.

Program Notes

The MBC certificate program includes material addressed in the Certified Coding Associate

(CCA) and Certified Professional Coder (CPC) certification exams. Information on qualifications for the exams is available at https://www.ahima.org/certification/CCA and https://www.aapc.com/certifications/cpc.

There may be a slight difference between minimum credit hours required for certificate completion and total credit hours required if all courses are taken at DeVry. Credit hour differences may benefit students with qualifying transfer credit. Credit hours beyond the minimum may affect program length and cost. Students should contact their student support advisor for more information.

Employment Positions

Employment positions determined to be in field for graduates of the Undergraduate Certificate program in Medical Billing and Coding include Medical Records Specialists (29-2072.00), Health Information Technologists and Medical Registrars (29-9021.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

Medical Billing & Coding – Health Information Coding Certificate Program (Sunset)

Program Description

Note: The version of this program below is no longer accepting new applicants. This version applies to students whose initial enrollment was the January 2024 session or prior. DeVry's Medical Billing & Coding – Health Information Coding (MBC – HIC) undergraduate certificate program provides students with knowledge, skills and abilities needed to function as entry-level coding specialists in the health information management field. Coursework, taught from the practitioner's perspective, focuses on skills and coding competencies used in settings such as hospitals and physician practices. The MBC – HIC undergraduate certificate can help those with previous coursework or experience prepare for more advanced entry-level positions.

Program Alignment

DIGITAL HEALTH CORE – Essential Health Information Skills for Modern Healthcare

This program includes DeVry's Digital Health Core series of courses, designed to help students develop a set of interdisciplinary skills for today's rapidly evolving health information field. Courses explore principles used throughout the healthcare ecosystem, exposing students to essential topics related to medical terminology, compliance, ethics, electronic medical records, patient privacy and digital aspects of the healthcare delivery system.

The Digital Health Core curriculum also provides students hands-on experience with industry-standard software systems and simulated patient records.

Program Educational Objectives

The program is designed to produce graduates who are able to:
1. Demonstrate understanding of inpatient and outpatient coding guidelines.
2. Apply knowledge of health records and data content.
3. Explain reimbursement processes and methodologies.
4. Relate compliance topics to coding functions.
5. Describe various information technologies used to perform coding functions.
6. Recognize, and be sensitive to, issues of confidentiality and privacy.

Credential

Undergraduate Certificate in Medical Billing and Coding – Health Information Coding

Minimum Credit Hours Required for Completion

42

Time to Complete (Assumes student remains on selected schedule)

o **Normal time to complete**: 1 year, 4 months, assuming enrollment in 2 semesters per 12-month period

o **Minimum time to complete**: 12 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

3, assuming enrollment in 11-17 credit hours per semester

Graduation Requirements

Natural Sciences – 7 credit hours required

BIOS105: Fundamentals of Human Anatomy and Physiology – 4 credit hours

BIOS268: Pathopharmacology – 3 credit hours

Health Information Technology – 35 credit hours required

HIT111: Basic Medical Terminology – 3 credit hours

HIT120: Introduction to Health Services and Information Systems – 4 credit hours

HIT141: Health Information Processes with Lab – 4 credit hours

HIT203: International Classification of Diseases Coding I with Lab – 3 credit hours

HIT205: International Classification of Diseases Coding II with Lab – 3 credit hours

HIT211: Current Procedural Terminology Coding with Lab – 4 credit hours

HIT213: Current Procedural Terminology Coding II with Lab – 3 credit hours

HIT220: Legal and Regulatory Issues in Health Information – 2 credit hours

HIT230: Health Insurance and Reimbursement – 3 credit hours

HIT260: Coding Practicum with Lab – 3 credit hours

HIT262: CCS Review – 3 credit hours

Programmatic Admission Requirements

Applicants must demonstrate proficiency in composition beyond transitional studies or successfully complete BUSN062 in their first session. The Math placement exam is not required for this program. Required transitional studies coursework may affect program length and cost.

Program-Specific Policies

Students who complete the MBC certificate and who are later admitted to DeVry's MBC – HIC undergraduate certificate program may not be eligible for financial assistance. Students should contact their student support advisor for more information.
Those who have earned an MBC – HIC certificate can apply eligible credits earned toward DeVry's associate degree in Health Information Technology or bachelor's degree in Technical Management. Students should note that future programmatic changes could impact application of credit to a future program. Contact a student support advisor for more information.

Program Notes

The MBC – HIC certificate program includes material addressed in the Certified Coding Specialist (CCS) certification exam. Detailed information on qualifications for the exam is available at https://ahima.org/certification-careers/certifications-overview/ccs/.

There may be a slight difference between minimum credit hours required for certificate completion and total credit hours required if all courses are taken at DeVry. Credit hour differences may benefit students with qualifying transfer credit. Credit hours beyond the minimum may affect program length and cost. Students should contact their student support advisor for more information.

Employment Positions

Employment positions determined to be in field for graduates of the Undergraduate Certificate in Medical Billing and Coding, Health Information Coding, include Medical Records Specialists (29-2072.00), Health Information Technologists and Medical Registrars (29-9021.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

Multimedia Design & Development Bachelor's Degree Program (Sunset)

Program Description

Note: This program is no longer accepting new applicants. DeVry's Multimedia Design & Development program prepares graduates to create and distribute web-enabled and other digital media. Industry-standard and innovative new software is used to create application projects. The program offers tracks as shown in the following program outline. Coursework addressing multimedia standards, the graphics business and emerging technologies provides a foundation for the tracks. Students who have not chosen an area of specialization may begin the program in "Undeclared" status; however, they must select a track by the time they have earned 60 semester-credit hours toward their degree.

Program Educational Objectives

The program is designed to produce graduates who are able to:
1. Apply industry standards to multimedia projects that meet client requirements.
2. Demonstrate technical proficiency in multimedia design and development.
3. Effectively coordinate and manage multimedia projects.
4. Communicate effectively both orally and in writing.
5. Participate effectively in project team environments.
DeVry accomplishes these goals by:
1. Incorporating activities and labs to provide the appropriate level of applications experience.
2. Integrating general competencies such as applied research, written and oral communications, critical thinking, problem-solving, and team skills in technical and nontechnical courses.

Credential

Bachelor of Science in Multimedia Design and Development

Minimum Credit Hours Required for Completion

122

Time to Complete (Assumes student remains on selected schedule)

- **Normal time to complete:** 4 years, assuming enrollment in 2 semesters per 12-month period
- **Minimum time to complete:** 2 years, 8 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

8, assuming enrollment in 11-19 credit hours per semester; enrollment in additional credit hours may be needed in some semesters

Graduation Requirements

Communication Skills – 15 credit hours required

ENGL112: Composition – 4 credit hours

ENGL135: Advanced Composition – 4 credit hours

ENGL216: Technical Writing – 4 credit hours

SPCH275: Public Speaking – 3 credit hours

Humanities – 9 credit hours required

ETHC445: Principles of Ethics – 3 credit hours

HUMN303: Introduction to the Humanities – 3 credit hours

LAS432: Technology, Society, and Culture – 3 credit hours

Social Sciences – 9 credit hours required

ECON312: Principles of Economics – 3 credit hours

SOCS185: Culture and Society – 3 credit hours

SOCS325: Environmental Sociology – 3 credit hours

Mathematics and Natural Sciences – 12 credit hours

MATH114: Algebra for College Students – 4 credit hours

MATH221: Statistics for Decision-Making – 4 credit hours

SCI228: Nutrition, Health and Wellness with Lab – 4 credit hours

Personal and Professional Development – 5 credit hours required

CARD405: Career Development – 2 credit hours

COLL148: Critical Thinking and Problem-Solving – 3 credit hours

Business and Computing – 5 credit hours required

BUSN115: Introduction to Business and Technology – 3 credit hours

COMP100: Computer Applications for Business with Lab – 2 credit hours

Multimedia Core – 38 credit hours required

CIS363B: Web Interface Design with Lab – 4 credit hours

CIS407A: Web Application Development with Lab – 4 credit hours

SBE310: Small Business Management and Entrepreneurship – 4 credit hours

WGD201: Visual Design Fundamentals – 3 credit hours

WGD205: Advanced Design and Rapid Visualization – 4 credit hours

WGD210: Digital Imaging Fundamentals – 4 credit hours

WGD229: Information Design – 4 credit hours

WGD235: Web Animation – 4 credit hours

WGD242: Advanced Web Design – 4 credit hours

WGD251: Responsive Web Design – 3 credit hours

Career Preparation – 10 credit hours required

MGMT404: Project Management – 4 credit hours

MGMT408: Management of Technology Resources – 3 credit hours

TECH460: Senior Project – 3 credit hours

Track – one track selected – 20 credit hours required

• Graphic and Multimedia Design – 20 credit hours required

SBE330: Creativity, Innovation and New Product Development – 4 credit hours

WBG310: Interactive Web Page Scripting with Lab – 4 credit hours

WBG370: Game Development with Lab – 4 credit hours

WBG410: Dynamic Website Development and Database Integration with Lab – 4 credit hours

WEB460: Advanced Web Application Development with Lab – 4 credit hours

- **Web Design and Development – 20 credit hours required**

CEIS236: Database Systems and Programing Fundamentals – 4 credit hours

SBE330: Creativity, Innovation and New Product Development – 4 credit hours

WBG310: Interactive Web Page Scripting with Lab – 4 credit hours

WBG410: Dynamic Website Development and Database Integration with Lab – 4 credit hours

WEB460: Advanced Web Application Development with Lab – 4 credit hours

State-Specific Variances

New Jersey: Students enrolled at a New Jersey location must take14 required credit hours in Communication Skills by taking ENGL108 in lieu of ENGL112, 11 required credit hours in Mathematics and Natural Sciences plus an additional six semester-credit hours of general education coursework within these course areas: Communication Skills, Humanities, Social Sciences, and Mathematics and Natural Sciences. Humanities and Social Sciences courses selected should be upper-division coursework (DeVry courses numbered 300-499).

Program Notes

There may be a slight difference between minimum credit hours required for certificate completion and total credit hours required if all courses are taken at DeVry. Credit hour differences may benefit students with qualifying transfer credit. Credit hours beyond the minimum may affect program length and cost. Students should contact their student support advisor for more information.

Employment Positions

Employment positions determined to be in field for graduates of the Bachelor of Science in Multimedia Design and Development degree program include Multimedia Artists and Animators (27-1014.00), Graphic Designers (27-1024.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

Network Systems Administration Associate Degree Program (Sunset)

Program Description

Note: This program is no longer accepting new applicants. DeVry’s Network Systems Administration program (current program version known as Cybersecurity & Networking) provides students with a background in network systems administration as applied to practical business situations. The program addresses installing, configuring, securing and administering network systems comprising users, shared resources and network elements, such as routers, in local and Internet-based environments.

Program Alignment

TECH CORE – The Internet of Things Experience

This program features a sequence of Tech Core courses to help build a set of interdisciplinary skills for today's fast changing digital world. These courses teach principles used throughout the Internet of Things (IoT) ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security.

Tech Core curriculum includes course instruction providing a practical, hands-on experience with IoT, cloud, software and security technologies and systems.

Program Educational Objectives

The program is designed to produce graduates who are able to:
1. Establish and administer a network by installing, configuring, securing and testing multiple network operating systems and selected hardware such as network servers and routers.
2. Communicate effectively both orally and in writing.
3. Demonstrate teamwork skills.
4. Apply research and problem-solving skills.

Credential

Associate of Applied Science in Network Systems Administration

State-Specific Credential

In Florida, Associate of Science in Network Systems Administration; in New York, Associate in Applied Science in Network Systems Administration.

Minimum Credit Hours Required for Completion

67

Time to Complete (Assumes student remains on selected schedule)

- **Normal time to complete:** 2 years, 4 months, assuming enrollment in 2 semesters per 12-month period
- **Minimum time to complete:** 1 year, 8 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

5 full time, assuming enrollment in 12-16 credit hours per semester; enrollment in additional credit hours may be needed in some semesters

Graduation Requirements

Communication Skills – 11 credit hours required

ENGL112: Composition – 4 credit hours

ENGL135: Advanced Composition – 4 credit hours

SPCH275: Public Speaking – 3 credit hours

Humanities – 3 credit hours required

ETHC232: Ethical and Legal Issues in the Professions – 3 credit hours

Social Sciences – 3 credit hours required

SOCS185: Culture and Society – 3 credit hours

Mathematics and Natural Sciences – 8 credit hours required

MATH114: Algebra for College Students – 4 credit hours

TECH204: Everyday Physics – 4 credit hours

Personal and Professional Development – 5 credit hours required

CARD205: Career Development – 2 credit hours

COLL148: Critical Thinking and Problem-Solving – 3 credit hours

Tech Core – 21 credit hours required

CEIS101: Introduction to Technology and Information Systems – 2 credit hours

CEIS106: Introduction to Operating Systems – 4 credit hours

CEIS110: Introduction to Programming – 3 credit hours

CEIS114: Introduction to Digital Devices – 3 credit hours

NETW191: Fundamentals of Information Technology and Networking – 3 credit hours

NETW212: Introduction to Cloud Computing – 3 credit hours

SEC285: Fundamentals of Information System Security – 3 credit hours

Information Technology and Networking – 16 credit hours required

NETW260: Intermediate Information Technology & Networking I – 3 credit hours

NETW270: Intermediate Information Technology & Networking II – 3 credit hours

NETW310: Wired Optical and Wireless Communication with Lab – 3 credit hours

SEC290: Fundamentals of Infrastructure Security – 3 credit hours

SEC305: Cybersecurity and Data Privacy – 4 credit hours

Career Preparation - 1 credit hour required

CEIS298: Introduction to Technical Project Management – 1 credit hour

State-Specific Variances

New Jersey: 65 Minimum credits required for the credential. 10 credits in Communication Skills instead of 11 as students enrolled at a New Jersey must take ENGL108 in lieu of ENGL112. New Jersey students must also take an additional three semester-credit hours of general education coursework from among the following course areas: Communication Skills, Humanities, Social Sciences, and Mathematics and Natural Sciences.

Employment Positions

Employment positions determined to be in field for graduates of the Associate of Applied Science in Network Systems Administration (in Florida, Associate of Science in Network Systems Administration, in New York, Associate in Applied Science in Network Systems Administration) degree program include Computer Network Support Specialists (15-1231.00). This position is used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

Software Design & Solutions Certificate Program (Sunset)

Program Description

Note: This program is no longer accepting new applicants. DeVry’s Software Design & Solutions undergraduate certificate program (current program version known as Software Development undergraduate certificate) is designed to help students develop knowledge and skills needed to create software applications and guide software development projects. Students explore essential computer information systems concepts for software development ranging from using object-oriented programming techniques to designing algorithms for efficient software execution. The curriculum integrates test-driven development approaches and product life cycle management to ensure continuous attention to technical specification and user satisfaction, which can help students build skills needed to clearly define requirements and deliver quality software projects – critical to an organization’s strategic goals.

Program Alignment

TECH CORE – The Internet of Things Experience

This program features a sequence of Tech Core courses to help build a set of interdisciplinary skills for today's fast changing digital world. These courses teach principles used throughout the Internet of Things (IoT) ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security.

Tech Core curriculum includes course instruction providing a practical, hands-on experience with IoT, cloud, software and security technologies and systems.

Program Educational Objectives

The program is designed to produce graduates who are able to:
1. Analyze users' needs and requirements to create software application specifications.
2. Create a quality software design considering key factors such as functionality, usability, reliability, performance, and supportability.
3. Propose a software product management plan that addresses all stages in the software development life cycle (SDLC).

Credential

Undergraduate Certificate in Software Design and Solutions

Minimum Credit Hours Required for Completion

42

Time to Complete (Assumes student remains on selected schedule)

- **Normal time to complete:** 2 years, assuming enrollment in 2 semesters per 12-month period
- **Minimum time to complete:** 1 year, 4 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

4, assuming enrollment in 7-13 credit hours per semester

Graduation Requirements

Mathematics – 4 credit hours required

MATH114: Algebra for College Students – 4 credit hours

Tech Core – 9 credit hours required

CEIS101C: Introduction to Technology and Information Systems – 2 credit hours

CEIS106: Introduction to Operating Systems – 4 credit hours

CEIS110: Introduction to Programming – 3 credit hours

Information Systems and Programming – 12 credit hours required

CEIS150: Programming Objects – 4 credit hours

CEIS209: Intermediate Programming – 4 credit hours

CEIS236: Database Systems and Programming Fundamentals – 4 credit hours

Application Development – 3 credit hours required

CEIS295: Data Structures and Algorithms – 3 credit hours

Software Development – 12 credit hours required

CEIS200: Software Engineering I – 3 credit hours

CEIS320: Introduction to Mobile Device Programming – 3 credit hours

CEIS400: Software Engineering II – 3 credit hours

CEIS420: Programming Languages and Advanced Techniques – 3 credit hours

Career Preparation – 2 credit hours required

CEIS298: Introduction to Technical Project Management – 1 credit hour

CEIS499: Preparation for the Profession – 1 credit hour

Employment Positions

Employment positions determined to be in field for graduates of the Undergraduate Certificate program in Software Design and Solutions include Software Developers (15 1252.00); Software Quality Assurance Analysts and Testers (15-1253.00); Web Administrators (15-1299.01). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website. These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

Software Development Bachelor’s Degree Program (Sunset)

Program Description

Note: The version of this program below is no longer accepting new applicants. This version applies to students whose initial enrollment was the September 2025 session or prior. DeVry's bachelor's degree program in Software Development is designed to provide students with techniques and tools needed to systematically create software products used in many applications. Contemporary techniques and tools are applied to meet specified criteria. Knowledge of computing and mathematics appropriate to developing software products is employed. Coursework also addresses professional, security, social and ethics issues and responsibilities associated with developing and using software systems. The program offers tracks as shown in the following program outline. Students who have not chosen an area of specialization may begin the program in "Undeclared" status; however, they must select a track by the time they have earned 60 semester-credit hours toward their degree.

Programmatic Accreditation / Recognition

This program is accredited by the **Computing Accreditation Commission of ABET.**

More information is available in the Accreditation and Authorization section.

Program Alignment

Cultivating Agile Software Developers

This program addresses the need for adaptable software developers and programming professionals within an ever-evolving workplace. Coursework addresses principles closely aligned to industry certifications offered by CompTIA, Python Institute, Oracle and Microsoft, as well as to competencies outlined by the IEEE Computer Society and the Institute for Certification of Computing Professionals. Coursework provides foundational skillsets in full-stack programming, data science, machine learning and web application development.

Career development strategies are integrated throughout the program. Emerging topics, such as the impacts of artificial intelligence in technology fields, are embedded throughout the curriculum. Students have the opportunity to participate in industry-centered student organizations and in programming competitions.

Program Educational Objectives

Program educational objectives are broad statements that describe what graduates are expected to attain within a few years after graduation. Program educational objectives are based on the needs of the program's constituencies. The program has the following objectives:

1. Support the successful practice of design, development and testing of software.
2. Communicate and collaborate effectively with individuals or teams.
3. Exercise critical and systemic thinking and ethical responsibility in finding solutions to professional challenges.
4. Contribute to society through a chosen field.
5. Continually keep abreast of developments in technology and society.

Student Outcomes

Student outcomes are the skills and abilities students are expected to demonstrate at graduation. The program is designed to produce graduates who are able to:
1. Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.
2. Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
3. Communicate effectively in a variety of professional contexts.
4. Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
5. Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.

Credential

Bachelor of Science in Software Development

Minimum Credit Hours Required for Completion

120

Time to Complete (Assumes student remains on selected schedule)

- **Normal time to complete:** 4 years, assuming enrollment in 2 semesters per 12-month period
- **Minimum time to complete:** 2 years, 8 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

8 full time, assuming enrollment in 12-18 credit hours per semester; enrollment in additional credit hours may be needed in some semesters

Graduation Requirements

Communication Skills – 15 credit hours required

ENGL112: Composition – 4 credit hours

ENGL135: Advanced Composition – 4 credit hours

ENGL216: Technical Writing – 4 credit hours

SPCH275: Public Speaking – 3 credit hours

Humanities – 6 credit hours required

ETHC232: Ethical and Legal Issues in the Professions – 3 credit hours

LAS432: Technology, Society, and Culture – 3 credit hours

Social Sciences – 9 credit hours required

ECON312: Principles of Economics – 3 credit hours

SOCS185: Culture and Society – 3 credit hours

SOCS325: Environmental Sociology – 3 credit hours

Mathematics and Natural Sciences – 16 credit hours required

MATH114: Algebra for College Students – 4 credit hours

MATH234: Discrete Math in Information Technology – 4 credit hours

TECH204: Everyday Physics – 4 credit hours

TECH221: Data-Driven Decision-Making – 4 credit hours

Personal and Professional Development – 5 credit hours required

CARD405: Career Development – 2 credit hours

COLL148: Critical Thinking and Problem-Solving – 3 credit hours

Tech Core – 21 credit hours required

CEIS101: Introduction to Technology and Information Systems – 2 credit hours

CEIS106: Introduction to Operating Systems – 4 credit hours

CEIS110: Introduction to Programming – 3 credit hours

CEIS114: Introduction to Digital Devices – 3 credit hours

NETW191: Fundamentals of Information Technology and Networking – 3 credit hours

NETW212: Introduction to Cloud Computing – 3 credit hours

SEC285: Fundamentals of Information System Security – 3 credit hours

Information Systems and Programming – 19 credit hours required

CEIS150: Programming Objects – 4 credit hours

CEIS209: Intermediate Programming – 4 credit hours

CEIS236: Database Systems and Programming Fundamentals – 4 credit hours

CEIS295: Data Structures and Algorithms – 3 credit hours

CIS355A: Business Application Programming with Lab – 4 credit hours

Analysis and Design – 9 credit hours required

BIAM112: Introduction to AI and Business Analytics – 3 credit hours

CIS313: AI-Driven Business Application Coding – 3 credit hours

MGMT408: Management of Technology Resources – 3 credit hours

Career Preparation – 9 credit hours required

CEIS298: Introduction to Technical Project Management – 1 credit hour

CEIS4994: Preparation for the Profession – 1 credit hour

MGMT404: Project Management – 4 credit hours

TECH460: Senior Project – 3 credit hours

Track – one track selected – required credit hours vary by track

• Big Data and Analytics – 12 credit hours required

CEIS340: Database Management – 3 credit hours

CIS303: Data Visualization and Presentation – 3 credit hours

CIS306: AI, Machine Learning and Data Science – 3 credit hours

SEC302: Data Administration and Security – 3 credit hours

• Software Design and Programming – 12 credit hours required

CEIS200: Software Engineering I – 3 credit hours

CEIS320: Introduction to Mobile Device Programming – 3 credit hours

CEIS400: Software Engineering II – 3 credit hours

CEIS420: Programming Languages and Advanced Techniques – 3 credit hours

• Web and Mobile Application Development – 11 credit hours required

CEIS320: Introduction to Mobile Device Programming – 3 credit hours

CIS363B: Web Interface Design with Lab – 4 credit hours

CIS407A: Web Application Development with Lab – 4 credit hours

Program-Specific Policies

Students who complete CARD415 instead of CARD405 apply CARD415 to fulfill CEIS499.

Program Notes

There may be a slight difference between minimum credit hours required for graduation and total credit hours required if all courses are taken at DeVry. Credit hour differences may benefit students with qualifying transfer credit. Credit hours beyond the minimum may affect program length and cost. Students should contact a student support advisor for more information.

Credits and degrees earned from DeVry do not automatically qualify the holder to participate in professional certification or licensure exams. DeVry does not guarantee graduates will successfully pass such exams.

Employment Positions

Employment positions determined to be in field for graduates of the Bachelor of Science in Software Development degree program include Software Developers (15-1252.00); Software Quality Assurance Analysts and Testers (15-1253.00); Web Administrators (15-1299.01). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

Technical Management – Health Information Management Specialty Bachelor's Degree Program (Sunset)

Program Description

Note: The version of this program below is no longer accepting new applicants. This version applies to students whose initial enrollment was the January 2024 session or prior. DeVry's bachelor's degree completion program in Technical Management is designed to prepare students to meet the challenges of a high-tech, global marketplace. Coursework helps students learn management skills needed to work in many business areas and industries, such as accounting, project management and information technology. Additionally, through experiential projects, students can develop the business acumen needed in today's business world. The Health Information Management (HIM) specialty is designed for students who wish to develop a solid business foundation for the workplace. This specialization further focuses studies by helping students become familiar with information systems and health policy in support of careers in healthcare settings. Note: To complete their program, students in the HIM specialty must meet requirements outlined in the Healthcare Practicum and Clinical Coursework Requirements section and in the Healthcare Site Requirements and General Information section.

Programmatic Accreditation / Recognition

This program is accredited by the **Accreditation Council for Business Schools and Programs**, demonstrating it has met standards of business education that promote teaching excellence.

When completed with a HIM specialty, the program is accredited by the **Commission on Accreditation for Health Informatics and Information Management Education.**

More information is available in the Accreditation and Authorization section.

Program Educational Objectives

The program is designed to produce graduates who are able to:
1. Apply comprehensive research using appropriate technologies to solve business problems in the global workforce.
2. Develop the skills to effectively convey information to a variety of business audiences using oral, written, presentation, and technological platforms.
3. Apply leadership and conflict management techniques to foster collaboration within cross-cultural and interdisciplinary business environments.
4. Demonstrate management and leadership skills to develop and maintain a successful workforce in a globalized environment.
5. Examine issues and needs related to organizational challenges and propose change for quality improvement.

Credential

Bachelor of Science in Technical Management (Sunset)

State-Specific Credential

In New York, Bachelor of Professional Studies in Technical Management; in Ohio, Bachelor of Technical Management

Minimum Credit Hours Required for Completion

122

Time to Complete (Assumes student remains on selected schedule)

- **Normal time to complete:** 4 years, assuming enrollment in 2 semesters per 12-month period
- **Minimum time to complete:** 2 years, 8 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

8 full time, assuming enrollment in 12-19 credit hours per semester; enrollment in additional credit hours may be needed in some semesters

Graduation Requirements

Communication Skills – 8 credit hours required

ENGL112: Composition – 4 credit hours

ENGL135: Advanced Composition – 4 credit hours

Humanities – 6 credit hours required

ETHC445: Principles of Ethics – 3 credit hours

LAS432: Technology, Society, and Culture – 3 credit hours

Social Sciences – 6 credit hours required

ECON312: Principles of Economics – 3 credit hours

SOCS185: Culture and Society – 3 credit hours

Mathematics and Natural Sciences – 15 credit hours required

MATH114: Algebra for College Students – 4 credit hours

MATH221: Statistics for Decision-Making – 4 credit hours

BIOS105: Fundamentals of Human Anatomy and Physiology – 4 credit hours

BIOS268: Pathopharmacology – 3 credit hours

Personal and Professional Development – 5 credit hours required

CARD405: Career Development – 2 credit hours

COLL148: Critical Thinking and Problem-Solving – 3 credit hours

Business Core – 12 credit hours required

BUSN115: Introduction to Business and Technology – 3 credit hours

COMP100: Computer Applications for Business with Lab – 2 credit hours

MGMT303: Principles of Management – 3 credit hours

One of:

ACCT207: Fundamentals of Accounting – 4 credit hours

ACCT212: Financial Accounting – 4 credit hours

Management – 8 credit hours required

BUSN412: Business Policy – 4 credit hours

MGMT404: Project Management – 4 credit hours

Senior Project – 3 credit hours required

BUSN460: Senior Project – 3 credit hours

Health Information Technology – 31 credit hours required

HIT111: Basic Medical Terminology – 3 credit hours

HIT120: Introduction to Health Services and Information Systems – 4 credit hours

HIT141: Health Information Processes with Lab – 4 credit hours

HIT170: Health Information Fundamentals Practicum – 2 credit hours

HIT203: International Classification of Diseases Coding I with Lab – 3 credit hours

HIT205: International Classification of Diseases Coding II with Lab – 3 credit hours

HIT211: Current Procedural Terminology Coding with Lab – 4 credit hours

HIT220: Legal and Regulatory Issues in Health Information – 2 credit hours

HIT226: Data Applications and Healthcare Quality with Lab – 3 credit hours

HIT230: Health Insurance and Reimbursement – 3 credit hours

Health Information Management Specialty – 28 credit hours required

HIM335: Health Information Systems and Networks with Lab – 3 credit hours

HIM355: Advanced Classification Systems and Management with Lab – 3 credit hours

HIM375: Healthcare Data Security and Privacy – 4 credit hours

HIM410: Health Information Financial Management – 3 credit hours

HIM420: Healthcare Total Quality Management – 4 credit hours

HIM435: Management of Health Information Functions and Services – 4 credit hours

HIM460: Health Information Management Practicum – 3 credit hours

MATH325: Healthcare Statistics and Research – 4 credit hours

Program-Specific Policies

Those who have earned a Medical Billing & Coding or Medical Billing & Coding – Health Information Coding undergraduate certificate, or an associate degree in Health Information Technology, through DeVry can apply eligible coursework in these programs toward the University's bachelor's degree in Technical Management. Students should note that future programmatic changes could impact application of credit to a future program. Contact a student support advisor for more information.

Program Notes

Credits and degrees earned from DeVry do not automatically qualify the holder to participate in professional licensing exams required to practice certain professions. Persons interested in practicing a regulated profession must contact the appropriate state regulatory agency for their field of interest.

There may be a slight difference between minimum credit hours required for graduation and total credit hours required if all courses are taken at DeVry. Credit hour differences may benefit students with qualifying transfer credit. Credit hours beyond the minimum may affect program length and cost. Students should contact a student support advisor for more information.

Employment Positions

Employment positions determined to be in field for graduates of the Bachelor of Science in Technical Management (in New York, Bachelor of Professional Studies in Technical Management, in Ohio, Bachelor of Technical Management) degree program include General and Operations Managers (11-1021.00), Sales Managers (11-2022.00), Administrative Services Managers (11-3012.00), Industrial Production Managers (11-3051.00), Transportation, Storage, and Distribution Managers (11-3071.00), Construction Managers (11-9021.00), Social and Community Service Managers (11-9151.00), Managers, All Other (11-9199.00), Cost Estimators (13-1051.00), Management Analysts (13-1111.00), Financial Analysts (13-2051.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

Web & Mobile Application Development Certificate Program (Sunset)

Program Description

Note: This program is no longer accepting new applicants. DeVry's Web & Mobile Application Development undergraduate certificate program is designed to provide students with comprehensive programming skills needed to develop mobile device and web-based applications, which help organizations and individuals communicate, conduct business and access information. To prepare students for the dynamic workforce, the curriculum helps instill a programming mindset by helping students develop skills in object-oriented programming before progressing to coursework focused on interactive and responsive desktop and mobile application creation.

Program Alignment

TECH CORE – The Internet of Things Experience

This program features a sequence of Tech Core courses to help build a set of interdisciplinary skills for today's fast changing digital world. These courses teach principles used throughout the Internet of Things (IoT) ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security.

Tech Core curriculum includes course instruction providing a practical, hands-on experience with IoT, cloud, software and security technologies and systems.

Program Educational Objectives

The program is designed to produce graduates who are able to:
1. Design applications considering usability, accessibility, and cross-device compatibility.
2. Select appropriate programming languages and software tools to develop applications that operate across multiple device platforms.
3. Code, execute, and debug applications that are user-friendly, interactive and portable.

Credential

Undergraduate Certificate in Web and Mobile Application Development

Minimum Credit Hours Required for Completion

43

Time to Complete (Assumes student remains on selected schedule)

- **Normal time to complete:** 2 years, assuming enrollment in 2 semesters per 12-month period
- **Minimum time to complete:** 1 year, 4 months, assuming continuous year-round enrollment (3 semesters per 12-month period)

Total Semesters

4, assuming enrollment in 8-13 credit hours per semester

Graduation Requirements

Mathematics – 4 credit hours required

MATH114: Algebra for College Students – 4 credit hours

Tech Core – 9 credit hours required

CEIS101C: Introduction to Technology and Information Systems – 2 credit hours

CEIS106: Introduction to Operating Systems – 4 credit hours

CEIS110: Introduction to Programming – 3 credit hours

Information Systems and Programming – 12 credit hours required

CEIS150: Programming Objects – 4 credit hours

CEIS209: Intermediate Programming – 4 credit hours

CEIS236: Database Systems and Programming Fundamentals – 4 credit hours

Application Development – 4 credit hours required

CIS355A: Business Application Programming with Lab – 4 credit hours

Web and Mobile Application Development – 11 credit hours required

CEIS320: Introduction to Mobile Device Programming – 3 credit hours

CIS363B: Web Interface Design with Lab – 4 credit hours

CIS407A: Web Application Development with Lab – 4 credit hours

Career Preparation – 3 credit hours required

CARD205: Career Development – 2 credit hours

CEIS298: Introduction to Technical Project Management – 1 credit hour

Employment Positions

Employment positions determined to be in field for graduates of the Undergraduate Certificate program in Web and Mobile Application Development include Software Developers (15-1252.00); Software Quality Assurance Analysts and Testers (15-1253.00); Web Administrators (15-1299.01). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

Courses

Accounting

ACCT207 - Fundamentals of Accounting

Course Description

This course introduces financial accounting principles through coursework examining financial statements and rules that dictate their construction. Through real-world business examples, students explore key accounting topics including receivables, inventory, plant assets, liabilities, internal controls, ethics and regulation. Students also evaluate the profitability, liquidity and solvency of a business through financial statement analysis.

Course Credit Hours

4

Corequisites

None

Prerequisites

None

ACCT212 - Financial Accounting

Course Description

This course focuses on ways in which financial statements reflect business operations and emphasizes use of financial statements in the decision-making process. The course encompasses all business forms and various sectors such as merchandising, manufacturing and services. Students make extensive use of spreadsheet applications to analyze accounting records and financial statements.

Course Credit Hours

4

Corequisites

Complete 1 of the following

- COMP100 Computer Applications for Business with Lab (2)
- COMP121 Computer Applications with AI for Business (2)
- MATH114 Algebra for College Students (4)
- MATH116 Algebra for College Students (3)

OR
Complete the prerequisite below

Prerequisites

- CEIS101 Introduction to Technology and Information Systems (2)

ACCT301 - Essentials of Accounting

Course Description

This course is intended for students in technology-intensive programs, where understanding basic principles of finance and managerial accounting is essential to successful contribution to organizational achievement. Students are introduced to the accounting system, financial statements, and essential elements of cost and managerial accounting within the context of management decision-making. Capital investment analysis and other budgeting methods are studied in relation to goal attainment and organizational success. The effect of activities in the functional areas of business on organizations' financial viability is emphasized.

Course Credit Hours

4

Corequisites

None

Prerequisites

- BUSN115 Introduction to Business and Technology (3)

ACCT303 - Intermediate Accounting I

Course Description

This course expands on topics covered in ACCT212 and presents them within a conceptual framework determined by generally accepted accounting principles. Financial accounting functions and theory, and recognition and measurement of assets, are covered.

Course Credit Hours

3

Corequisites

None

Prerequisites

- ACCT212 Financial Accounting (4)

ACCT304 - Intermediate Accounting I

Course Description

This course expands on topics covered in ACCT212 and presents them within a conceptual framework determined by generally accepted accounting principles. Financial accounting functions and theory, and recognition and measurement of assets, are covered.

Course Credit Hours

4

Corequisites

None

Prerequisites

- ACCT212 Financial Accounting (4)

ACCT305 - Intermediate Accounting II

Course Description

This second course in intermediate accounting addresses financial accounting, with an emphasis on external reporting to the investing public in accordance with generally accepted accounting principles. Topics include property; plant and equipment; intangible assets; investments; current, long-term and contingent liabilities; and leases.

Course Credit Hours

4

Corequisites

None

Prerequisites

- ACCT304 Intermediate Accounting I (4)

ACCT306 - Intermediate Accounting II

Course Description

This second course in intermediate accounting addresses financial accounting, with an emphasis on external reporting to the investing public in accordance with generally accepted accounting principles. Topics include property; plant and equipment; intangible assets; investments; current, long-term and contingent liabilities; and leases.

Course Credit Hours

3

Corequisites

None

Prerequisites

- ACCT303 Intermediate Accounting I (3)

ACCT312 - Intermediate Accounting III

Course Description

This course continues topics covered in ACCT305 and addresses accounting for income taxes, pensions and other postretirement benefits; shareholders’ equity; share-based compensation and earnings per share; accounting changes and error correction; and statement of cash flows.

Course Credit Hours

4

Corequisites

None

Prerequisites

- ACCT305 Intermediate Accounting II (4)

ACCT313 - Intermediate Accounting III

Course Description

This course continues topics covered in ACCT306 and addresses accounting for income taxes, pensions and other postretirement benefits; shareholders' equity; share-based compensation and earnings per share; accounting changes and error correction; and statement of cash flows.

Course Credit Hours

3

Corequisites

None

Prerequisites

- ACCT306 Intermediate Accounting II (3)

ACCT326 - Federal Tax Accounting I

Course Description

This course covers federal income tax concepts and their effect on individuals. Topics include the history and background of taxes, gross income, exclusions, allowable deductions, and the basis for gain and loss on the disposition of property.

Course Credit Hours

3

Corequisites

- ACCT212 Financial Accounting (4)

Prerequisites

None

ACCT335 - Analytics for Accounting

Course Description

This course introduces analytics tools and techniques commonly used in financial accounting, managerial accounting, auditing and taxation. Current approaches to gathering, managing and presenting business/accounting data are explored. Coursework is designed to help students develop basic skills using various tools to analyze data, demonstrate informed data-driven decisions and communicate results to key stakeholders.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- ACCT303 Intermediate Accounting I (3)
- ACCT304 Intermediate Accounting I (4)

ACCT336 - AI and Analytics for Accountants

Course Description

This course explores analytics tools and techniques used in financial accounting, managerial accounting, auditing and taxation. Coursework addresses how AI-driven applications are shaping data gathering, management and presentation in the accounting profession. Students apply analytical methods and AI-enabled tools to interpret accounting and business data, support informed decision-making, communicate results and enhance efficiency in professional practice.

Course Credit Hours

3

Corequisites

None

Prerequisites

- ACCT306 Intermediate Accounting II (3)

ACCT346 - Managerial Accounting

Course Description

This course introduces how managers use accounting information in business decision-making. Topics include standard cost systems, budgeting, break-even analysis, relevant cost issues, and the effect of state and federal taxes on decision-making. These principles apply to all types of businesses, including the service industry, manufacturing and merchandising. Students use spreadsheet applications to analyze and provide solutions to challenges faced by management in today's business environment.

Course Credit Hours

4

Corequisites

None

Prerequisites

- ACCT212 Financial Accounting (4)

ACCT360 - Managerial Accounting

Course Description

This course introduces how managers use accounting information in business decision-making. Topics include standard cost systems, budgeting, break-even analysis, relevant cost issues, and the effect of state and federal taxes on decision-making. These principles apply to all types of businesses, including the service industry, manufacturing and merchandising. Students use spreadsheet applications to analyze and provide solutions to challenges faced by management in today's business environment.

Course Credit Hours

3

Corequisites

None

Prerequisites

- ACCT212 Financial Accounting (4)

ACCT370 - Internal Audit

Course Description

This course examines the internal audit function within organizations, emphasizing its role in risk management, internal controls and governance. Students explore audit planning, evidence collection, reporting practices and application of professional standards, including those issued by the Institute of Internal Auditors (IIA). Case studies and practical exercises help students prepare to assess and support organizational effectiveness in diverse audit environments.

Course Credit Hours

3

Corequisites

None

Prerequisites

- ACCT306 Intermediate Accounting II (3)

ACCT373 - Internal Audit Practitioner Exam Preparation

Course Description

This course prepares students for the Internal Audit Practitioner exam by reinforcing core concepts in governance, risk, internal control and audit engagement processes. Students apply Institute of Internal Auditors (IIA) standards, professional ethics and exam strategies through practice questions and simulated assessments. The course is ideal for students seeking to validate internal audit knowledge and pursue early career certification.

Course Credit Hours

3

Corequisites

None

Prerequisites

- ACCT306 Intermediate Accounting II (3)

ACCT405 - Advanced Accounting

Course Description

This course addresses financial accounting practice and theory in relation to consolidations, pushdown accounting, foreign currency transactions, financial statement remeasurement and translation, and partnership accounting.

Course Credit Hours

4

Corequisites

None

Prerequisites

- ACCT312 Intermediate Accounting III (4)

ACCT406 - Advanced Accounting

Course Description

This course addresses financial accounting practice and theory in relation to consolidations, pushdown accounting, foreign currency transactions, financial statement re-measurement and translation, and partnership accounting.

Course Credit Hours

3

Corequisites

None

Prerequisites

- ACCT313 Intermediate Accounting III (3)

ACCT426 - Federal Tax Accounting II

Course Description

This course addresses the special tax issues of corporations, partnerships, S corporations, gift taxes, estates and trusts. Tax forms, tax software, the internet, spreadsheets and word processing programs are used to research, solve and analyze tax problems relating to corporate and partnership income taxes.

Course Credit Hours

3

Corequisites

None

Prerequisites

- ACCT326 Federal Tax Accounting I (3)

ACCT429 - Federal Income Taxation

Course Description

This course examines basic concepts of federal income taxation of individuals and businesses, including sole proprietorships, S corporations and limited partnerships. Topics include income inclusions and exclusions, property transactions, capital gains and losses, and tax credits. Students develop basic tax planning skills, and use tax planning and preparation software packages.

Course Credit Hours

4

Corequisites

None

Prerequisites

- ACCT212 Financial Accounting (4)

ACCT431 - Federal Income Taxation

Course Description

This course examines basic concepts of federal income taxation of individuals and businesses, including sole proprietorships, S corporations and limited partnerships. Topics include income inclusions and exclusions, property transactions, capital gains and losses, and tax credits. Students develop basic tax planning skills, and use tax planning and preparation software packages.

Course Credit Hours

3

Corequisites

None

Prerequisites

- ACCT212 Financial Accounting (4)

ACCT434 - Advanced Cost Management

Course Description

This course addresses students' ability to present information to management as part of the decision-making process. Resource planning, cost estimating, cost budgeting and cost control are emphasized. Activity-based costing, pricing strategies and profitability are addressed. Current approaches to cost control such as life cycle costing and just-in-time (JIT) are included. Internet and library research competencies are developed, as are spreadsheet and presentation software skills.

Course Credit Hours

4

Corequisites

None

Prerequisites

- ACCT346 Managerial Accounting (4)

ACCT436 - Advanced Cost Management

Course Description

This course addresses students' ability to present information to management as part of the decision-making process. Resource planning, cost estimating, cost budgeting and cost control are emphasized. Activity-based costing, pricing strategies and profitability are addressed. Current approaches to cost control such as life cycle costing and just-in-time (JIT) are included. Internet and library research competencies are developed, as are spreadsheet and presentation software skills.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- ACCT346 Managerial Accounting (4)
- ACCT360 Managerial Accounting (3)

ACCT439 - Professional Ethics for Accountants

Course Description

This course provides a framework for decision-making in the accounting profession. Core values such as ethical reasoning, integrity, objectivity and independence, social responsibility, legal and regulatory requirements, and professional codes of conduct are explored. State, national, and international ethics and legal developments are examined. General principles are applied using case studies from the accounting profession.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- ACCT312 Intermediate Accounting III (4)
- ACCT313 Intermediate Accounting III (3)

ACCT440 - Accounting Research

Course Description

This course introduces professional research skills critical in the accounting profession. Students learn to apply research methods using a real-world case study approach in the areas of financial accounting, tax and audit. Students identify research problems and authoritative sources, develop search criteria, gather and evaluate data, formulate conclusions, prepare a written report of their research and findings, and present recommendations.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete all of the following

- ENGL216 Technical Writing (4)

Complete at least 1 of the following

- ACCT312 Intermediate Accounting III (4)
- ACCT313 Intermediate Accounting III (3)

ACCT444 - Auditing

Course Description

This course covers accepted principles, practices and procedures used by public accountants for certifying corporate financial statements. It also introduces audit reports, the corporate internal auditor’s function, and interaction between outside auditors and a client company’s accounting staff. In addition, the course fosters students’ analytical skills. Hands-on experience is gained with computerized accounting systems.

Course Credit Hours

4

Corequisites

None

Prerequisites

- ACCT312 Intermediate Accounting III (4)

ACCT446 - Auditing

Course Description

This course covers accepted principles, practices and procedures used by public accountants for certifying corporate financial statements. It also introduces audit reports, the corporate internal auditor's function, and interaction between outside auditors and a client company's accounting staff. In addition, the course fosters students' analytical skills. Hands-on experience is gained with computerized accounting systems.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- ACCT306 Intermediate Accounting II (3)
- ACCT313 Intermediate Accounting III (3)

ACCT451 - Accounting Information Systems with Lab

Course Description

This course analyzes current practices and technologies used to design, install, operate and manage an integrated, automated accounting system. The general ledger, appropriate subsidiary ledgers and each transaction process cycle are discussed. In addition, application controls, information security requirements and integration with other business information systems are examined.

Course Credit Hours

4

Corequisites

None

Prerequisites

- ACCT312 Intermediate Accounting III (4)

ACCT454 - Accounting Information Systems with Lab

Course Description

This course analyzes current practices and technologies used to design, install, operate and manage an integrated, automated accounting system. The general ledger, appropriate subsidiary ledgers and each transaction process cycle are discussed. In addition, application controls, information security requirements and integration with other business information systems are examined.

Course Credit Hours

3

Corequisites

None

Prerequisites

- ACCT306 Intermediate Accounting II (3)

ACCT456 - Accounting Information Systems with AI

Course Description

Students in this course analyze current practices and technologies used to design, install, operate and manage an integrated, automated accounting system. The general ledger, appropriate subsidiary ledgers and each transaction process cycle are examined. Students also explore application controls; information security requirements; and integration with other business information systems and AI.

Course Credit Hours

3

Corequisites

None

Prerequisites

- ACCT306 Intermediate Accounting II (3)

ACCT461 - Accounting Senior Project

Course Description

Students in this course synthesize business and accounting concepts, applying theory to accounting practice. Problem-solving, and legal and ethical considerations are examined. Case analysis or extensive inquiry culminates in an individual essay.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete all of the following

Successful completion of 89 semester-credit hours
Enrollment in

- Accounting Bachelor’s Degree Program

Complete at least 1 of the following

- ACCT444 Auditing (4)
- ACCT446 Auditing (3)

Biomedical Engineering Technology

BMET314 - Medical Instrumentation

Course Description

This course presents principles of biomedical devices used to measure biological and physiological processes. Coursework addresses general purpose bioamplifier and filter units, electromyographs, noninvasive blood pressure systems, spirometers, pulse-oximeters, plethysmographs, tonometers, digital thermometers, phonocardiographs and Doppler flow meters. Various transduction processes are presented, emphasizing physiological signal measurement and basic quantitative analysis techniques. This course covers integrated biomedical systems and their associated medical applications, as well as troubleshooting techniques, safety practices and maintenance procedures for various instruments and devices. Topics include electrocardiographs, brain activity monitoring recorders, patient monitors, pacemakers, defibrillators, electrical stimulators, electrostatic units, dialysis equipment and related equipment used in clinical environments. Coursework examines basics of calibration, troubleshooting, repair and certification, needed to determine if equipment and instruments meet specifications.

Course Credit Hours

3

Corequisites

None

Prerequisites

- BIOS105 Fundamentals of Human Anatomy and Physiology (4)
- ECT226 Electronic Device and System Foundations (3)

BMET316 - Medical Imaging Technology

Course Description

This course introduces various transmission- and emission-based medical imaging techniques including X-rays, computed tomography (CT), ultrasound (Doppler and basic imaging), magnetic resonance imaging (MRI) and positron emission tomography (PET). Fundamental physics of these technologies are presented, as are basics of image acquisition, processing, image format construction and storage types. Also addressed are PAC and DICOM standards, as well as radiation safety and standards.

Course Credit Hours

3

Corequisites

None

Prerequisites

- BIOS105 Fundamentals of Human Anatomy and Physiology (4)
- ECT226 Electronic Device and System Foundations (3)

BMET318 - Telemedicine

Course Description

This course covers design principles and implementation of computer infrastructure as related to accessing medical databases, visualizing medical techniques, and transferring and manipulating medical data over communication networks. Topics include digital imaging and communications in medicine (DIACOM), picture archiving and communication systems (PACS), and health level 7 (HL7) networks.

Course Credit Hours

3

Corequisites

None

Prerequisites

- BIOS105 Fundamentals of Human Anatomy and Physiology (4)
- ECT226 Electronic Device and System Foundations (3)

Biosciences

BIOS105 - Fundamentals of Human Anatomy and Physiology

Course Description

This course provides a “road map” perspective of human body structure and function. Topics include cell structure and function, and a survey of all major systems of the human body. The connections and inter-working relationships among systems are introduced. Students who receive credit for this course may not also receive credit for BIOS106 or BIOS107.

Course Credit Hours

4

Corequisites

None

Prerequisites

None

BIOS106 - Fundamentals of Human Anatomy and Physiology

Course Description

This course provides a “road map” perspective of human body structure and function. Topics include cell structure and function, and a survey of all major systems of the human body. The connections and inter-working relationships among systems are introduced. Students who receive credit for this course may not also receive credit for BIOS105 or BIOS107.

Course Credit Hours

4

Corequisites

None

Prerequisites

None

BIOS107 - Fundamentals of Human Anatomy and Physiology

Course Description

This course provides a “road map” perspective of human body structure and function. Topics include cell structure and function, and a survey of all major systems of the human body. The connections and inter-working relationships among systems are introduced. Students who receive credit for this course may not also receive credit for BIOS105 or BIOS106.

Course Credit Hours

3

Corequisites

None

Prerequisites

None

BIOS266 - Pathopharmacology

Course Description

This course combines the study of common human diseases and corresponding drug therapies used in their treatment. Students explore fundamental concepts of the disease process, while also integrating basic pharmacology concepts and drug therapies associated with treating common pathologies in the context of a given organ system. Emphasized are disease etiology, signs and symptoms, diagnostic measures, dosage, actions, administration routes and characteristics of typical drug treatment modalities. Students who receive credit for this course may not also receive credit for BIOS268.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- BIOS106 Fundamentals of Human Anatomy and Physiology (4)
- BIOS107 Fundamentals of Human Anatomy and Physiology (3)

BIOS268 - Pathopharmacology

Course Description

This course combines the study of common human diseases and corresponding drug therapies used in their treatment. Students explore fundamental concepts of the disease process, while also integrating basic pharmacology concepts and drug therapies associated with treating common pathologies in the context of a given organ system. Emphasized are disease etiology, signs and symptoms, diagnostic measures, dosage, actions, administration routes and other characteristics of typical drug treatment modalities. Students who receive credit for this course may not also receive credit for BIOS266.

Course Credit Hours

3

Corequisites

None

Prerequisites

- BIOS105 Fundamentals of Human Anatomy and Physiology (4)

Business

BUSN062 - Introduction to Business Communication

Course Description

This transitional studies course is designed to enhance students' reading and writing skills to prepare them for success in their program of study. Coursework focuses on improving students' ability to communicate effectively in professional settings through exposure to common workplace communication methods such as emails, memos and reports. Coursework addresses grammar skills and also focuses on process-based activities designed to develop pre-reading, reading and responding skills, as well as pre-writing, writing and revising skills that promote critical thinking.

Course Credit Hours

4

Corequisites

None

Prerequisites

Eligibility to enroll in the course is based on placement results

BUSN115 - Introduction to Business and Technology

Course Description

This course introduces business and the environments in which businesses operate. Students examine the roles of major functional areas of business and interrelationships among them. Organizational theories and techniques are examined, and economic, cultural, political and technological factors affecting business organizations are evaluated.

Course Credit Hours

3

Corequisites

None

Prerequisites

None

BUSN160 - Introduction to Sales and Business Development

Course Description

This course examines theories and practices of effective selling, including listening to customers and understanding their needs; developing product and market knowledge; understanding the competition; and developing effective communication skills. Also addressed are the seven-step sales process, and the importance of bridging the trust gap between salespeople and customers in order to meet customer needs and develop long-term relationships and customer loyalty.

Course Credit Hours

4

Corequisites

None

Prerequisites

None

BUSN210 - Fundamentals of Artificial Intelligence in Business

Course Description

This course explores core principles of artificial intelligence (AI) and their strategic applications in modern business environments. Students analyze how AI technologies support business functions such as marketing, operations, finance and customer engagement. They also examine real-world use cases to understand how AI enhances decision-making, drives efficiency, impacts privacy and creates competitive advantage.

Course Credit Hours

4

Corequisites

- BUSN115 Introduction to Business and Technology (3)

Prerequisites

None

BUSN219 - Marketing Fundamentals

Course Description

This course introduces the theory, systems and processes of communicating the value of goods and services to satisfy needs and wants, while considering business goals and social responsibilities. Product definition, market research, customer identification, branding and pricing are addressed.

Course Credit Hours

3

Corequisites

None

Prerequisites

- BUSN115 Introduction to Business and Technology (3)

BUSN258 - Customer Relations

Course Description

This course examines components of a solid customer relations program and develops students' ability to recognize and participate in such programs. Students develop interpersonal communication and listening skills as well as conflict resolution skills. They also explore customer relations as an effective sales technique.

Course Credit Hours

4

Corequisites

None

Prerequisites

- BUSN115 Introduction to Business and Technology (3)

BUSN260 - AI and Customer Engagement

Course Description

This course examines components of solid customer relations programs and prepares students to recognize and participate in such programs. Emphasis is placed on how AI technologies can support business functions, customer engagement and the customer life cycle. Students examine real-world use cases to understand how application of AI can enhance customer relations, efficiency and competitive advantage. They also explore customer relations as an effective sales technique.

Course Credit Hours

4

Corequisites

None

Prerequisites

- BUSN115 Introduction to Business and Technology (3)

BUSN278 - Budgeting and Forecasting

Course Description

In this course students design and implement a departmental budget encompassing the various processes that account for resource expenditures. Students develop a long-range budget forecast and then assess its impact on departmental planning.

Course Credit Hours

4

Corequisites

None

Prerequisites

None

BUSN311 - Business Applications of AI

Course Description

This course explores integration of artificial intelligence (AI) across key business functions, including marketing, operations, supply chain, finance and customer experience. Students evaluate case studies and industry applications to understand how AI methods such as machine learning, automation and predictive analytics can drive strategic outcomes. The course emphasizes evaluating AI solutions for business value, scalability and ethical considerations.

Course Credit Hours

3

Corequisites

None

Prerequisites

- BUSN210 Fundamentals of Artificial Intelligence in Business (4)

BUSN315 - Contemporary Business

Course Description

This course provides an overview of business and economic principles and theory. Students consider ways in which businesses must respond to a constantly changing competitive environment that is both local and global in scale. Coursework addresses business institutions; roles and responsibilities of management; and functions such as finance, accounting, organizational management, marketing and human resources. Ethics, social responsibility and the impact of technology on business are considered.

Course Credit Hours

3

Corequisites

None

Prerequisites

Successful completion of 60 semester-credit hours

BUSN319 - Marketing

Course Description

In this course students apply principles and strategies for marketing products and services to industrial, commercial and governmental entities. Topics include ways in which market information and product life cycle affect product and production design; forecasting techniques; interdependencies between marketing and operations functions; and selling skills.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete all of the following

- BUSN115 Introduction to Business and Technology (3)

Complete at least 1 of the following

- MATH114 Algebra for College Students (4)
- MATH116 Algebra for College Students (3)

BUSN340 - Introduction to Risk Analysis

Course Description

This course examines the process of identifying and evaluating how potential issues may negatively impact business outcomes. Through case studies, students perform risk analyses, including assessing the qualitative and quantitative impact of potential risks. Identifying and analyzing risk types and risk-mitigation strategies are also covered. Topics include risk analysis tools, communication of risk, risk avoidance and recovering from risk.

Course Credit Hours

4

Corequisites

None

Prerequisites

None

BUSN350 - Business Analysis

Course Description

This course introduces tasks and techniques used to systematically understand the structure, operations, processes and purposes of an organization. Approaches to needs assessment, data collection, elicitation, analysis and synthesis are covered. Problems and cases are used to explore various organizational functions with multiple stakeholders.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete all of the following

Successful completion of 56 semester-credit hours
Complete at least 1 of the following

- MATH221 Statistics for Decision-Making (4)
- MATH226 Statistics for Decision-Making (3)

BUSN355 - AI and Strategic Decision-Making

Course Description

Students in this course evaluate how artificial intelligence (AI) can be applied to support understanding of an organization’s structure, operations, processes and strategic goals. Methods and techniques for needs assessment, data collection, elicitation, analysis and synthesis are evaluated, with emphasis on how AI-driven tools enhance these processes. Through problems and case studies, students examine organizational functions across complex business environments to evaluate how AI can inform decision-making, optimize strategies and create competitive advantage.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- MATH114 Algebra for College Students (4)
- MATH116 Algebra for College Students (3)

BUSN369 - International Business

Course Description

This course introduces key concepts defining today’s competitive global environment – including various cultural, political, economic and legal systems – and their impact on international business. In addition, students examine various international business issues, trends, monetary systems, trade policies and institutions, as well as regional economic integration.

Course Credit Hours

4

Corequisites

None

Prerequisites

- BUSN115 Introduction to Business and Technology (3)

BUSN379 - Finance

Course Description

This course introduces corporate financial structure and covers basic capital budgeting techniques, including discounted cash flow analysis. Funds sources and financial resource allocation are analyzed. Spreadsheet software packages are used to analyze data and solve case-based problems.

Course Credit Hours

3

Corequisites

None

Prerequisites

None

BUSN412 - Business Policy

Course Description

This course integrates functional disciplines within the curriculum, and introduces the nature of strategic management as well as how business policy is created. Topics include organizational vision and mission, industry and competitive analysis, sustainable competitive advantage, strategy formulation and implementation, and strategic leadership. Through case analyses and a simulation exercise, students develop strategic plans and engage in strategic management.

Course Credit Hours

4

Corequisites

None

Prerequisites

- MGMT303 Principles of Management (3)

BUSN440 - Business Plan Writing

Course Description

Students in this course research, develop and write comprehensive business plans for corporate business development initiatives. Coursework addresses exploring business opportunities; analyzing markets; assessing competitors; and designing strategic marketing, operational and financial plans that align with corporate goals. Emphasis is placed on creating clear, persuasive and realistic plans that communicate projects' strategic value and feasibility to internal stakeholders, executives and potential partners.

Course Credit Hours

3

Corequisites

None

Prerequisites

- BUSN115 Introduction to Business and Technology (3)

BUSN460 - Senior Project

Course Description

In this capstone course, students apply previously developed business knowledge and skills, including problem-solving, critical thinking and communication skills, to create a business plan that meets the needs of potential customers. Coursework highlights research strategies and collaboration. This course must be taken at DeVry.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete all of the following

Successful completion of 89 semester-credit hours
Permission from the appropriate academic administrator

BUSN464 - Experiential Senior Project

Course Description

In this capstone course, students gain real-world business experience by applying course concepts to practical business scenarios through a real-world business project. Coursework focuses on advancing the application of business knowledge and skills, including problem-solving, critical thinking and communication skills, to support strategic thinking and effective decision-making. This course must be taken at DeVry.

Course Credit Hours

4

Corequisites

None

Prerequisites

Permission from the appropriate academic administrator

BUSN465 - Business Planning Senior Project

Course Description

In this capstone course, students apply business knowledge and skills, including problem-solving, critical thinking and communication skills, to create a business plan that meets the needs of potential customers. Students gain practical business experience by applying course concepts to a real-world business scenario. Coursework highlights research strategies and collaboration. This course must be taken at DeVry.

Course Credit Hours

4

Corequisites

None

Prerequisites

Permission from the appropriate academic administrator

Business Information Systems

BIS155 - Data Analysis with Spreadsheets with Lab

Course Description

This course focuses on analyzing business situations using current spreadsheet software. Using data derived from real-world business situations, students learn to use appropriate spreadsheet software features to organize, analyze and present data, as well as to make business decisions.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete all of the following

Complete at least 1 of the following

- COMP100 Computer Applications for Business with Lab (2)
- COMP121 Computer Applications with AI for Business (2)

Complete at least 1 of the following

- MATH062 Beginning Algebra (4)
- MATH114 Algebra for College Students (4)
- MATH116 Algebra for College Students (3)

BIS245 - Database Essentials for Business with Lab

Course Description

This course introduces fundamentals of structured query language (SQL), the standard language for managing and querying relational databases. Topics include concepts such as creating, retrieving, updating and deleting data from databases using a database application. Coursework also addresses using SQL to create and manage databases and tables, apply conditions and filters, aggregate data and establish relationships between tables using JOINs. Constructing basic SQL queries that effectively interact with databases for data manipulation and retrieval tasks in a business environment is emphasized.

Course Credit Hours

4

Corequisites

None

Prerequisites

- BIS155 Data Analysis with Spreadsheets with Lab (3)

BIS275 - Advanced Excel

Course Description

The course focuses on advanced spreadsheet concepts, using data based on real-world business scenarios. Students build on basic spreadsheet skills and apply advanced Excel features and knowledge. Topics include macros, advanced functions, and business intelligence and data analytics tools.

Course Credit Hours

4

Corequisites

None

Prerequisites

- BIS155 Data Analysis with Spreadsheets with Lab (3)

BIS310 - Compliance and Security Management

Course Description

This course surveys the scope of security management, introducing principles and frameworks for recognizing security issues and solutions. Aspects of protecting people, information and physical assets, including loss prevention, are examined. Legal foundations, historical roots, operations and tools of security management are introduced, as is the role of security in contemporary business, government and public settings.

Course Credit Hours

4

Corequisites

None

Prerequisites

Complete at least 1 of the following

- BUSN115 Introduction to Business and Technology (3)
- CEIS101 Introduction to Technology and Information Systems (2)
- TECH101 Technology Fundamentals (3)

Business Intelligence and Analytics Management

BIAM110 - Introduction to Business Analytics

Course Description

This course provides an overview of methods used by organizations to create, collect, and use data. Analytical methods and tools that transform data into information for improved business decision-making are also covered. Methods for basic statistical analysis, linear regression, optimization, and data visualization are introduced using spreadsheets and other analytics software.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete 1 of the following

Complete at least 1 of the following

- CEIS110 Introduction to Programming (3)
- MATH221 Statistics for Decision-Making (4)
- MATH226 Statistics for Decision-Making (3)

OR take both of the below courses:

- BIS155 Data Analysis with Spreadsheets with Lab (3)
- BUSN115 Introduction to Business and Technology (3)

BIAM112 - Introduction to AI and Business Analytics

Course Description

This course explores foundational methods used to create, collect and use data. Analytical tools and methods for transforming data into information for improved business decision-making are also covered. Basic statistical analysis, linear regression, optimization and data visualization methods are introduced using spreadsheets and other analytics software. Students also explore using AI techniques to enhance data analysis and decision-making capabilities.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete 1 of the following

- MATH226 Statistics for Decision-Making (3)

OR

- BIS155 Data Analysis with Spreadsheets with Lab (3)
- BUSN115 Introduction to Business and Technology (3)

BIAM300 - Managerial Applications of Business Analytics

Course Description

This course examines major themes of business intelligence and business analytics. Through case studies, students explore how analytics impact organizational management in today's data-rich environment. Coursework addresses implementing business analytics techniques, business modeling, data sources, the business analyst's role in the organization, business process modeling, key performance indicators, use of data warehouses and data mining.

Course Credit Hours

4

Corequisites

None

Prerequisites

Complete all of the following

Complete at least 1 of the following

- BIAM110 Introduction to Business Analytics (3)
- BIS245 Database Essentials for Business with Lab (4)
- CEIS236 Database Systems and Programming Fundamentals (4)
- SIS230 Relational Databases (3)

Complete at least 1 of the following

- MATH221 Statistics for Decision-Making (4)
- TECH220 Data-Driven Decision-Making (3)
- TECH221 Data-Driven Decision-Making (4)

BIAM305 - Managerial and Ethical Applications of AI and Analytics

Course Description

This course examines major themes in business intelligence and business analytics, and the important role of AI in organizational management. Using real-world case studies, students evaluate how AI-enhanced analytics impact decision-making, strategy development and performance in data-rich environments. Business analytics techniques, business modeling, data sources, the business analyst's role, business process modeling, key performance indicators, data warehouses and data mining are also explored. Ethical implications of AI and analytics, including issues of fairness, transparency, privacy, accountability and responsible management of data-driven technologies, are emphasized.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete all of the following

- BIAM112 Introduction to AI and Business Analytics (3)

Complete at least 1 of the following

- MATH221 Statistics for Decision-Making (4)
- MATH226 Statistics for Decision-Making (3)

BIAM320 - Analytics in the Business Environment

Course Description

This course evaluates the role of analytics in today's business world. Students explore the need for business analytics in specific industries and how to generate, analyze and leverage data to improve business efficiency. Coursework addresses descriptive, diagnostic, predictive and prescriptive analytics, as well as identifying and applying appropriate business analytics methods. Careers in the business analytics field are also examined.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- BIAM110 Introduction to Business Analytics (3)
- BIAM112 Introduction to AI and Business Analytics (3)

BIAM400 - Applied Business Analytics

Course Description

This course examines use of optimized modeling techniques, including break-even analysis, optimization modeling, sensitivity analysis, linear programming, network models, regression, time series analysis, decision-making under uncertainty and simulation models.

Course Credit Hours

4

Corequisites

None

Prerequisites

Complete at least 1 of the following

- BIAM300 Managerial Applications of Business Analytics (4)
- BIAM305 Managerial and Ethical Applications of AI and Analytics (3)

BIAM410 - Database Concepts in Business Intelligence

Course Description

This course explores designing, developing, implementing and using a database to derive business intelligence solutions. Topics include roles, responsibilities, object relational impedance mismatch, data warehousing, online analytical processing and implementation of data mining tools. Case studies focusing on analyzing and interpreting data to support decision-making are used.

Course Credit Hours

4

Corequisites

None

Prerequisites

Complete at least 1 of the following

- BIAM110 Introduction to Business Analytics (3)
- BIS245 Database Essentials for Business with Lab (4)
- CEIS236 Database Systems and Programming Fundamentals (4)
- SIS230 Relational Databases (3)
- BIAM112 Introduction to AI and Business Analytics (3)

BIAM420 - Introduction to Internet Analytics

Course Description

This course focuses on analyzing and interpreting data to support decision-making for planning and performance assessment. Students are introduced to data sources such as web logs, big data, social data (e.g., emails, blogs, tweets), common key performance indicators and internet analytics tools.

Course Credit Hours

4

Corequisites

None

Prerequisites

- BIAM300 Managerial Applications of Business Analytics (4)

BIAM425 - Digital Performance Metrics

Course Description

This course helps advance students' understanding of concepts and tools used to measure, analyze and optimize digital performance in business and organizational contexts. Students explore web, social media and digital marketing performance metrics, as well as operational and customer engagement data. Emphasis is placed on how artificial intelligence (AI) enhances metric tracking, reporting and interpretation through methods and tools such as predictive analytics, machine learning models and automated dashboards. Students leverage AI-driven insights to improve decision-making, optimize strategies and create measurable value in digital environments.

Course Credit Hours

3

Corequisites

None

Prerequisites

- BIAM305 Managerial and Ethical Applications of AI and Analytics (3)

BIAM430 - Visualization and Predictive Analytics

Course Description

This course explores the intersection of predictive analytics and data visualization as a driver of effective business decisions. Students assess how to use past and current market and industry trends to predict company growth and performance. They also explore using data visualization techniques to interpret and communicate analytical findings. Topics include designing, creating and telling stories; understanding data types; and identifying possible applications of predictive analytics.

Course Credit Hours

4

Corequisites

None

Prerequisites

Complete all of the following

Complete at least 1 of the following

- BIAM110 Introduction to Business Analytics (3)
- BIAM112 Introduction to AI and Business Analytics (3)

Complete at least 1 of the following

- BIAM300 Managerial Applications of Business Analytics (4)
- BIAM305 Managerial and Ethical Applications of AI and Analytics (3)

Career Development

CARD205 - Career Development

Course Description

Career planning strategies and resources are explored to prepare students for a successful job search and to maximize potential for advancement and long-term professional growth. Students perform self-assessment and goal-setting activities, and apply research and evaluation skills to execute job search and career advancement strategies. Each student assembles a professional portfolio highlighting achievements, goals and concrete plans. This course must be taken at DeVry.

Course Credit Hours

2

Corequisites

None

Prerequisites

Successful completion of 25 semester-credit hours

CARD405 - Career Development

Course Description

Career planning strategies and resources are explored to prepare students for a successful job search and to maximize potential for advancement and long-term professional growth. Students perform self-assessment and goal-setting activities, and apply research and evaluation skills to execute job search and career advancement strategies. Each student assembles a professional portfolio highlighting achievements, goals and concrete plans. This course must be taken at DeVry. Students who receive credit for this course may not also receive credit for CARD415.

Course Credit Hours

2

Corequisites

None

Prerequisites

Successful completion of 89 semester-credit hours

CARD415 - Career Development Strategies

Course Description

Building on self-presentation and career planning skills gained earlier, students in this course acquire knowledge of ongoing career development strategies. Through research, analysis and discussion of case studies, videos, role-plays and contemporary business literature, students identify principles and practices associated with professionalism in today’s careers. Students develop potential career paths that suit personal strengths and aspirations, and develop greater awareness of themselves as communicators, problem-solvers and team players. This course must be taken at DeVry. Students who receive credit for this course may not also receive credit for CARD405.

Course Credit Hours

1

Corequisites

None

Prerequisites

Complete all of the following

Successful completion of 78 semester-credit hours

- CARD205 Career Development (2)

Communications

COMM491 - Senior Project I

Course Description

In this course, the first in a two-course sequence, students propose and begin development of an original thesis paper focusing on a critical issue within their area of concentration. Students apply acquired knowledge and skills, including competencies in problem-solving, critical thinking, research, teamwork, and oral and written communication, to a real-world problem at the conceptual and practical levels.

Course Credit Hours

2

Corequisites

None

Prerequisites

Complete all of the following

Successful completion of 89 semester-credit hours

- ENGL135 Advanced Composition (4)

Permission from the appropriate academic administrator

COMM492 - Senior Project II

Course Description

In this course, the second in a two-course sequence, students complete, prepare and present an original thesis paper focusing on a critical issue within their area of concentration. Students apply acquired knowledge and skills, including competencies in problem-solving, critical thinking, research, teamwork, and oral and written communication, to a real-world problem at the conceptual and practical levels.

Course Credit Hours

2

Corequisites

None

Prerequisites

- COMM491 Senior Project I (2)

Computer Applications and Programming

COMP100 - Computer Applications for Business with Lab

Course Description

This course introduces the basic concepts and principles of productivity tools widely used in business, such as word processing, spreadsheet and presentation software. Hands-on exercises provide students with experience in the use of Microsoft Word, Excel and PowerPoint, the common productivity software used in today's businesses.

Course Credit Hours

2

Corequisites

None

Prerequisites

None

COMP121 - Computer Applications with AI for Business

Course Description

This course introduces basic concepts and principles of productivity tools widely used in business, such as word processing, spreadsheet and presentation software. Hands-on exercises introduce students to AI applications in the business environment and provide students with experience using Microsoft Word, Excel and PowerPoint – the common productivity software leveraged in the workplace.

Course Credit Hours

2

Corequisites

None

Prerequisites

None

Computer Information Systems

CIS303 - Data Visualization and Presentation

Course Description

This course introduces manipulation, visualization and presentation of data using modern data tools such as Tableau and Power BI. Data connection, sourcing and analysis are applied, with a focus on visualization. Creating and refining data reports and dashboards are also covered.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- MATH221 Statistics for Decision-Making (4)
- TECH221 Data-Driven Decision-Making (4)

CIS306 - AI, Machine Learning and Data Science

Course Description

This course examines applied artificial intelligence, machine learning and predictive analytic tools. Data analysis, methods and modeling are covered, as are deep learning and cognitive computing. Text mining and sentiment analysis are also introduced.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- MATH221 Statistics for Decision-Making (4)
- TECH221 Data-Driven Decision-Making (4)

CIS313 - AI-Driven Business Application Coding

Course Description

This course introduces principles of artificial intelligence (AI) as well as machine learning algorithms and tools. Students apply AI and machine learning to design and implement a business solution or environment. Coursework also addresses ethics considerations and responsible practices in AI coding.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete all of the following

- CEIS150 Programming Objects (4)

Complete at least 1 of the following

- MATH221 Statistics for Decision-Making (4)
- TECH221 Data-Driven Decision-Making (4)

CIS355A - Business Application Programming with Lab

Course Description

Building on analysis, programming and database skills developed in previous courses, this course introduces fundamental principles and concepts of developing programs that support typical business processing activities and needs such as transaction processing and report generation. Students develop business-oriented programs that deal with error handling, data validation and file handling. Java is the primary programming language used.

Course Credit Hours

4

Corequisites

None

Prerequisites

- CEIS209 Intermediate Programming (4)

CIS363B - Web Interface Design with Lab

Course Description

This course introduces web design and basic programming techniques for developing effective and useful websites. Coursework emphasizes website structure and navigational models, practical and legal usability considerations, and performance factors related to using various types of media and tools such as hypertext markup language (HTML), cascading style sheets (CSS), dynamic HTML (DHTML) and scripting. Extensible HTML (XHTML) and JavaScript are the primary software tools used.

Course Credit Hours

4

Corequisites

Complete all of the following

Students must satisfy pre-reqs or take with the below co-reqs

- WGD229 Information Design (4)

Prerequisites

Complete all of the following

Students must satisfy pre-requisites or take with co-requisite course listed above

- CEIS209 Intermediate Programming (4)

CIS407A - Web Application Development with Lab

Course Description

This course builds on analysis, interface design and programming skills learned in previous courses and introduces basics of design, coding and scripting, as well as database connectivity for web-based applications. A programming language such as Visual Basic.Net, C++.Net or C#.Net is used to implement web-based applications. ASP.Net is the primary software tool used.

Course Credit Hours

4

Corequisites

None

Prerequisites

- CIS363B Web Interface Design with Lab (4)

Criminal Justice

CRMJ300 - Criminal Justice

Course Description

This course focuses on criminal and juvenile justice, and examines the total system of police, courts and corrections. Emphasis is given to interaction of law, crime and criminal justice agency administration in preventing, treating and controlling crime. This course is designed for students with one year of professional experience in law enforcement, criminal justice or a closely related field.

Course Credit Hours

3

Corequisites

- ENGL112 Composition (4)

Prerequisites

None

CRMJ310 - Law Enforcement

Course Description

This course covers the roles of police and law enforcement, and examines the profession, from its historical roots to current concepts such as community policing and homeland security. Policing functions, actions, technology, control and standards are analyzed.

Course Credit Hours

3

Corequisites

None

Prerequisites

- CRMJ300 Criminal Justice (3)

CRMJ315 - Juvenile Justice

Course Description

Students in this course examine causes of offending juvenile behavior and analyze juvenile justice system responses, including historical development of the system. Agencies, the police, law, courts and corrections dealing with juveniles are covered. Contemporary issues such as gangs and juveniles in adult courts are explored.

Course Credit Hours

3

Corequisites

None

Prerequisites

- CRMJ300 Criminal Justice (3)

CRMJ320 - Theory and Practice of Corrections

Course Description

This course examines the historical foundations, ideological and pragmatic justifications for punishment, sentencing trends and alternatives to incarceration. Organization, operation and management of correctional institutions; systems of correction; and inmate life, treatment, discharge and parole are examined.

Course Credit Hours

3

Corequisites

None

Prerequisites

- CRMJ300 Criminal Justice (3)

CRMJ400 - Criminology

Course Description

This course examines theories and causes of crime, as well as behavior of criminals. Coursework also focuses on victims and societal reaction to crime. Criminal statistics, patterns of crime and typologies are examined, as are ways in which theories are employed within the criminal justice system.

Course Credit Hours

3

Corequisites

None

Prerequisites

- CRMJ300 Criminal Justice (3)
- ENGL135 Advanced Composition (4)

CRMJ410 - Criminal Law and Procedure

Course Description

This course addresses crimes and penalties as defined by law, as well as procedural law regulating enforcement of criminal law. Constitutional principles, types of offenses and the process of law enforcement and procedures (i.e., search, seizure, arrest, interrogation, identification, trial, sentencing, punishment and appeal) are covered.

Course Credit Hours

3

Corequisites

None

Prerequisites

- CRMJ400 Criminology (3)

CRMJ420 - Criminal Investigation

Course Description

This course covers theory, practice, techniques and elements of crime and criminal investigation. Recognizing crime, suspects and perpetrators is approached through problem-solving methodology. Case preparation, testimony, and the evidentiary process for investigating and reconstructing crime are examined.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- CRMJ400 Criminology (3)
- JADM340 Criminal Evidence (3)

CRMJ425 - Ethics and Criminal Justice

Course Description

This course introduces basic ethical theories, emphasizing how such theories can be applied to contemporary problems in law enforcement, corrections and adjudications. Students apply various ethical frameworks to typical moral dilemmas in criminal justice.

Course Credit Hours

3

Corequisites

None

Prerequisites

- CRMJ300 Criminal Justice (3)

CRMJ450 - Terrorism Investigation

Course Description

This course focuses on techniques law enforcement professionals employ in investigating terrorism. Strategic, political, social and religious underpinnings of terrorism are examined, as are current challenges, laws and policies in defense of the U.S. homeland. Preparations for, and responses to, terrorist attacks are covered.

Course Credit Hours

3

Corequisites

None

Prerequisites

- CRMJ310 Law Enforcement (3)

Critical Thinking

COLL148 - Critical Thinking and Problem-Solving

Course Description

This course focuses on identifying and articulating skills needed for academic and professional success. Coursework provides instruction and practice in critical thinking and problem-solving through analysis of critical reading and reasoning, as well as through examination of problem-solving methodologies. Students learn to work in teams, to identify and resolve problems, and to use research effectively to gather and evaluate relevant and useful information. This course must be taken at DeVry.

Course Credit Hours

3

Corequisites

None

Prerequisites

None

Economics

ECON312 - Principles of Economics

Course Description

This course introduces basic concepts and issues in microeconomics, macroeconomics and international trade. Microeconomic concepts, such as supply and demand and the theory of the firm, serve as foundations for analyzing macroeconomic issues. Macroeconomic topics include gross domestic product (GDP), and fiscal and monetary policy, as well as international topics such as trade and exchange rates. The course stresses analyzing and applying economic variables of real-world issues.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete all of the following

Complete at least 1 of the following

- ENGL108 Composition with Lab (3)
- ENGL112 Composition (4)

Complete at least 1 of the following

- MATH111 Integrated Math I (3)
- MATH114 Algebra for College Students (4)
- MATH116 Algebra for College Students (3)
- MATH121 Integrated Math II (3)

Electronics and Computer Technology

ECT226 - Electronic Device and System Foundations

Course Description

The course begins with DC and AC circuit fundamentals with analysis, simulation and measurement of passive components (resistors, capacitors, and inductors). Semiconductor-based devices, such as diodes and transistors, are then introduced, followed by more complex integrated circuits and related electronic components, such as sensors and transducers. Students gain proficiency in working with complete electronic systems.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete all of the following

Complete at least 1 of the following

- CEIS114 Introduction to Digital Devices (3)
- TECH114 Connected Digital Devices (3)

Complete at least 1 of the following

- MATH111 Integrated Math I (3)
- MATH114 Algebra for College Students (4)
- MATH116 Algebra for College Students (3)

ECT260 - Manufacturing Techniques

Course Description

This course introduces additive, subtractive and formative techniques used to transform raw materials into finished products. Students explore materials, machining, assembly, 3D printing, biotechnologies and self-assembly. Coursework examines application of such techniques in major industries such as chemicals; food and beverage; electronics; automotive; and semiconductors.

Course Credit Hours

3

Corequisites

None

Prerequisites

- ECT226 Electronic Device and System Foundations (3)

ECT286 - Automation and Control

Course Description

This course focuses on process controls and automation that utilize hardware, such as microcontrollers and programmable logic controllers (PLCs). Optimization of automation applications is explored.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- CEIS114 Introduction to Digital Devices (3)
- TECH114 Connected Digital Devices (3)

ECT308 - Introduction to Computer-Aided Design

Course Description

This course is designed to help students develop computer-assisted design and modelling skills that can be applied in diverse technology fields including biomedical, mechanical, electrical and electronic design. Students leverage computer-aided design software to facilitate design generation. Benefits and methods of iterative and rapid prototyping are covered.

Course Credit Hours

3

Corequisites

None

Prerequisites

- CEIS114 Introduction to Digital Devices (3)
- MATH114 Algebra for College Students (4)

ECT313 - Generative Design

Course Description

This course introduces artificial intelligence (AI) technologies applied to computer-aided design. Students explore how AI can augment the design and problem-solving processes; automate tedious and repetitive work; and analyze project data to offer predictive insights.

Course Credit Hours

3

Corequisites

None

Prerequisites

- ECT308 Introduction to Computer-Aided Design (3)

ECT315 - Industrial IoT

Course Description

This Industrial IoT course focuses on how to control and collect data from industrial system. Students learn how production and system assets, such as factory equipment, are connected and integrated into to IT infrastructure and the internet. Topics include PLCs, controllers, IoT deployment, communication standards, MODBUS, and IoT system administration. Cases in transportation, energy and manufacturing industries are examined.

Course Credit Hours

3

Corequisites

None

Prerequisites

- ECT286 Automation and Control (3)

ECT320 - Manufacturing Processes and Systems

Course Description

This course covers a wide range of manufacturing concepts, including production methods, workflows, logistics, ergonomics, safety, processes, automation and environments.

Course Credit Hours

3

Corequisites

None

Prerequisites

- ECT286 Automation and Control (3)

ECT325 - Electromechanical Systems

Course Description

This course presents a variety of integrated technologies and systems involving electronics, fluid power/flow, mechanical systems and computing devices. Fundamentals of robotics, motors, drives, sensors, actuators and hydraulic systems are covered.

Course Credit Hours

3

Corequisites

None

Prerequisites

- ECT286 Automation and Control (3)

ECT345 - Signals and Systems

Course Description

This course presents fundamental concepts of signals and systems, which are classified and analyzed in both time and frequency domains. Topics include Fourier, LaPlace and z-transforms; frequency analysis; convolutions; and linear, time-invariant (both continuous and discrete) systems.

Course Credit Hours

4

Corequisites

None

Prerequisites

- MATH265 Applied Calculus (4)
- TECH204 Everyday Physics (4)

Engineering Technology and Information Sciences

CEIS101 - Introduction to Technology and Information Systems

Course Description

This course introduces the basics of the Internet of Things (IoT) and characterizes the way that People, Places, Data, and Devices (P2D2) work together. The basics of networking, computing, and electronic devices as applied to IoT are the focus as students' problem-solving skills are developed.

Course Credit Hours

2

Corequisites

None

Prerequisites

Complete all of the following

- BUSN062 Introduction to Business Communication (4)
- MATH062 Beginning Algebra (4)

or the equivalents, including successful placement in standard English and/or math courses.

CEIS101C - Introduction to Technology and Information Systems

Course Description

This course introduces the basics of the Internet of Things (IoT) and characterizes the way that People, Places, Data, and Devices (P2D2) work together. The basics of networking, computing, and electronic devices as applied to IoT are the focus as students' problem-solving skills are developed.

Course Credit Hours

2

Corequisites

None

Prerequisites

Complete all of the following

- BUSN062 Introduction to Business Communication (4)
- MATH062 Beginning Algebra (4)

CEIS106 - Introduction to Operating Systems

Course Description

This course presents operating system concepts by examining Windows, Linux, mobile, and virtual based systems. Computing system architectures and devices are considered. Basic scripting is introduced.

Course Credit Hours

4

Corequisites

- CEIS101 Introduction to Technology and Information Systems (2)
- CEIS101C Introduction to Technology and Information Systems (2)

Prerequisites

- MATH062 Beginning Algebra (4)
- BUSN062 Introduction to Business Communication (4)

CEIS110 - Introduction to Programming

Course Description

This introductory programming course presents the basic elements of programming, including variables, expressions, conditionals, and functions, and then uses these elements to create simple interactive applications. Program specification design, documentation, and validation are also covered.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete all of the following

Complete at least 1 of the following

- BIAM110 Introduction to Business Analytics (3)
- CEIS101 Introduction to Technology and Information Systems (2)
- CEIS101C Introduction to Technology and Information Systems (2)

Complete at least 1 of the following

- BUSN062 Introduction to Business Communication (4)
- MATH062 Beginning Algebra (4)

or the equivalents, including successful placement in standard English and/or math courses

CEIS114 - Introduction to Digital Devices

Course Description

This course explores digital concepts, devices and connectivity within the realm of the Internet of Things (IoT). The basics of networking, computing, and digital devices are further explored. Practical application of IoT systems and concepts are accomplished throughout the course. IoT solutions are derived to solve industry or societal problems from a global perspective.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete all of the following

- BUSN062 Introduction to Business Communication (4)
- MATH062 Beginning Algebra (4)

Complete at least 1 of the following

- CEIS101 Introduction to Technology and Information Systems (2)
- CEIS101C Introduction to Technology and Information Systems (2)

CEIS150 - Programming Objects

Course Description

This course builds on structured programming and introduces object-oriented and functional programming concepts. Students design, code, test and document business-oriented solutions using complex algorithms. Advanced topics include the use of libraries for data manipulation and visualization.

Course Credit Hours

4

Corequisites

None

Prerequisites

- CEIS110 Introduction to Programming (3)

CEIS200 - Software Engineering I

Course Description

This course applies tools that are typical of software engineering settings and explores requirements; design; testing; metrics; process improvement; quality assurance; software configuration management, maintenance, and release, as well as ethics.

Course Credit Hours

3

Corequisites

None

Prerequisites

- CEIS209 Intermediate Programming (4)

CEIS209 - Intermediate Programming

Course Description

This course explores structured and object-oriented program development. Topics include language syntax, selection and iteration control structures, functions, debugger tools and techniques, objects, classes, encapsulation, polymorphism and inheritance. An integrated development environment is used to program, design, code and test structured and object-oriented applications. A programming language, such as C#, is used.

Course Credit Hours

4

Corequisites

None

Prerequisites

- CEIS150 Programming Objects (4)

CEIS236 - Database Systems and Programming Fundamentals

Course Description

This course explores universal aspects of database systems that are common across programming languages, operating systems, or application types. Systems reviewed range from personal device and desktop databases to large-scale, distributed database servers. Classic relational databases to modern data warehouses are presented. Topics covered are library creation, primary key selection, column identification, defining relationships, normalization, data indexing and storage, and query languages. Students code and execute programs and routines that create, insert, update, and delete data.

Course Credit Hours

4

Corequisites

None

Prerequisites

Complete at least 1 of the following

- CEIS110 Introduction to Programming (3)
- CIS363B Web Interface Design with Lab (4)

CEIS295 - Data Structures and Algorithms

Course Description

This course introduces structures that allow efficient organization and data retrieval, frequently used algorithms and basic techniques for modeling, as well as understanding and solving algorithmic problems. Arrays and linked lists; hash tables and associative arrays; sorting and selection; priority queues; sorted sequences; trees; graph representation; graph traversal; and graph algorithms are covered.

Course Credit Hours

3

Corequisites

None

Prerequisites

- CEIS209 Intermediate Programming (4)

CEIS297 - Technology Career Foundations

Course Description

This course reviews and reinforces basic entry-level knowledge and skills needed for a variety of digital technology-based fields. Industry topics covered are applications of basic computing; networking and connectivity; operating systems; coding; programming; security; and data storage and retrieval. Students take practice exams to prepare for the CompTIA IT Fundamentals Plus certification exam. This course is graded on a Satisfactory/Unsatisfactory basis.

Course Credit Hours

1

Corequisites

Complete 1 of the following CEIS150 NETW212 NETW270

Prerequisites

None

CEIS298 - Introduction to Technical Project Management

Course Description

This course presents basic project management concepts and focuses on managing less complex, smaller and/or routine projects often led by those in technical career positions. Essential project management concepts across various project management methodologies and frameworks are explored.

Course Credit Hours

1

Corequisites

Complete 1 of the following

- CEIS150 Programming Objects (4)
- ECT226 Electronic Device and System Foundations (3)
- NETW191 Fundamentals of Information Technology and Networking (3)
- NETW212 Introduction to Cloud Computing (3)
- NETW260 Intermediate Information Technology & Networking I (3)
- NETW270 Intermediate Information Technology & Networking II (3)
- NETW310 Wired, Optical and Wireless Communications with Lab (3)
- SIS180 Introduction to Machine Learning and Artificial Intelligence (3)
- TECH110 Coding and Scripting (3)

Prerequisites

None

CEIS301 - Engineering Technology Fundamentals

Course Description

This course introduces fundamental concepts of engineering technology. Topics include design, communication, and ethics for the engineering technology profession and fundamental engineering technology principles.

Course Credit Hours

3

Corequisites

None

Prerequisites

- TECH204 Everyday Physics (4)

CEIS320 - Introduction to Mobile Device Programming

Course Description

This course introduces mobile operating systems programming. Students explore the Android and iOS operating systems with the goal of creating an application for one of these systems. Topics include menu systems, user interfaces, 2D graphics and audio.

Course Credit Hours

3

Corequisites

None

Prerequisites

- CEIS209 Intermediate Programming (4)

CEIS340 - Database Management

Course Description

Students explore techniques for administering and managing non-relational (NoSQL) databases. Implementation and design of non-relational data are covered. Management considerations for relational versus various types of NoSQL databases are compared with other contemporary database management systems and tools.

Course Credit Hours

3

Corequisites

None

Prerequisites

- CEIS236 Database Systems and Programming Fundamentals (4)

CEIS400 - Software Engineering II

Course Description

This course emphasizes best practices in the implementation phase of the software development life cycle (SDLC). Application software engineering techniques are reinforced using UML/OOAD and project management skills covered in CEIS200 to an application-oriented team project based on a business scenario. The project provides real-world experience by integrating software engineering practices focusing on programming, testing and other implementation activities to deliver a product that meets approved specifications through lab assignments.

Course Credit Hours

3

Corequisites

None

Prerequisites

- CEIS200 Software Engineering I (3)

CEIS420 - Programming Languages and Advanced Techniques

Course Description

Students focus on programming language concepts and design principles of programming paradigms (imperative, functional, object-oriented and logical). Topics include a history of programming languages, data types supported, control structures and run-time management of dynamic structures.

Course Credit Hours

3

Corequisites

None

Prerequisites

- CEIS209 Intermediate Programming (4)

CEIS490 - Ecosystem of The Internet of Things

Course Description

This course focuses on the Internet of Things (IoT) as a networked system. Coursework examines meshes, wireless networks, sensor nets and other configurations using low-power, low-cost modern devices interconnected into a robust system. Also addressed are data mining systems that gather information from many sources and identify patterns within it. IoT applications in which devices function and communicate with the internet are explored.

Course Credit Hours

3

Corequisites

None

Prerequisites

- ECT315 Industrial IoT (3)

CEIS499 - Preparation for the Profession

Course Description

This course prepares learners for careers in technology fields by exploring industry opportunities, researching organizations, and aligning personal and professional skill sets with workforce needs. Learners develop a professional online presence, practice interview skills and work to build a strong professional network.

Course Credit Hours

1

Corequisites

Complete at least 1 of the following

- CEIS400 Software Engineering II (3)
- CEIS490 Ecosystem of The Internet of Things (3)
- NETW450 Cloud Development (3)
- NETW451 Cloud Operations (3)
- SEC322 Penetration Testing (3)
- TECH460 Senior Project (3)
- WEB375 Web Architecture with Lab (4)

Prerequisites

Complete at least 1 of the following

- CEIS298 Introduction to Technical Project Management (1)

English Composition

ENGL108 - Composition with Lab

Course Description

This course introduces elements of composition through analysis of essays, articles and other written works. Readings are used as models for writing practice and development. Writing assignments stress process approaches, revision and audience awareness. Word processing and electronic communication tools support the composition process. Students who receive credit for this course may not also receive credit for ENGL112.

Course Credit Hours

3

Corequisites

None

Prerequisites

Eligibility to enroll in the course is based on placement results or on successful completion of BUSN062 - Introduction to Business Communication

ENGL112 - Composition

Course Description

This course develops writing skills through analysis of essays, articles and other written works that are used as models for writing practice and development. Writing assignments stress process approaches, development, organization, revision and audience awareness. Students use word processing and web-based tools to develop written work. Students who receive credit for this course may not also receive credit for ENGL108.

Course Credit Hours

4

Corequisites

None

Prerequisites

Eligibility to enroll in the course is based on placement results or on successful completion of BUSN062 - Introduction to Business Communication

ENGL135 - Advanced Composition

Course Description

This course builds on the conventions and techniques of composition through critical reading requirements and longer, more sophisticated reports, including a documented library research paper. Assignments require revising and editing for an intended audience. Students are also taught search strategies for accessing a variety of print and electronic resources.

Course Credit Hours

4

Corequisites

None

Prerequisites

Complete at least 1 of the following

- ENGL108 Composition with Lab (3)
- ENGL112 Composition (4)

ENGL136 - Advanced Composition

Course Description

This course builds on the conventions and techniques of composition through critical reading requirements and longer, more sophisticated reports, including a documented library research paper. Assignments require revising and editing for an intended audience. Students are also taught search strategies for accessing a variety of print and electronic resources.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- ENGL108 Composition with Lab (3)
- ENGL112 Composition (4)

ENGL206 - Technical Communication

Course Description

Students in this course apply writing skills to common business and technical correspondence such as memos, letters and brief reports. They also adapt written materials for oral presentation and explore the research process. The highlight of the course is a brief research project presented in both written and oral forms.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- ENGL108 Composition with Lab (3)
- ENGL112 Composition (4)

ENGL216 - Technical Writing

Course Description

This course builds on basic composition principles and focuses on common technical and workplace documents including descriptions; instructions; procedures; reports; proposals; analyses; and other types of applied writing, such as memos and letters. Students apply a writing process strategy and guidelines for audience analysis, effective technical style, organizational strategies and visual aids.

Course Credit Hours

4

Corequisites

None

Prerequisites

Complete at least 1 of the following

- ENGL108 Composition with Lab (3)
- ENGL112 Composition (4)

Ethics

ETHC232 - Ethical and Legal Issues in the Professions

Course Description

This course provides a framework for decision-making in professional practice. Ethical principles, social responsibility, legal and regulatory requirements, and professional codes of conduct are explored to help students develop a clear perspective and a sense of ownership for choices they make. General principles are applied using examples from professions in specific areas such as electronics and computer technology, network systems administration and health information technology.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- ENGL108 Composition with Lab (3)
- ENGL112 Composition (4)

ETHC445 - Principles of Ethics

Course Description

This course provides knowledge of ethics students need to make moral decisions in both their professional and personal lives. Combining moral theories and applied ethics topics, coursework helps students explore traditional and contemporary ethics dilemmas, as well as reflect on and evaluate their moral beliefs. Balancing respect for diversity and claims of universality, the course puts ethics principles in the social and cultural context of the world today.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- ENGL135 Advanced Composition (4)
- ENGL136 Advanced Composition (3)

Finance

FIN351 - Investment Fundamentals and Security Analysis

Course Description

This course introduces security analysis and valuation, focusing on how to make investment decisions. Topics include the nature of securities, mechanics and costs of trading, the way in which securities markets operate, the relationship between risk and return, equity securities, fixed income securities, portfolio diversification and concepts of valuation.

Course Credit Hours

4

Corequisites

None

Prerequisites

- BUSN379 Finance (3)

FIN364 - Money and Banking

Course Description

This course introduces the global financial system, focusing on the role of financial services companies in money and capital markets. Topics include the nature of money and credit, U.S. banking systems, central bank policies and controls, funds acquisitions, investments and credit extension.

Course Credit Hours

4

Corequisites

None

Prerequisites

- BUSN379 Finance (3)

FIN382 - Financial Statement Analysis

Course Description

This course covers financial statement analysis and interpretation. Topics include techniques used to analyze and interpret financial statements in order to understand and evaluate a firm's financial strength, income potential, working capital requirements and debt-paying ability.

Course Credit Hours

4

Corequisites

None

Prerequisites

- BUSN379 Finance (3)

FIN390 - Fixed Income Securities Analysis

Course Description

This course introduces the role of fixed-income securities in corporate finance with a focus on the characteristics of fixed-income securities and how they are traded along with how bond prices and yields are determined. Topics include sinking funds; bond redemption; debt market structure; bond investment risk; global bond sectors and instruments; yield spreads and measures; bond valuation; interest rate term structure and volatility. In addition, students explore mortgage-backed securities, asset-backed securities, trading strategies, and the investment process.

Course Credit Hours

4

Corequisites

None

Prerequisites

- BUSN379 Finance (3)

Global Supply Chain Management

GSCM206 - Managing Operations Across the Supply Chain

Course Description

This course introduces operations and supply chain management, examining the products-to-services spectrum in terms of transformation processes and their impact on the supply chain. Coursework addresses operations and supply chain strategy as related to other functions within an organization and focuses on strategic areas impacting supply chain decision-making. Spreadsheet and presentation software are used as students prepare and analyze potential business solutions and then present these solutions.

Course Credit Hours

4

Corequisites

None

Prerequisites

None

GSCM208 - Supply Chain Decision Support Tools

Course Description

This course introduces analytical tools and technologies used to support effective decision-making in supply chain management. Students apply data-driven models and techniques such as forecasting, optimization, simulation and inventory analysis to improve supply chain performance. Topics include demand planning, capacity management, sourcing, logistics and risk analysis.

Course Credit Hours

3

Corequisites

None

Prerequisites

- GSCM206 Managing Operations Across the Supply Chain (4)

GSCM209 - Supply Chain Management Decision Support Tools and Applications

Course Description

This course introduces numerical models used as decision-making tools in operations practice and examines how they impact supply chain efficiency. Coursework is designed to enhance students' skills in problem identification and formulation; solution derivation; and decision-making.

Course Credit Hours

4

Corequisites

None

Prerequisites

- GSCM206 Managing Operations Across the Supply Chain (4)

GSCM326 - Total Quality Management

Course Description

This course presents quality-related procedures and concepts for enhancing goods, services and the entire business environment. Quality planning, assurance and control are covered as parts of a total quality system, and students become familiar with various methods of process control and acceptance sampling, including using control charts and sampling plans. Probability and statistical concepts as related to process control are examined in depth.

Course Credit Hours

4

Corequisites

None

Prerequisites

Complete at least 1 of the following

- MATH200 Quantitative Reasoning (4)
- MATH221 Statistics for Decision-Making (4)
- MATH226 Statistics for Decision-Making (3)

GSCM330 - Strategic Supply and Master Planning

Course Description

This course focuses on the supply chain planning process and addresses formal master production scheduling (MPS), materials resource planning (MRP), capacity resource planning (CRP) and inventory techniques required for optimal supply chain efficiencies. Contemporary topics such as the Theory of Constraints are also examined.

Course Credit Hours

4

Corequisites

None

Prerequisites

- GSCM206 Managing Operations Across the Supply Chain (4)

GSCM340 - Procurement and Sourcing Applications

Course Description

This course examines principles, strategies and tools used in procurement and sourcing to create value and drive organizational performance. Students evaluate supplier selection, contract management, negotiation, cost analysis and risk management, as well as the role of procurement in supporting sustainability and ethical supply chain practices.

Course Credit Hours

3

Corequisites

None

Prerequisites

- GSCM206 Managing Operations Across the Supply Chain (4)

GSCM434 - Supply Chain Logistics, Distribution and Warehousing

Course Description

This course introduces logistics, distribution, transportation and warehousing fundamentals, which form the backbone of supply chain management. Coursework provides end-to-end views of the global supply chain management environment, as well as a holistic view of system objectives related to customer service and total cost issues.

Course Credit Hours

4

Corequisites

None

Prerequisites

- GSCM206 Managing Operations Across the Supply Chain (4)

GSCM440 - Supply Chain Procurement Management and Sourcing Strategy

Course Description

This course examines supply chain management fundamentals, strategy and execution. Coursework examines the role of supply management across the entire supply chain and addresses strategic cost management; make versus buy versus partner decisions; supplier evaluation, selection, assessment and quality assurance; the sourcing/procurement process; and e- and global sourcing.

Course Credit Hours

4

Corequisites

None

Prerequisites

- GSCM206 Managing Operations Across the Supply Chain (4)

GSCM460 - Global Issues in Supply Chain Management

Course Description

Students in this course apply supply chain management tools and procedures to real-world case studies. Coursework emphasizes applying SCM elements in order to enhance supply chain effectiveness and efficiency; analysis, problem-solving, prediction and system implementation skills used in best-in-class supply chain organizations; estimating risk; and forecasting business results.

Course Credit Hours

4

Corequisites

None

Prerequisites

- GSCM206 Managing Operations Across the Supply Chain (4)

Health Information Management

HIM312 - Introduction to Health Services Management

Course Description

This course focuses on the impact of public policy on healthcare delivery in the United States. Political, social, economic and technological influences are explored, as are cultural values and beliefs regarding health that contribute to U.S. policy-making process. Students who receive credit for this course may not also receive credit for HCA310 or HSM410.

Course Credit Hours

4

Corequisites

None

Prerequisites

None

HIM325 - Healthcare Statistics and Research

Course Description

In this course, students apply statistical analysis tools and biomedical research methodologies to health information management processes and cases. Descriptive statistics, nonparametric methods and inferential concepts are used to organize health data and present health information. Vital statistics methods and epidemiological principles are applied. The course also covers research design/methods and research protocols.

Course Credit Hours

4

Corequisites

None

Prerequisites

Complete all of the following

Complete at least 1 of the following

- HCA221 Healthcare Billing and Insurance Fundamentals (3)
- HIT230 Health Insurance and Reimbursement (3)
- HIT235 Health Insurance Billing and Reimbursement (3)

AND

Complete at least 1 of the following

- MATH221 Statistics for Decision-Making (4)
- MATH226 Statistics for Decision-Making (3)

HIM335 - Health Information Systems and Networks with Lab

Course Description

This course builds on coursework in healthcare information systems, and introduces information technologies – architecture, tools, network topologies and devices – that support storage and communication of health information. Also included are telecommunications systems, transmission media and interfaces that provide interoperability of organization-wide healthcare information systems.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- HCA221 Healthcare Billing and Insurance Fundamentals (3)
- HIT230 Health Insurance and Reimbursement (3)
- HIT235 Health Insurance Billing and Reimbursement (3)
- HSM310 Introduction to Health Services Management (4)

HIM342 - Health Services Finance

Course Description

Students in this course examine and evaluate the complexities of healthcare financing in the United States. Topics include multiple payment sources and reimbursement systems; problems and issues in financial planning; and trends in healthcare costs and expenditures. Students who receive credit for this course may not also receive credit for HCA340 or HSM342.

Course Credit Hours

4

Corequisites

None

Prerequisites

Complete all of the following

Complete at least 1 of the following

- ACCT207 Fundamentals of Accounting (4)
- ACCT212 Financial Accounting (4)
- HCA221 Healthcare Billing and Insurance Fundamentals (3)
- HIT235 Health Insurance Billing and Reimbursement (3)

AND

Complete at least 1 of the following

- HIM312 Introduction to Health Services Management (4)
- HSM310 Introduction to Health Services Management (4)
- HSM312 Introduction to Health Services Management (4)

HIM355 - Advanced Classification Systems and Management with Lab

Course Description

This course explores advanced classification systems, vocabularies and nomenclatures, focusing on their application and management in healthcare organizations. Topics include implementing, managing and quality monitoring of coding applications and processes, as well as electronic tools used for clinical classification and coding. The course also examines the role of clinical data in healthcare reimbursement systems and emphasizes compliance and reporting requirements.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- HCA221 Healthcare Billing and Insurance Fundamentals (3)
- HIT230 Health Insurance and Reimbursement (3)
- HIT235 Health Insurance Billing and Reimbursement (3)

HIM375 - Healthcare Data Security and Privacy

Course Description

This course builds on coursework in healthcare delivery systems and regulatory issues, introducing processes, procedures and equipment for data storage, retrieval and retention. Coursework addresses laws, rules and regulations governing access to confidential healthcare information, as well as managing access to, and disclosure of, health information. Coursework focuses on developing and implementing policies, procedures and processes to protect healthcare data security and patient privacy.

Course Credit Hours

4

Corequisites

None

Prerequisites

Complete at least 1 of the following

- HCA221 Healthcare Billing and Insurance Fundamentals (3)
- HIT230 Health Insurance and Reimbursement (3)
- HIT235 Health Insurance Billing and Reimbursement (3)
- HSM310 Introduction to Health Services Management (4)

HIM377 - Cybersecurity and Data Privacy in Healthcare

Course Description

This course explores foundational elements of data privacy and cybersecurity in healthcare, including the CIA triad (Confidentiality, Integrity and Availability), and their application in protecting health information. U.S. privacy requirements and regulations are examined, helping students gain experience in applying privacy laws to healthcare organizations and understand their impact. Coursework addresses identifying security issues, performing risk assessments, developing policies to safeguard data, and creating contingency plans for cyber incidents to effectively manage and respond to potential threats in healthcare settings. Students who receive credit for this course may not also receive credit for HIM378.

Course Credit Hours

4

Corequisites

None

Prerequisites

Complete at least 1 of the following

- HCA221 Healthcare Billing and Insurance Fundamentals (3)
- HIT230 Health Insurance and Reimbursement (3)
- HIT235 Health Insurance Billing and Reimbursement (3)
- HSM310 Introduction to Health Services Management (4)

HIM378 - Cybersecurity and Data Privacy in Healthcare

Course Description

This course explores foundational elements of data privacy and cybersecurity in healthcare, including the CIA triad (Confidentiality, Integrity and Availability), and their application in protecting health information. U.S. privacy requirements and regulations are examined, helping students gain experience in applying privacy laws to healthcare organizations and understand their impact. Coursework addresses identifying security issues, performing risk assessments, developing policies to safeguard data, and creating contingency plans for cyber incidents to effectively manage and respond to potential threats in healthcare settings. Students who receive credit for this course may not also receive credit for HIM377.

Course Credit Hours

4

Corequisites

None

Prerequisites

Complete at least 1 of the following

- HCA221 Healthcare Billing and Insurance Fundamentals (3)
- HIT230 Health Insurance and Reimbursement (3)
- HIT235 Health Insurance Billing and Reimbursement (3)
- HSM310 Introduction to Health Services Management (4)

HIM410 - Health Information Financial Management

Course Description

This course builds on coursework in healthcare reimbursement and delivery systems. Students examine reimbursement methodologies and payer payment systems across care settings, including Medicare and Medicaid prospective payment systems, and analyze the revenue cycle from patient access through claims adjudication, denials and cash posting. Clinical documentation integrity, revenue cycle compliance and the identification of billing irregularities, fraud and abuse are studied alongside the expanding role of the health information management professional and the application of AI tools across the revenue cycle.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete all of the following

- HIM342 Health Services Finance (4)

Complete at least 1 of the following

- HCA221 Healthcare Billing and Insurance Fundamentals (3)
- HIT230 Health Insurance and Reimbursement (3)
- HIT235 Health Insurance Billing and Reimbursement (3)
- HSM310 Introduction to Health Services Management (4)

HIM412 - Healthcare Policy

Course Description

This course focuses on the impact of public policy on healthcare delivery in the United States. Political, social, economic and technological influences are explored, as are cultural values and beliefs regarding health that contribute to U.S. policy-making process. Students who receive credit for this course may not also receive credit for HCA312 or HSM412.

Course Credit Hours

3

Corequisites

None

Prerequisites

None

HIM420 - Healthcare Total Quality Management

Course Description

This course addresses knowledge, skills, attitudes and values needed to coordinate quality and resource management programs. Quality planning, assurance and control are covered as parts of a total quality system, as are utilization review and risk management. Also covered are data collection and statistical analysis, as related to performance improvement; and practice-related ethical issues, especially as they relate to quality management in healthcare.

Course Credit Hours

4

Corequisites

None

Prerequisites

Complete at least 1 of the following

- HIT125 Electronic Health Records and Digital Health (3)
- HIT126 Electronic Health Records and Digital Health (3)
- HIT141 Health Information Processes with Lab (4)
- HSM310 Introduction to Health Services Management (4)

HIM435 - Management of Health Information Functions and Services

Course Description

This course builds on coursework in health data sources, healthcare delivery systems, and structure and content of the health record. Coursework focuses on principles applied to health information management functions; health data development; and organization, availability and analysis of health information for quality of care and regulatory compliance. Also examined is operation of health information management services to meet the needs of internal healthcare organization information users as well as external users. Health information management staffing and project management are addressed.

Course Credit Hours

4

Corequisites

None

Prerequisites

Complete at least 1 of the following

- HCA221 Healthcare Billing and Insurance Fundamentals (3)
- HIT230 Health Insurance and Reimbursement (3)
- HIT235 Health Insurance Billing and Reimbursement (3)

HIM450 - Health Information Management Mastery

Course Description

This course provides assessments designed to deepen students' understanding of competencies required to graduate from the Technical Management program with Health Information Management specialization and to demonstrate preparedness for industry. Students complete experiential learning assessments related to each competency in the course, helping prepare them to perform, independently, industry-standard tasks at the professional level. Mastery of each competency is required to pass the course.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete all of the following

Complete at least 1 of the following

- HIT125 Electronic Health Records and Digital Health (3)
- HIT126 Electronic Health Records and Digital Health (3)

Complete at least 1 of the following

- HIT220 Legal and Regulatory Issues in Health Information (2)
- HIT223 Medical Ethics, Compliance and Patient Privacy (3)
- HIT224 Medical Ethics, Compliance and Patient Privacy (3)

Complete at least 1 of the following

- HCA221 Healthcare Billing and Insurance Fundamentals (3)
- HIT230 Health Insurance and Reimbursement (3)
- HIT235 Health Insurance Billing and Reimbursement (3)

HIM455 - Managed Care and Community Health

Course Description

This course surveys development of health insurance products and managed care approaches to financing and delivering healthcare services in the United States. Fundamental concepts of insurance risk management and various types of managed care organizations are discussed in relation to the consumer, provider and insurer. Students who receive credit for this course may not also receive credit for HCA450.

Course Credit Hours

4

Corequisites

None

Prerequisites

None

HIM460 - Health Information Management Practicum

Course Description

This course emphasizes managerial aspects of health information management and provides students with practical experience in a health information department or health-related organization. Students apply concepts and skills learned in areas such as department organization and personnel management, financial management, quality and performance improvement, interdepartmental relations, information systems applications, and data security and privacy. Students prepare a written report and present a summary of their practical learning experience. To prepare for the Registered Health Information Administrator (RHIA) certification exam, students complete weekly domain exams and a final RHIA mock exam.

Course Credit Hours

3

Corequisites

None

Prerequisites

Completion of, or current enrollment in, all remaining courses required for the Health Information Management specialty within the Technical Management bachelor’s degree program and permission from the appropriate academic administrator

HIM462 - Health Information Research

Course Description

This course provides a hands-on approach to research principles in the healthcare field, focusing on design and administrative aspects of research studies and clinical trials. Students explore advanced research methodologies, protocols, regulatory requirements and ethical considerations, while also considering institutional review board processes. Additionally, students present their research design and mock results to healthcare stakeholders.

Course Credit Hours

2

Corequisites

None

Prerequisites

- HIM410 Health Information Financial Management (3)

HIM463 - Health Information Practicum with Exam Preparation

Course Description

In this transition-to-practice course, students complete case studies, simulations and small projects reflecting industry practices. They also complete supervised experiential learning (SEL) major assignments, and at least 40 hours of SEL at a healthcare-related or other approved site, or virtually, under the guidance of an approved mentor. Coursework also helps prepare students to sit for the national Registered Health Information Administrator (RHIA) certification exam. The minimum requirement to pass this course is 70 percent. DeVry pays the RHIA exam fee one time for students who pass this course with an 85 percent or better.

Course Credit Hours

4

Corequisites

None

Prerequisites

Completion of, or current enrollment in, all remaining courses required for the Health Information Management specialty within the Technical Management bachelor’s degree program, and permission from the appropriate academic administrator

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Health Information Technology

HIT101 - Professional Skills for Healthcare

Course Description

This course focuses on identifying, developing and applying skills needed for both academic and professional success. Topics include time management, study skills, goal setting, motivation, critical thinking, decision-making and problem-solving skills. Students explore interpersonal communication issues in the healthcare environment, including communication challenges, adapting to change and effective customer service. Coursework provides an opportunity for students to gain practical experience in written and oral communication, and in perception. Listening and nonverbal strategies are explored as well. Students who receive credit for this course may not also receive credit for HIT102.

Course Credit Hours

3

Corequisites

None

Prerequisites

None

HIT102 - Professional Skills for Healthcare

Course Description

This course focuses on identifying, developing and applying skills needed for both academic and professional success. Topics include time management, study skills, goal setting, motivation, critical thinking, decision-making and problem-solving skills. Students explore interpersonal communication issues in the healthcare environment, including communication challenges, adapting to change and effective customer service. Coursework provides an opportunity for students to gain practical experience in written and oral communication, and in perception. Listening and nonverbal strategies are explored as well. Students who receive credit for this course may not also receive credit for HIT101.

Course Credit Hours

3

Corequisites

None

Prerequisites

None

HIT111 - Basic Medical Terminology

Course Description

This course introduces elements of medical terminology such as foundations of words used to describe the human body and its conditions, terminology for medical procedures, and names of commonly prescribed medications. Spelling, pronunciation and meanings of terms used in a professional healthcare setting are covered, as is recognition of common abbreviations. Students who receive credit for this course may not also receive credit for HIT112.

Course Credit Hours

3

Corequisites

None

Prerequisites

None

HIT112 - Basic Medical Terminology

Course Description

This course introduces elements of medical terminology, such as foundations of words used to describe the human body and its conditions, terminology for medical procedures and names of commonly prescribed medications. Spelling, pronunciation and meanings of terms used in a professional healthcare setting are covered, as is recognition of common abbreviations. Students who receive credit for this course may not also receive credit for HIT111.

Course Credit Hours

3

Corequisites

None

Prerequisites

None

HIT120 - Introduction to Health Services and Information Systems

Course Description

This course covers history, organization and current issues in the U.S. healthcare delivery system. Interrelationships among system components and care providers are explored. Licensing, accrediting and regulatory compliance activities are discussed, as are the importance of financial and quality management, safety and security, and the role of health information professionals. The evolution, major application types and emerging trends in health information systems are explored.

Course Credit Hours

4

Corequisites

None

Prerequisites

None

HIT125 - Electronic Health Records and Digital Health

Course Description

This course provides an overview of the health information profession and associated functions. Concepts of digital health, health technologies and health information systems within a healthcare organization are explored. Policies, regulations and standards related to managing health information are also addressed. Students who receive credit for this course may not also receive credit for HIT126.

Course Credit Hours

3

Corequisites

None

Prerequisites

None

HIT126 - Electronic Health Records and Digital Health

Course Description

This course provides an overview of the health information profession and associated functions. Concepts of digital health, health technologies and health information systems within a healthcare organization are explored. Policies, regulations and standards related to managing health information are also addressed. Students who receive credit for this course may not also receive credit for HIT125.

Course Credit Hours

3

Corequisites

None

Prerequisites

None

HIT141 - Health Information Processes with Lab

Course Description

This course introduces health information functions such as content and format of records; retention and storage requirements; indexes and registries; and forms design. Relationships among departments and clinical providers within a healthcare system are explored, and management concepts are introduced. Hardware, software and communication technology are used to complete health information processes. Fundamentals of database management are applied to health information examples. Practice exercises support learning.

Course Credit Hours

4

Corequisites

None

Prerequisites

- HIT120 Introduction to Health Services and Information Systems (4)

HIT170 - Health Information Fundamentals Practicum

Course Description

This course provides a virtual professional practice experience. Practicum competencies reinforce previous coursework and include knowledge of and skills in health record content, structure, functions, and use. Course objectives for students whose practical experience occurs virtually are accomplished through online activities, simulations, and assignments. All students prepare a written report and present a verbal summary of their practical experience.

Course Credit Hours

2

Corequisites

None

Prerequisites

- HIT111 Basic Medical Terminology (3)
- HIT141 Health Information Processes with Lab (4)

HIT175 - Health Information Technology Application

Course Description

In the context of quality assessment, students explore use of information technologies for data search and access. Principles of clinical quality, utilization review and risk management are introduced, as are organizational approaches, and regulatory and accreditation implications of quality assessment activities. Methods, tools and procedures for analyzing data for variations and deficiencies are examined and used. In addition, research techniques and statistical methods are applied to transform data into effective information displays and reports to support a quality improvement program. Case studies and projects reinforce learning.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete 1 of the following

- HIT111 Basic Medical Terminology (3)
- HIT125 Electronic Health Records and Digital Health (3)

OR

- HIT112 Basic Medical Terminology (3)
- HIT126 Electronic Health Records and Digital Health (3)

HIT203 - International Classification of Diseases Coding I with Lab

Course Description

This course, the first in a two-course sequence, addresses principals, guidelines, definitions and coding conventions of the International Classification of Diseases, 10th Revision, Procedure Coding System (ICD-10-PCS). Coursework is designed to help students gain experience needed to accurately dissect operative reports and build codes in ICD-10-PCS. Also examined are anatomy and code structure for each of the body systems and related sections of ICD-10-PCS; health records; manual and computerized coding methods; and coding references.

Course Credit Hours

3

Corequisites

None

Prerequisites

- BIOS268 Pathopharmacology (3)

HIT205 - International Classification of Diseases Coding II with Lab

Course Description

This course, the second in a two-course sequence, introduces clinical vocabularies and classification systems. Principles and guidelines for using the ICD-10-Clinical Modification (ICD-10-CM) system to code diagnoses are introduced. Patient records and exercises using coding manuals and software tools provide further practice in coding and sequencing diagnoses and procedures. Coding ethics, data quality and application of coding principles to electronic record systems are explored.

Course Credit Hours

3

Corequisites

None

Prerequisites

- HIT203 International Classification of Diseases Coding I with Lab (3)

HIT206 - CPT Coding with Application

Course Description

This course introduces students to the principles of Current Procedural Terminology (CPT), which is used to code procedures and services performed by healthcare providers. Through practice exercises, students assign appropriate CPT codes and applicable modifiers as needed. Students who receive credit for this course may not also receive credit for HIT207.

Course Credit Hours

3

Corequisites

None

Prerequisites

- HIT214 ICD-10-CM with Application (3)

HIT207 - CPT Coding with Application

Course Description

This course introduces students to the principles of Current Procedural Terminology (CPT), which is used to code procedures and services performed by healthcare providers. Through practice exercises, students assign appropriate CPT codes and applicable modifiers as needed. Students who receive credit for this course may not also receive credit for HIT206.

Course Credit Hours

3

Corequisites

None

Prerequisites

- HIT221 ICD-10-CM with Application (3)

HIT211 - Current Procedural Terminology Coding with Lab

Course Description

Knowledge of clinical classification systems is expanded through presentation of principles of Current Procedural Terminology (CPT-4 or most current version), used to code procedures performed by healthcare providers. Through practice exercises, students assign procedure codes and apply guidelines for assignment of Evaluation and Management (E/M) codes and modifiers to case examples. The purpose and use of the Healthcare Common Procedure Coding System (HCPCS) are reviewed. Application of coding principles to an electronic record system is explored.

Course Credit Hours

4

Corequisites

None

Prerequisites

- HIT203 International Classification of Diseases Coding I with Lab (3)

HIT213 - Current Procedure Terminology Coding II with Lab

Course Description

This course explores advanced coding techniques and guidelines from the Current Procedural Terminology code set and the International Classification of Diseases. Students code complex case studies and medical reports by utilizing manuals and software tools. Coding theory is used to examine principles and application of coding systems.

Course Credit Hours

3

Corequisites

None

Prerequisites

- HIT205 International Classification of Diseases Coding II with Lab (3)
- HIT211 Current Procedural Terminology Coding with Lab (4)

HIT214 - ICD-10-CM with Application

Course Description

This course introduces the International Classification of Diseases, 10th Revision, Clinical Modification (ICD-10-CM) classification system. Principles and guidelines for using the ICD-10-CM to assign diagnosis codes are introduced. Emphasis is placed on students properly navigating the ICD-10-CM code book and following the correct steps to assign accurate diagnosis codes utilizing medical documentation. Students who receive credit for this course may not also receive credit for HIT221.

Course Credit Hours

3

Corequisites

None

Prerequisites

- BIOS105 Fundamentals of Human Anatomy and Physiology (4)
- HIT111 Basic Medical Terminology (3)

HIT215 - ICD-10-PCS with Application

Course Description

This course, the second in a two-course sequence, addresses principles, guidelines, definitions and coding conventions of the International Classification of Diseases, 10th Revision, Procedure Coding System (ICD-10-PCS). Coursework is designed to help students gain experience needed to accurately decipher operative statements and build codes in ICD-10-PCS. Students who receive credit for this course may not also receive credit for HIT228.

Course Credit Hours

3

Corequisites

None

Prerequisites

- HIT214 ICD-10-CM with Application (3)

HIT216 - Coding with Application

Course Description

This course explores coding application techniques and guidelines in the outpatient setting using the Current Procedural Terminology (CPT); Healthcare Common Procedure Coding System (HCPCS); and International Classification of Diseases, 10th Revision, Clinical Modification (ICD-10-CM) code sets. Students also use coding theory to examine principles and application of coding systems. Using code books and software tools, students code outpatient case studies and medical reports.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- HIT214 ICD-10-CM with Application (3)
- HIT221 ICD-10-CM with Application (3)

HIT217 - Advanced Coding

Course Description

This course explores advanced coding techniques and guidelines from the Current Procedural Terminology (CPT); International Classification of Diseases, 10th Revision, Clinical Modification (ICD-10-CM); and the International Classification of Diseases, 10th Revision, Procedure Coding System (ICD-10-PCS) code sets. Using code books and software tools, students code complex case studies and medical documentation.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- HIT215 ICD-10-PCS with Application (3)
- HIT228 ICD-10-PCS with Application (3)

HIT218 - Advanced Medical Coding with AI Resources

Course Description

This course explores coding application techniques and guidelines in outpatient settings using Current Procedural Terminology (CPT); Healthcare Common Procedure Coding System (HCPCS); and International Classification of Diseases, 10th Revision, Clinical Modification (ICD-10-CM) code sets. Students also use coding theory to examine principles and application of coding systems. Using code books and AI-enhanced software tools, students code outpatient case studies and medical reports.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- HIT206 CPT Coding with Application (3)
- HIT214 ICD-10-CM with Application (3)
- HIT221 ICD-10-CM with Application (3)

HIT219 - Hospital Medical Coding with AI Resources

Course Description

This course explores advanced coding techniques and guidelines from the Current Procedural Terminology (CPT); International Classification of Diseases, 10th Revision, Clinical Modification (ICD-10-CM); and International Classification of Diseases, 10th Revision, Procedure Coding System (ICD-10-PCS) code sets. Using code books and AI-enhanced software tools, students code complex case studies and medical documentation.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- HIT215 ICD-10-PCS with Application (3)
- HIT228 ICD-10-PCS with Application (3)

HIT220 - Legal and Regulatory Issues in Health Information

Course Description

Legal and regulatory issues in healthcare are pursued, with emphasis on their application to healthcare information services and documentation of care. Students explore the rights and responsibilities of providers, employees, payers and patients in a healthcare context. Legal terminology pertaining to civil liability and the judicial and legislative processes is covered. Laws and regulations addressing release of information and retention of records are examined, as are the legal and regulatory issues surrounding confidentiality of information.

Course Credit Hours

2

Corequisites

None

Prerequisites

- HIT120 Introduction to Health Services and Information Systems (4)

HIT221 - ICD-10-CM with Application

Course Description

This course introduces the International Classification of Diseases, 10th Revision, Clinical Modification (ICD-10-CM) classification system. Principles and guidelines for using the ICD-10-CM to assign diagnosis codes are introduced. Emphasis is placed on students properly navigating the ICD-10-CM code book and following the correct steps to assign accurate diagnosis codes utilizing medical documentation. Students who receive credit for this course may not also receive credit for HIT214.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete 1 of the following

- BIOS105 Fundamentals of Human Anatomy and Physiology (4)
- HIT111 Basic Medical Terminology (3)

OR

- BIOS106 Fundamentals of Human Anatomy and Physiology (4)
- HIT112 Basic Medical Terminology (3)

OR

- BIOS107 Fundamentals of Human Anatomy and Physiology (3)
- HIT112 Basic Medical Terminology (3)

HIT223 - Medical Ethics, Compliance and Patient Privacy

Course Description

This course examines legal and regulatory issues in healthcare, emphasizing their application in ethical practices, compliance and patient privacy. Students explore rights and responsibilities of providers, employees, payers and patients in a healthcare context. Legal terminology pertaining to civil liability, and to the judicial and legislative processes, are also explored. Laws and regulations addressing information release and records retention are examined, as are legal and regulatory issues surrounding information confidentiality. Students who receive credit for this course may not also receive credit for HIT224.

Course Credit Hours

3

Corequisites

None

Prerequisites

- HIT125 Electronic Health Records and Digital Health (3)

HIT224 - Medical Ethics, Compliance and Patient Privacy

Course Description

This course examines legal and regulatory issues in healthcare, emphasizing their application in ethical practices, compliance and patient privacy. Students explore rights and responsibilities of providers, employees, payers and patients in a healthcare context. Legal terminology pertaining to civil liability, and to the judicial and legislative processes, are also explored. Laws and regulations addressing information release and records retention are examined, as are legal and regulatory issues surrounding information confidentiality. Students who receive credit for this course may not also receive credit for HIT223.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- HIT125 Electronic Health Records and Digital Health (3)
- HIT126 Electronic Health Records and Digital Health (3)

HIT226 - Data Applications and Healthcare Quality with Lab

Course Description

In the context of quality assessment, students explore use of information technologies for data search and access. Principles of clinical quality, utilization review and risk management are introduced, as are organizational approaches, and regulatory and accreditation implications of quality assessment activities. Methods, tools and procedures for analyzing data for variations and deficiencies are examined and used. Research techniques and statistical methods are applied to transform data into effective informational displays and reports to support a quality improvement program. Case studies and projects reinforce learning.

Course Credit Hours

3

Corequisites

- HIT170 Health Information Fundamentals Practicum (2)

Prerequisites

- HIT141 Health Information Processes with Lab (4)

HIT227 - Healthcare Quality and Data Analytics

Course Description

This course explores using health information to determine quality of care through data analytics. Methods, tools, technologies and procedures for analyzing data, and for designing, generating and assessing reports, are examined through course projects. Students apply research techniques and statistics methods to transform data to support a quality improvement program. Risk management, as well as regulatory and accreditation implications of quality assessment, are investigated. Students who receive credit for this course may not also receive credit for HIT229.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- MATH221 Statistics for Decision-Making (4)
- MATH226 Statistics for Decision-Making (3)

HIT228 - ICD-10-PCS with Application

Course Description

This course, the second in a two-course sequence, addresses principles, guidelines, definitions and coding conventions of the International Classification of Diseases, 10th Revision, Procedure Coding System (ICD-10-PCS). Coursework is designed to help students gain experience needed to accurately decipher operative statements and build codes in ICD-10-PCS. Students who receive credit for this course may not also receive credit for HIT215.

Course Credit Hours

3

Corequisites

None

Prerequisites

- HIT207 CPT Coding with Application (3)

HIT229 - Healthcare Quality and Data Analytics

Course Description

This course explores using health information to determine quality of care through data analytics. Methods, tools, technologies and procedures for analyzing data, and for designing, generating and assessing reports, are examined through course projects. Students apply research techniques and statistics methods to transform data to support a quality improvement program. Risk management, as well as regulatory and accreditation implications of quality assessment, are investigated. Students who receive credit for this course may not also receive credit for HIT227.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- MATH221 Statistics for Decision-Making (4)
- MATH226 Statistics for Decision-Making (3)

HIT230 - Health Insurance and Reimbursement

Course Description

Students explore reimbursement and payment methodologies applicable to healthcare provided in various U.S. settings. Forms, processes, practices and the roles of health information professionals are examined. Concepts related to insurance products, third-party and prospective payment, and managed care organizations are explored. Issues of data exchange among patient, provider and insurer are analyzed in terms of organizational policy, regulatory issues and information technology operating systems. Chargemaster management and the importance of coding integrity are emphasized.

Course Credit Hours

3

Corequisites

- HIT203 International Classification of Diseases Coding I with Lab (3)

Prerequisites

- HIT141 Health Information Processes with Lab (4)

HIT235 - Health Insurance Billing and Reimbursement

Course Description

Students in this course explore reimbursement and payment methodologies applicable to healthcare provided in various U.S. settings. Forms, processes, practices and the roles of health information professionals are examined. Concepts related to insurance products, third-party and prospective payment, and managed care organizations are explored. Issues of data exchange among patient, provider and insurer are analyzed in terms of organizational policy, regulatory issues and information technology operating systems. Chargemaster management and the importance of coding integrity are emphasized.

Course Credit Hours

3

Corequisites

None

Prerequisites

- HIT125 Electronic Health Records and Digital Health (3)

HIT240 - Fundamentals of Artificial Intelligence in Healthcare

Course Description

This course introduces AI concepts and applications in healthcare settings. Coursework helps students build foundational knowledge of AI terminology, common AI healthcare platforms, regulatory considerations and ethical implications. Through simulated scenarios, students explore how AI tools support clinical and administrative workflows while developing critical awareness of AI limitations and biases.

Course Credit Hours

3

Corequisites

None

Prerequisites

None

HIT253 - Coding Practicum and Review

Course Description

This course is designed to prepare students for the Certified Coding Associate (CCA) certification exam, which determines aptitude in six competency domains: clinical classification systems, reimbursement methodologies, health records and data content, compliance, information technologies, and confidentiality and privacy. The minimum requirement to pass this course is 70 percent. DeVry pays the CCA exam fee one time for students who pass this course with an 85 percent or better. This course is graded on a Satisfactory/Unsatisfactory basis.

Course Credit Hours

3

Corequisites

- HIT230 Health Insurance and Reimbursement (3)

Prerequisites

- HIT205 International Classification of Diseases Coding II with Lab (3)
- HIT211 Current Procedural Terminology Coding with Lab (4)

HIT254 - Coding Practicum and Review

Course Description

This course is designed to prepare students for the Certified Professional Coding (CPC) certification exam offered through AAPC. The course reinforces aptitude in CPT, ICD-10-CM and HCPCS code sets, as well as record abstraction, medical terminology, anatomy and physiology, coding and regulatory requirements, to include compliance and reimbursement. Included is a minimum of 20 hours of virtual practical experience in medical coding for various patient types and outpatient encounters. The minimum requirement to pass this course is 70 percent. DeVry pays the CPC exam fee one time for students who pass this course with an 85 percent or better. This course is graded on a Satisfactory/Unsatisfactory basis.

Course Credit Hours

3

Corequisites

Complete 1 of the following

- HIT216 Coding with Application (3)

OR

- HIT218 Advanced Medical Coding with AI Resources (3)

Prerequisites

None

HIT255 - Health Information Technology Mastery

Course Description

This course provides assessments designed to deepen students' understanding of competencies required to graduate from the Health Information Technology associate degree program and to demonstrate preparedness for industry. Students complete experiential learning assessments related to each competency in the course, helping prepare them to perform, independently, industry-standard tasks at the professional level. Mastery of each competency is required to pass the course.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete 1 of the following

Complete at least 1 of the following

- HIT125 Electronic Health Records and Digital Health (3)
- HIT126 Electronic Health Records and Digital Health (3)

Complete at least 1 of the following

- HIT220 Legal and Regulatory Issues in Health Information (2)
- HIT223 Medical Ethics, Compliance and Patient Privacy (3)
- HIT224 Medical Ethics, Compliance and Patient Privacy (3)

Complete at least 1 of the following

- HIT230 Health Insurance and Reimbursement (3)
- HIT235 Health Insurance Billing and Reimbursement (3)

HIT260 - Coding Practicum with Lab

Course Description

This course is designed to provide students with hands-on experience with coding authentic patient records. Included is a minimum of 40 hours of practical experience in medical coding for a variety of patient types and encounters. Students have the opportunity to apply their knowledge and skills to complex case studies in a virtual setting.

Course Credit Hours

3

Corequisites

- HIT217 Advanced Coding (3)

OR pre-requisite HIT213

Prerequisites

Complete all of the following

- HIT213 Current Procedure Terminology Coding II with Lab (3)

OR co-requisite HIT217
AND
Complete at least 1 of the following

- HIT220 Legal and Regulatory Issues in Health Information (2)
- HIT223 Medical Ethics, Compliance and Patient Privacy (3)

AND
Complete at least 1 of the following

- HIT230 Health Insurance and Reimbursement (3)
- HIT235 Health Insurance Billing and Reimbursement (3)

HIT262 - CCS Review

Course Description

This course is designed to prepare students for the Certified Coding Specialist (CCS) certification exam, which determines aptitude in all current competency domains of the exam, as determined by the American Health Information Management Association (AHIMA). The minimum requirement to pass this course is 70 percent. DeVry pays the CCS exam fee one time for students who pass this course with an 85 percent or better. This course is graded on a Satisfactory/Unsatisfactory basis.

Course Credit Hours

3

Corequisites

- HIT260 Coding Practicum with Lab (3)

Prerequisites

None

HIT263 - Coding Practicum and CCS Review

Course Description

This course helps prepare students for the Certified Coding Specialist (CCS) certification exam offered through AHIMA. The course reinforces coding knowledge and skills, coding documentation, provider queries and regulatory compliance assessed on the CCS certification exam. Students practice analyzing and coding medical scenarios. Included is a minimum of 20 hours of virtual practical experience in medical coding for various patient types and encounters, helping students apply their knowledge and skills to complex case studies in a virtual setting. The minimum requirement to pass this course is 70 percent. DeVry pays the CCS exam fee one time for students who pass this course with an 85 percent or better. This course is graded on a Satisfactory/Unsatisfactory basis.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete all of the following

Permission from the appropriate academic administrator
Enrollment in

- Medical Billing & Coding – Health Information Coding Certificate Program

Completion of, or concurrent enrollment in, all remaining courses within the Medical Billing & Coding – Health Information Coding certificate program.

HIT264 - CCS Review

Course Description

This course helps prepare students for the Certified Coding Specialist (CCS) certification exam offered through AHIMA. The course reinforces coding knowledge and skills, coding documentation, provider queries and regulatory compliance assessed on the CCS certification exam. Students practice analyzing and coding medical scenarios. The minimum requirement to pass this course is 70 percent. DeVry pays the CCS exam fee one time for students who pass this course with an 85 percent or better. This course is graded on a Satisfactory/Unsatisfactory basis.

Course Credit Hours

3

Corequisites

None

Prerequisites

- HIT260 Coding Practicum with Lab (3)

HIT267 - Healthcare Analytics and Practical Applications

Course Description

This course introduces advanced analytics and the health informatics field. Coursework addresses conducting clinical and operational analyses to improve patient outcomes and decision-making. Students apply statistical techniques and interpret data analyses to make data-driven decisions. Artificial intelligence, big data, population health management and outcomes research are also introduced.

Course Credit Hours

3

Corequisites

None

Prerequisites

- HIT227 Healthcare Quality and Data Analytics (3)

HIT272 - Health Information Practicum Capstone

Course Description

This course provides further supervised practice experience in a health information setting at an approved external site. A minimum of 80 clock hours is required at a site, generally completed during traditional business hours. Skills in areas such as data abstraction and analysis are practiced, and knowledge of record retention and release of information is applied. Application of coding skills, and observation of supervisory and planning activities, are documented. Students prepare a written report and present a summary of their practical learning experience in class.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete all of the following

Permission from the appropriate academic administrator
Upon completion of, or concurrent enrollment in, all remaining HIT courses in the program, except HIT274 - RHIT Certification Exam Preparation

HIT273 - Cybersecurity and Data Privacy in Healthcare

Course Description

This course introduces data privacy and cybersecurity fundamentals in healthcare, including the CIA triad (Confidentiality, Integrity and Availability) and its application to protect health information. Students examine HIPAA requirements and apply privacy regulations to common healthcare scenarios. Coursework addresses identifying security issues, recognizing risk factors, and interpreting policies that safeguard patient data.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- HCA220 Healthcare Billing and Insurance Fundamentals (3)
- HCA221 Healthcare Billing and Insurance Fundamentals (3)
- HIT235 Health Insurance Billing and Reimbursement (3)

HIT274 - RHIT Certification Exam Preparation

Course Description

This course is designed to prepare students for the Registered Health Information Technician (RHIT) certification exam, which determines aptitude in six competency domains: data content, structure and information governance; access, disclosure, privacy and security; compliance; data analytics and use; revenue management; compliance; and leadership. Students complete weekly domain exams and a final RHIT mock exam. The minimum requirement to pass this course is 70 percent. DeVry pays the RHIT exam fee one time for students who pass this course with an 85 percent or better. This course is graded on a Satisfactory/Unsatisfactory basis.

Course Credit Hours

1

Corequisites

None

Prerequisites

- HIT226 Data Applications and Healthcare Quality with Lab (3)
- HIT230 Health Insurance and Reimbursement (3)

HIT277 - Health Information Practicum Capstone

Course Description

This course provides comprehensive supervised experiential learning (SEL) in a health information setting at an approved external site. The course and SEL are designed to enhance students' skills in areas such as data abstraction and analysis; record retention and release of information; data collection and interpretation; privacy and security; revenue cycle management; and advanced coding. Technology use, oral and written communication skills, critical thinking, professional development and leadership activities are emphasized. Note: Students must complete a minimum of 40 clock hours of SEL during traditional business hours.

Course Credit Hours

3

Corequisites

- HIT279 RHIT Exam Preparation (1)

Prerequisites

Complete all of the following

Permission from the appropriate academic administrator
Enrollment in

- Health Information Technology Associate Degree Program

Completion of, or concurrent enrollment in, all remaining courses within the Health Information track of the Health Information Technology associate degree program, except HIT279 - RHIT Exam Preparation.

HIT278 - Career Success in Healthcare

Course Description

Building on self-presentation and career-planning skills introduced earlier, students explore ongoing career development strategies. Through research, analysis and discussion of case studies; videos; role-plays; and contemporary healthcare literature, students identify principles and practices associated with professionalism in today's careers. Coursework is designed to help students identify potential career paths that suit personal strengths and aspirations, and gain greater awareness of themselves as communicators, problem-solvers and team players.

Course Credit Hours

3

Corequisites

None

Prerequisites

Successful completion of 48 semester-credit hours

HIT279 - RHIT Exam Preparation

Course Description

This course is designed to prepare students for the Registered Health Information Technician (RHIT) certification exam, which assesses aptitude in six competency domains: data content, structure and information governance; access, disclosure, privacy and security; data analytics and use; revenue cycle management; compliance; and leadership. Students complete weekly domain exams and a final RHIT mock exam. The minimum requirement to pass this course is 70 percent. DeVry pays the RHIT exam fee one time for students who pass this course with an 85 percent or better. This course is graded on a Satisfactory/Unsatisfactory basis.

Course Credit Hours

1

Corequisites

- HIT277 Health Information Practicum Capstone (3)

Prerequisites

Complete at least 1 of the following

- HCA221 Healthcare Billing and Insurance Fundamentals (3)
- HIT235 Health Insurance Billing and Reimbursement (3)

HIT280 - Health Information Practicum and RHIT Exam Preparation

Course Description

In this transition-to-practice course, students complete case studies, simulations and small projects reflecting industry practices. They also complete supervised experiential learning (SEL) major assignments, and at least 40 hours of SEL at a healthcare-related or other approved site. Coursework also helps prepare students to sit for the national Registered Health Information Technician (RHIT) certification exam. The minimum requirement to pass this course is 70 percent. DeVry pays the RHIT exam fee one time for students who pass this course with an 85 percent or better.

Course Credit Hours

4

Corequisites

None

Prerequisites

Complete all of the following

Permission from the appropriate academic administrator
Enrollment in

- Health Information Technology Associate Degree Program

Completion of, or concurrent enrollment in, all remaining courses within the Health Information track of the Health Information Technology associate degree program

HIT290 - Healthcare Analytics Capstone

Course Description

This course integrates concepts of AI, business analytics and healthcare data applications covered throughout the Health Information Technology associate degree program. Topics include applying AI tools to healthcare quality improvement, ethical decision-making in analytics implementation and industry-specific data analysis methods. Students complete a capstone project demonstrating application of analytics techniques to address a healthcare operational or quality challenge.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete all of the following

Completion of all, or current enrollment in all remaining, courses required for the Health Information Technology associate degree program
AND
Permission from the appropriate academic administrator

HIT291 - Healthcare Services Capstone

Course Description

This course integrates concepts of medical office administration, revenue cycle management and health systems interoperability covered throughout the Health Information Technology associate degree program. Topics include coordinating patient services across healthcare delivery settings; optimizing administrative workflows; and applying regulatory and financial principles to healthcare operations. Students complete a capstone project demonstrating integration of healthcare services concepts to improve efficiency, compliance or patient experience within a healthcare organization.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete all of the following

Completion of all, or current enrollment in all remaining, courses required for the Health Information Technology associate degree program
AND
Permission from the appropriate academic administrator

HIT292 - Healthcare Cybersecurity Capstone

Course Description

This course integrates concepts of technology foundations, artificial intelligence and cybersecurity principles covered throughout the Health Information Technology associate degree program. Topics include identifying vulnerabilities in healthcare information systems, applying security protocols to protect patient data and evaluating technology solutions within healthcare environments. Students complete a capstone project demonstrating application of cybersecurity practices to address a data privacy, system security or technology implementation challenge in a healthcare setting.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete all of the following

Completion of all, or current enrollment in all remaining, courses required for the Health Information Technology associate degree program
AND
Permission from the appropriate academic administrator

Health Services Management

HSM210 - Medical Office Administration

Course Description

This course introduces students to the scope and practice of medical office operations in a digital healthcare setting, including appointment scheduling; customer assessment and intake questionnaires; telemedicine; and revenue cycle management. General internet security, and computer operations and software applications used in an office environment, are also introduced in preparation for a career in healthcare.

Course Credit Hours

4

Corequisites

None

Prerequisites

- HIT125 Electronic Health Records and Digital Health (3)

HSM310 - Introduction to Health Services Management

Course Description

This course provides an overview of unique characteristics of U.S. healthcare systems, and surveys the major components and their interrelationships. Topics include internal and external influences on delivery of services, healthcare professions and key trends. Students who receive credit for this course may not also receive credit for HSM312.

Course Credit Hours

4

Corequisites

None

Prerequisites

Complete at least 1 of the following

- BUSN115 Introduction to Business and Technology (3)
- HSM210 Medical Office Administration (4)

HSM312 - Introduction to Health Services Management

Course Description

This course provides an overview of unique characteristics of U.S. healthcare systems, and surveys the major components and their interrelationships. Topics include internal and external influences on delivery of services, healthcare professions and key trends. Students who receive credit for this course may not also receive credit for HSM310.

Course Credit Hours

4

Corequisites

None

Prerequisites

Complete at least 1 of the following

- BUSN115 Introduction to Business and Technology (3)
- HSM210 Medical Office Administration (4)

HSM320 - Health Rights and Responsibilities

Course Description

This course examines legal and ethics issues in delivering medical services. Topics include legal relationships among providers, payers and patients. Also addressed are clinical and administrative issues of professional liability, which include public health responsibilities; medical records management; and HIPAA privacy, security and fraud. Ethics aspects of patient rights and duties are explored in a healthcare service delivery context.

Course Credit Hours

4

Corequisites

None

Prerequisites

- HSM310 Introduction to Health Services Management (4)

HSM330 - Health Services Information Systems

Course Description

This course concentrates on the evolving field of health service information systems technology. Artificial Intelligence, blockchain, cybersecurity, cloud computing, and HIT are introduced in the context of health information. The course introduces students to the hardware and software options for managing patient data and health records, as well as the strategic benefits of evidence-based management and decision support.

Course Credit Hours

4

Corequisites

None

Prerequisites

Complete 1 of the following

Option 1
Complete all of the following

- HSM310 Introduction to Health Services Management (4)

Complete at least 1 of the following

- COMP100 Computer Applications for Business with Lab (2)
- COMP121 Computer Applications with AI for Business (2)

OR
Option 2
Complete at least 1 of the following

- HIT223 Medical Ethics, Compliance and Patient Privacy (3)
- HSM210 Medical Office Administration (4)

HSM340 - Health Services Finance

Course Description

This course focuses on the complexities of healthcare financing in the United States. Topics include multiple payment sources and reimbursement systems; problems and issues in financial planning; and trends in healthcare costs and expenditures. Students who receive credit for this course may not also receive credit for HSM342.

Course Credit Hours

4

Corequisites

None

Prerequisites

Complete all of the following

Complete at least 1 of the following

- ACCT207 Fundamentals of Accounting (4)
- ACCT212 Financial Accounting (4)
- HCA221 Healthcare Billing and Insurance Fundamentals (3)
- HIT235 Health Insurance Billing and Reimbursement (3)

AND

Complete at least 1 of the following

- HSM310 Introduction to Health Services Management (4)
- HSM312 Introduction to Health Services Management (4)

HSM342 - Health Services Finance

Course Description

This course focuses on the complexities of healthcare financing in the United States. Topics include multiple payment sources and reimbursement systems; problems and issues in financial planning; and trends in healthcare costs and expenditures. Students who receive credit for this course may not also receive credit for HSM340.

Course Credit Hours

4

Corequisites

None

Prerequisites

Complete at least 1 of the following

- HCA221 Healthcare Billing and Insurance Fundamentals (3)
- HSM210 Medical Office Administration (4)
- HSM310 Introduction to Health Services Management (4)
- HSM312 Introduction to Health Services Management (4)

HSM410 - Healthcare Policy

Course Description

This course focuses on the impact of public policy on healthcare delivery in the United States. Political, social, economic and technological influences are explored, as are cultural values and beliefs regarding health that underlie our policy-making process. Students who receive credit for this course may not also receive credit for HSM412.

Course Credit Hours

4

Corequisites

None

Prerequisites

- HSM310 Introduction to Health Services Management (4)

HSM412 - Healthcare Policy

Course Description

This course focuses on the impact of public policy on healthcare delivery in the United States. Political, social, economic and technological influences are explored, as are cultural values and beliefs regarding health that underlie our policy-making process. Students who receive credit for this course may not also receive credit for HSM410.

Course Credit Hours

4

Corequisites

None

Prerequisites

None

HSM420 - Managed Care and Health Insurance

Course Description

This course surveys the development of health insurance products and managed care approaches to the financing and delivery of healthcare services in the United States. Fundamental concepts of insurance risk management and various types of managed care organizations are discussed in relation to the consumer, provider and insurer.

Course Credit Hours

4

Corequisites

None

Prerequisites

Complete at least 1 of the following

- HIT125 Electronic Health Records and Digital Health (3)
- HIT141 Health Information Processes with Lab (4)
- HSM310 Introduction to Health Services Management (4)

HSM430 - Planning and Marketing for Health Services Organizations

Course Description

This course presents a framework for planning and implementing marketing initiatives for health services. Topics include market segmentation, targeting, positioning and communication, as well as ethical issues and examples unique to the healthcare industry.

Course Credit Hours

4

Corequisites

None

Prerequisites

- HSM310 Introduction to Health Services Management (4)

Healthcare Administration

HCA210 - Medical Office Administration

Course Description

This course introduces the scope and practice of medical office operations in a digital healthcare setting, including appointment scheduling; customer assessment and intake questionnaires; telemedicine; and revenue cycle management. General internet security, and computer operations and software applications used in an office environment, are also introduced in preparation for a career in healthcare.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- HIT125 Electronic Health Records and Digital Health (3)
- HIT126 Electronic Health Records and Digital Health (3)

HCA220 - Healthcare Billing and Insurance Fundamentals

Course Description

Through practice exercises and case studies, students analyze and apply healthcare insurance principles and billing processes. They also examine insurance types, coverage structures and patient financial responsibilities, working hands-on to develop skills in charge capture and claim development. Coursework also covers medical coding fundamentals, insurance verification procedures and benefits interpretation. Students evaluate the connection between clinical documentation and reimbursement to build competency for specialized healthcare finance positions.

Course Credit Hours

3

Corequisites

None

Prerequisites

None

HCA221 - Healthcare Billing and Insurance Fundamentals

Course Description

Through practice exercises and case studies, students analyze and apply healthcare insurance principles and billing processes. They also examine insurance types, coverage structures and patient financial responsibilities, working hands-on to develop skills in charge capture and claim development. Coursework also covers medical coding fundamentals, insurance verification procedures and benefits interpretation. Students evaluate the connection between clinical documentation and reimbursement to build competency for specialized healthcare finance positions.

Course Credit Hours

3

Corequisites

None

Prerequisites

None

HCA236 - Revenue Cycle Management

Course Description

Building on prior coursework, students analyze and apply complex billing operations across Medicare, Medicaid and commercial payer systems. Through supervised practical exercises, students examine regulatory compliance requirements, fraud prevention protocols and advanced coding applications. The course emphasizes hands-on experience with claims processing, denial management and professional collection practices. Learners synthesize payer contract terms and evaluate revenue optimization strategies to prepare for leadership responsibilities in revenue cycle operations.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- HCA220 Healthcare Billing and Insurance Fundamentals (3)
- HCA221 Healthcare Billing and Insurance Fundamentals (3)
- HIT235 Health Insurance Billing and Reimbursement (3)

HCA240 - Fundamentals of Artificial Intelligence in Healthcare

Course Description

This course introduces AI concepts and applications in healthcare settings. Coursework helps students build foundational knowledge of AI terminology, common AI healthcare platforms, regulatory considerations and ethical implications. Through simulated scenarios, students explore how AI tools support clinical and administrative workflows while developing critical awareness of AI limitations and biases.

Course Credit Hours

3

Corequisites

None

Prerequisites

None

HCA310 - Health Systems and Interoperability

Course Description

This course explores the evolving field of health service information systems technology. AI, blockchain, cybersecurity, cloud computing and health information technology are introduced in the context of health information. Students evaluate hardware and software options for managing patient data and health records, as well as strategic benefits of evidence-based management and decision support. Students who receive credit for this course may not also receive credit for HSM310 or HIM310.

Course Credit Hours

3

Corequisites

None

Prerequisites

None

HCA312 - Healthcare Compliance and Policy

Course Description

Students in this course examine and evaluate the impact of public policy on healthcare delivery in the United States. Political, social, economic and technological influences are explored, as are cultural values and beliefs regarding health that contribute to the U.S. policy-making process. Students who receive credit for this course may not also receive credit for HSM412.

Course Credit Hours

3

Corequisites

None

Prerequisites

None

HCA340 - Health Services Finance

Course Description

Students in this course examine and evaluate the complexities of healthcare financing in the United States. Topics include multiple payment sources and reimbursement systems; problems and issues in financial planning; and trends in healthcare costs and expenditures. Students who receive credit for this course may not also receive credit for HSM342 or HIM342.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete all of the following

Complete at least 1 of the following

- ACCT207 Fundamentals of Accounting (4)
- ACCT212 Financial Accounting (4)
- HCA220 Healthcare Billing and Insurance Fundamentals (3)
- HCA221 Healthcare Billing and Insurance Fundamentals (3)
- HIT235 Health Insurance Billing and Reimbursement (3)

AND

Complete at least 1 of the following

- HCA310 Health Systems and Interoperability (3)
- HSM310 Introduction to Health Services Management (4)
- HSM312 Introduction to Health Services Management (4)

HCA350 - Registration Organization and Operations

Course Description

This course examines the structure and operations of cancer registries, including distinctions between hospital- and population-based registries. Topics include case identification and abstraction processes; coding standards and quality data collection; lifetime follow-up procedures; and registry management. Also addressed are the roles of standard-setting organizations such as the American College of Surgeons Commission on Cancer; legal and ethics considerations in cancer data privacy; cancer committee functions and conference requirements; and application of cancer data for prevention, surveillance and quality monitoring. Students apply statistical and epidemiological methods to analyze registry data.

Course Credit Hours

3

Corequisites

None

Prerequisites

None

HCA380 - AI Applications for Healthcare

Course Description

This course builds on foundational AI knowledge to help students develop skills in applying AI tools within healthcare workflows. Through practical application, students evaluate AI outputs for quality and appropriateness, design effective prompts for healthcare-specific tasks, troubleshoot implementation challenges and create governance documentation. Hands-on projects and cross-functional collaboration exercises help students prepare to serve as AI resource specialists in healthcare organizations.

Course Credit Hours

3

Corequisites

None

Prerequisites

None

HCA415 - Healthcare Law and Ethics

Course Description

This course examines complex legal and ethics issues in delivering medical services. Topics include legal relationships among providers, payers and patients. Also addressed are clinical and administrative issues of professional liability, including public health responsibilities; medical records management; and HIPAA privacy, security and fraud. Ethics aspects of patient rights and duties are explored in a healthcare service delivery context.

Course Credit Hours

3

Corequisites

None

Prerequisites

- HCA310 Health Systems and Interoperability (3)

HCA430 - Human Resources in Healthcare

Course Description

This course explores human resource management principles specific to healthcare organizations, emphasizing managing administrative staff and clinical professionals. Topics include recruitment strategies for healthcare positions, physician credentialing processes, performance evaluation systems for clinical staff and compensation structures in healthcare settings. Students examine regulatory compliance requirements for healthcare employment practices; techniques for resolving conflicts between clinical and administrative teams; medical staff bylaws and governance structures; and retention strategies for high-demand healthcare professionals. Challenges of supervising medical professionals while maintaining operational efficiency are explored within healthcare service delivery contexts.

Course Credit Hours

3

Corequisites

None

Prerequisites

None

HCA435 - Healthcare Analytics and Informatics

Course Description

This course focuses on data analysis methods and informatics applications that support healthcare decision-making and operational improvement. Topics include population health analytics, clinical quality metrics development, electronic health record data mining and dashboard creation for monitoring healthcare performance. Also addressed are statistical analysis techniques for healthcare data; predictive modeling for patient outcomes; data visualization tools for clinical and administrative audiences; and regulatory requirements for health information management. Hands-on applications provide students practical experience in translating complex healthcare data into actionable insights that support evidence-based management and quality improvement initiatives.

Course Credit Hours

3

Corequisites

None

Prerequisites

None

HCA440 - Digital Health and Innovation

Course Description

This capstone course prepares students for strategic leadership roles in healthcare AI and digital transformation. Students analyze emerging technology trends, develop business cases for AI investments, design change management strategies and create executive-level presentations. Through comprehensive projects, students demonstrate readiness to lead AI initiatives and advise senior leadership on digital health strategy.

Course Credit Hours

3

Corequisites

None

Prerequisites

None

HCA445 - Healthcare Leadership for a Digital Age

Course Description

Students in this course examine strategies for leading healthcare organizations through digital transformation initiatives. Topics include growing digital literacy skills among healthcare teams, communicating technology benefits to clinical stakeholders and managing organizational change in technology-driven environments. Also addressed are governance structures for digital health projects, stakeholder engagement techniques and conflict resolution approaches when clinical staff resist new technologies. Ethical leadership considerations for implementing patient care technologies and ensuring equitable access to digital health resources are evaluated in healthcare service delivery contexts.

Course Credit Hours

3

Corequisites

None

Prerequisites

- MGMT303 Principles of Management (3)

HCA450 - Managed Care and Community Health

Course Description

This course surveys development of health insurance products and managed care approaches to financing and delivery of healthcare services in the United States. Students examine and consider fundamental concepts of insurance risk management and various types of managed care organizations in relation to the consumer, provider and insurer.

Course Credit Hours

3

Corequisites

None

Prerequisites

None

HCA480 - Long-Term-Care Administration

Course Description

This course examines organizing, financing and managing long-term-care services across the continuum of care. Topics include skilled nursing facilities, assisted living operations, home health services and hospice care delivery models. Also addressed are federal and state regulatory requirements including Centers for Medicare & Medicaid Services (CMS) conditions of participation; quality measurement and reporting; reimbursement mechanisms, including Medicare and Medicaid; staffing models and workforce challenges; and resident rights advocacy. Integration of long-term-care services with acute care systems and community resources is explored.

Course Credit Hours

3

Corequisites

None

Prerequisites

None

HCA490 - Healthcare Administration Capstone

Course Description

Students in this course integrate knowledge gained throughout the Healthcare Administration bachelor’s degree program to understand multi-faceted healthcare challenges and explore administrative solutions. Topics include identifying stakeholder perspectives in healthcare decision-making; applying healthcare administration concepts to case-based scenarios; and developing foundational problem-solving approaches for healthcare organizations. Also addressed are presentation skills for communicating administrative recommendations; evaluation criteria for assessing solution feasibility; and the relationship between administrative decisions and patient care outcomes. The complexity of healthcare administration is explored through structured analysis of organizational challenges in healthcare service delivery contexts.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete all of the following

Successful completion of 89 semester-credit hours
Permission from the appropriate academic administrator

History

HIST405 - United States History
Course Description

This course examines American history from the formation of the 13 original colonies to the present. Coursework addresses the struggle to define American citizenship and government, development of the nation and a national economy, and racial exclusion in American society. Also examined are the country's transformation to a world power, Reconstruction, resurgence, recession and reform, principles of justice and the American experience.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- ENGL135 Advanced Composition (4)
- ENGL136 Advanced Composition (3)

HIST410 - Contemporary History
Course Description

This course examines major 20th century political, social, economic and technological developments in a global context. It also establishes a context for historical events and suggests relationships among them. The impact of technological innovation on contemporary society, politics, military power and economic conditions is explored.

Course Credit Hours

3

Corequisites

None

Prerequisites

- ENGL135 Advanced Composition (4)

Hospitality Management

HOSP310 - Introduction to Hospitality Management

Course Description

This course introduces the major fields within the hospitality industry: lodging, meetings/events, restaurants, casinos and tourism. Operations and management are covered in the context of history, society and leadership.

Course Credit Hours

4

Corequisites

None

Prerequisites

- BUSN115 Introduction to Business and Technology (3)

HOSP320 - Foundations of Hotel Management

Course Description

This course examines the lodging industry – from its traditional roots to contemporary structures – and addresses management, economics and measurement of hotel operations. Reservation systems, staffing, housekeeping, security and facility maintenance operations are examined and related to management responsibilities.

Course Credit Hours

4

Corequisites

None

Prerequisites

- HOSP310 Introduction to Hospitality Management (4)

HOSP330 - Meetings and Events Management

Course Description

This course introduces event, meeting and convention management – one of the fastest growing segments of the hospitality industry. Coursework addresses the diverse demands of multiple stakeholders who plan, organize, lead and control organized functions. Models of events are introduced, enabling students to explore issues related to sponsorship, venues, staffing, finance, exhibit coordination, contracted services, legal implications, marketing and convention bureaus.

Course Credit Hours

4

Corequisites

None

Prerequisites

- HOSP310 Introduction to Hospitality Management (4)

HOSP410 - Restaurant Management

Course Description

This course introduces operational and management practices of both startup and established restaurants. Concepts related to mission, marketing strategy and menu are addressed. Financial management of restaurants is examined, including pricing, budgets, cost control, payroll, fixed assets, leasing, and cash and revenue control, as are service and customer relations challenges.

Course Credit Hours

4

Corequisites

None

Prerequisites

- HOSP310 Introduction to Hospitality Management (4)

HOSP420 - Food Safety and Sanitation

Course Description

This course covers fundamental aspects of food safety, sanitation and food service operations. Coursework is based on the 2001 FDA Food Code and focuses on management of sanitation, factors contributing to unsafe food, food-borne illnesses, food production flow, the Hazard Analysis Critical Control Point system, accident and crisis management, employee training, food safety regulations, and facilities and equipment cleaning and sanitation.

Course Credit Hours

4

Corequisites

None

Prerequisites

- HOSP310 Introduction to Hospitality Management (4)

HOSP440 - Casino Management

Course Description

This course introduces operating conditions and management responsibilities in casinos, and related properties and services. Gaming history and regulations are covered, as are modern gaming laws, controls, taxes, accounting, reporting, marketing, and the mathematics and statistics of games and casinos.

Course Credit Hours

4

Corequisites

None

Prerequisites

- HOSP310 Introduction to Hospitality Management (4)

HOSP450 - Tourism Management

Course Description

This course introduces the many interdisciplinary aspects of the growing tourism industry, with emphasis on managerial challenges and responsibilities. The structure and function of major tourism delivery systems are covered, as are social and behavioral aspects of tourism. Additionally, supply and demand for products and services are analyzed, and forecasting demand, revenue and yield management approaches are explored.

Course Credit Hours

4

Corequisites

None

Prerequisites

- HOSP310 Introduction to Hospitality Management (4)

Human Resource Management

HRM320 - Employment Law

Course Description

This course provides a comprehensive survey of federal and state laws as they affect the human resource function. Topics include equal employment opportunity, employment agreements, wage and overtime payment, and other regulatory issues.

Course Credit Hours

4

Corequisites

None

Prerequisites

- BUSN115 Introduction to Business and Technology (3)

HRM330 - Labor Relations

Course Description

This course provides a perspective on the evolution of interaction between management and labor in a corporate environment. Topics include the American labor movement; federal and state labor laws; and collective bargaining, mediation and work stoppage.

Course Credit Hours

4

Corequisites

None

Prerequisites

- BUSN115 Introduction to Business and Technology (3)

HRM340 - Human Resource Information Systems

Course Description

This course focuses on applying technology to developing, maintaining and managing human resource information. Students research, analyze and report on various hardware and software options available for managing the human resource function.

Course Credit Hours

4

Corequisites

None

Prerequisites

Complete all of the following

Complete at least 1 of the following

- MGMT210 Human Resource Functions (3)
- MGMT410 Human Resource Management (4)

Complete at least 1 of the following

- COMP100 Computer Applications for Business with Lab (2)
- COMP121 Computer Applications with AI for Business (2)

HRM341 - HR Information Systems and AI Applications

Course Description

This course focuses on applying technology and artificial intelligence (AI) to develop, manage and maintain human resource (HR) information systems. Students evaluate how AI-enhanced tools are transforming HR functions such as recruitment, performance management, employee engagement and workforce analytics. Students research, analyze and report on hardware, software and AI-driven solutions for managing HR functions.

Course Credit Hours

4

Prerequisites

Complete at least 1 of the following

- ACCT207 Fundamentals of Accounting (4)
- ACCT212 Financial Accounting (4)

HRM410 - Strategic Staffing

Course Description

This course focuses on developing a strategic structure for providing corporations with human resources necessary to achieve organizational goals. Students learn strategies and techniques for planning, recruiting, selecting, training and retaining employees.

Course Credit Hours

4

Corequisites

None

Prerequisites

Complete at least 1 of the following

- MGMT210 Human Resource Functions (3)
- MGMT410 Human Resource Management (4)

HRM420 - Training and Development

Course Description

This course examines training and organizational development techniques used by corporations to improve individual and corporate effectiveness. Topics include needs analysis, implementation planning and outcomes assessment for individuals and organizations.

Course Credit Hours

4

Corequisites

None

Prerequisites

Complete at least 1 of the following

- MGMT210 Human Resource Functions (3)
- MGMT410 Human Resource Management (4)

HRM430 - Compensation and Benefits

Course Description

This course focuses on how organizations use pay systems and benefit plans to achieve corporate goals. Topics include pay systems design, analysis and evaluation, and legally required and voluntary benefit options.

Course Credit Hours

4

Corequisites

None

Prerequisites

Complete at least 1 of the following

- MGMT210 Human Resource Functions (3)
- MGMT410 Human Resource Management (4)

HRM587G - Managing Organizational Change

Course Description

This course addresses concepts and techniques required to successfully implement change across an organization. Coursework focuses on identifying an organization's vision as well as opportunities that can align the vision with the organization's structures, processes, culture and orientation to the environment. Also addressed are opportunities for, and problems in, managing human dynamics in organizations, including intervention techniques, models, principles and values that indicate how to take charge of planned change efforts in order to achieve success.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete all of the following

Successful completion of 89 semester-credit hours
Permission from the appropriate academic administrator

Humanities

HUMN303 - Introduction to the Humanities

Course Description

This course introduces vital areas of the humanities, such as the visual and performing arts, literature, history and philosophy. Students analyze and evaluate works of art, and develop connections among these works and their historical, cultural and philosophical contexts. Discussions, writings, oral presentations, group activities and visits to cultural venues prepare students for more advanced inquiry in subsequent courses.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- ENGL135 Advanced Composition (4)
- ENGL136 Advanced Composition (3)

Information Systems Management

MIS540G - Innovation Through Technology

Course Description

This course explores the critical role of technology and innovation in reshaping the management and operation functions of contemporary organizations. Focusing on how organizations use technology to reinvent business processes and increase competitiveness in an increasingly virtual and interdependent world, the course addresses emerging organizational forms; competitive advantages; strategic initiatives; managing innovation projects; enterprise systems; the use of data for supporting decision-making; global supply chains and business processes. Social and ethical issues are explored in the context of how technology is used to drive business innovation.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete all of the following

Successful completion of 89 semester-credit hours
Permission from the appropriate academic administrator

MIS541G - Innovation Through Technology and AI

Course Description

Students in this course evaluate the roles of technology and innovation in reshaping management and operations of contemporary organizations. Focusing on leveraging technology, including AI, to reinvent business processes and increase competitiveness in an increasingly virtual and interdependent world, the course addresses emerging organizational forms, competitive advantages, strategic initiatives, AI-supported innovation efforts, enterprise systems, data-supported decision-making, global supply chains and business processes. Students analyze how automation, generative AI tools and intelligent platforms can enhance creativity, efficiency and new product development. They also examine social and ethics issues of using technology to drive business innovation.

Course Credit Hours

3

Corequisites

None

Prerequisites

Successful completion of 89 semester-credit hours and permission from the appropriate academic administrator

MIS548G - AI Applications for Business

Course Description

This course presents applied artificial intelligence (AI) and data analytics using product and service case studies and examples. AI tools used in different industry sectors for business-related decision-making are discussed. Coursework also examines ethical and privacy considerations of various types of AI.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete all of the following

Successful completion of 89 semester-credit hours
Permission from the appropriate academic administrator

MIS551G - Agentic AI and Automation

Course Description

Content explores agentic systems, automation frameworks, no-code platforms and multi-agent architectures. Skills practiced are efficient workflow design, execution of automation integrations and application of ethical system practices. Knowledge and skills are leveraged to support decision-making and deployment of responsible, AI-enabled solutions that optimize processes.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete 1 of the following

- MIS548G AI Applications for Business (3)
- TECH112 AI in Industry (3)

Permission from the appropriate academic administrator

Information Systems Security

SEC270 - Secure Cyber Coding

Course Description

This course emphasizes use of artificial intelligence (AI) and best practices in cybersecurity for rapid development of secure software applications. Coursework is designed to help students learn to use AI to generate code and analyze security concerns across the software development life cycle (SDLC). Strategies for security flaw remediation and patch are also covered.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- CEIS209 Intermediate Programming (4)
- CIS355A Business Application Programming with Lab (4)
- SIS250 General Application Programming (3)
- SIS320 Business Application Programming (3)

SEC285 - Fundamentals of Information System Security

Course Description

This course explores the fundamentals of information security attacks and defense mechanisms. Security issues related to people, data, networks, and devices are surveyed to provide insight into designing security solutions and policies. Technologies and practices that support the security principles of confidentiality, integrity, and availability are also discussed.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- NETW212 Introduction to Cloud Computing (3)
- NETW191 Fundamentals of Information Technology and Networking (3)

SEC290 - Fundamentals of Infrastructure Security

Course Description

This course develops fundamental infrastructure security implementation skills. Topics include identification of security vulnerabilities, wireless vulnerabilities, risk assessments, intrusion detection and prevention, business continuity and disaster recovery, firewall architecture, and an introduction to cryptography.

Course Credit Hours

3

Corequisites

None

Prerequisites

- SEC285 Fundamentals of Information System Security (3)

SEC302 - Data Administration and Security

Course Description

This course explores data management practices, with emphasis on data administration and security logistics. Coursework is designed to help students learn to manage and protect data assets, and examine emerging risks from AI, quantum computing and Web3 technologies. Students explore how AI-driven and emerging tools can enhance organizational security and streamline data protection strategies.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- CEIS236 Database Systems and Programming Fundamentals (4)
- SIS230 Relational Databases (3)

SEC305 - Cybersecurity and Data Privacy

Course Description

This course explores critical concepts in cybersecurity, information security and data privacy. Students examine professional responsibilities, privacy laws, enforcement actions and global regulations such as GDPR, alongside consumer rights and protections. The course also examines evolving security considerations driven by emerging technologies, including quantum computing, artificial intelligence, Web3 and blockchain.

Course Credit Hours

4

Corequisites

None

Prerequisites

Complete at least 1 of the following

- BUSN115 Introduction to Business and Technology (3)
- CEIS101 Introduction to Technology and Information Systems (2)
- CEIS101C Introduction to Technology and Information Systems (2)
- HIT230 Health Insurance and Reimbursement (3)
- HIT235 Health Insurance Billing and Reimbursement (3)
- HSM310 Introduction to Health Services Management (4)
- TECH101 Technology Fundamentals (3)

SEC311 - Ethical Hacking

Course Description

This course provides knowledge and skills related to activities behind hacking attacks and countermeasures. Coursework helps students build defense mechanisms to protect applications, systems and networks from hackers. Security loopholes, as well as common attack tools used by black hat hackers, are examined.

Course Credit Hours

3

Corequisites

None

Prerequisites

- SEC285 Fundamentals of Information System Security (3)

SEC313 - Applied AI for Cybersecurity

Course Description

This course introduces use of artificial intelligence (AI) in cybersecurity to reinforce cyber threat intelligence to strengthen an organization’s defenses. Also explored is use of AI to support email monitoring, fraud prevention, malware detection, algorithm review and network scanning. Strategies for implementing, evaluating and assessing AI-driven cyber support tools are presented.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete all of the following

- SEC285 Fundamentals of Information System Security (3)

Complete at least 1 of the following

- MATH221 Statistics for Decision-Making (4)
- TECH220 Data-Driven Decision-Making (3)
- TECH221 Data-Driven Decision-Making (4)

SEC322 - Penetration Testing

Course Description

This course explores penetration testing skills needed to assess vulnerabilities of in-house, cloud-centric and hybrid environments. Coursework is designed to develop students’ ability to scan and analyze the state of organization, and to plan, scope and manage weaknesses.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- SEC285 Fundamentals of Information System Security (3)
- SEC305 Cybersecurity and Data Privacy (4)

SEC335 - Incident Response and Digital Forensics

Course Description

Students in this course explore techniques for cyber incident investigation, digital evidence gathering and cybersecurity threat response. Coursework presents strategies for cybercrime investigation and for forensic analysis and incident response. The course prepares students for managing security incidents, as well as for defending and responding to attacks.

Course Credit Hours

4

Corequisites

None

Prerequisites

Complete at least 1 of the following

- SEC302 Data Administration and Security (3)
- SEC311 Ethical Hacking (3)
- SEC322 Penetration Testing (3)

SEC350 - Secure Software Deployment

Course Description

This course covers the foundational principles of production, security and operations (DevSecOps) in software development. Coursework is designed to build skills in the identification and resolution of security vulnerabilities throughout the development life cycle. Integration of artificial intelligence (AI) into the DevSecOps methodology (AIDevSecOps) is then presented to help students leverage AI and machine learning (ML) technologies to apply automation for rapid, efficient and secure software releases.

Course Credit Hours

3

Corequisites

None

Prerequisites

- SEC270 Secure Cyber Coding (3)
- SIS320 Business Application Programming (3)

SEC380 - Cloud Computing Security

Course Description

This course applies information security expertise to a cloud computing environment and demonstrates competence in cloud security architecture, design, operations, and service orchestration. It develops the knowledge, skills, and abilities in cloud security design, implementation, architecture, operations, controls, and compliance with regulatory frameworks.

Course Credit Hours

4

Corequisites

None

Prerequisites

- SEC285 Fundamentals of Information System Security (3)

SEC395 - Cybersecurity Architecture and Engineering

Course Description

This course addresses security architecture and engineering skills needed to secure in-house, cloud-centric and hybrid IT environments. Topics include assessing organizations' cybersecurity readiness, and technical-team leadership needed to implement enterprise-wide cybersecurity solutions. Students apply best practices in governance, risk management and compliance to design and implement solutions within adopted policies and frameworks and ensure organizations' readiness for cyberattacks.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- SEC290 Fundamentals of Infrastructure Security (3)
- SEC311 Ethical Hacking (3)
- SEC322 Penetration Testing (3)

SEC399 - Cybersecurity Career Preparation

Course Description

This course reviews and reinforces knowledge and skills needed to implement, monitor and administer IT infrastructure using cybersecurity best practices. Cyber industry topics covered include security operations and administration; access controls; risk identification, monitoring and analysis; incident response and recovery; cryptography; network and communications security; and systems and application security.

Course Credit Hours

1

Corequisites

None

Prerequisites

- SEC290 Fundamentals of Infrastructure Security (3)

SEC440 - Information Systems Security Planning and Audit

Course Description

This course provides an in-depth look at risk factor analysis that must be performed in order to design a flexible and comprehensive security plan. Topics include assessing threats, developing countermeasures, protecting information and security designs processes. Auditing practices used to verify compliance with policies and procedures, as well as for building a case for presentation in private and public settings, are also covered.

Course Credit Hours

4

Corequisites

None

Prerequisites

- SEC285 Fundamentals of Information System Security (3)

SEC455 - Security Operations Center

Course Description

This course presents essential skills required within a security operations center (SOC) to successfully protect organizational assets from cyber-attacks and addresses how attackers are identified. Coursework is designed to help students learn about the different types of SOCs and their respective goals, roles, benefits and challenges.

Course Credit Hours

4

Corequisites

- SEC395 Cybersecurity Architecture and Engineering (3)

Prerequisites

None

Internship

INTP491 - Internship I

Course Description

Students in this course, the first in a two-course sequence, begin an education-related field experience with a local business or community organization. As they contribute knowledge and skills to a business project or process – and acclimate to a business environment and culture – students gain valuable insight through self-reflection, assessment, and host-business analysis and feedback. In addition to the classroom component, this course requires a minimum of 10 to 12 hours per week of supervised practical experience at an approved external site.

Course Credit Hours

2

Corequisites

None

Prerequisites

Complete all of the following

Successful completion of 24 semester-credit hours
Permission from the appropriate academic administrator

INTP492 - Internship II

Course Description

In this course, a continuation of INTP491, students complete their work with a local business or community organization as they gain real-world experience. The internship enables students to apply knowledge and skills to implement specific projects or processes, and provides an environment for developing good work habits and further enhancing communication skills and self-confidence. In addition to the classroom component, this course requires a minimum of 10 to 12 hours per week of supervised practical experience at an approved external site.

Course Credit Hours

2

Corequisites

None

Prerequisites

Complete all of the following

- INTP491 Internship I (2)

Permission from the appropriate academic administrator

INTP493 - Internship Preparation

Course Description

Students in this course, the first in a two-course sequence, prepare for a structured and professional virtual internship experience. Coursework and exercises help students develop skills, materials and strategies needed to secure and succeed in a remote internship. Students work to create resumes and portfolios; prepare for interviews; develop professional communications; and practice skills needed for remote work. They also set individual learning goals and identify target industries and/or roles aligned with their academic and career plans.

Course Credit Hours

4

Corequisites

None

Prerequisites

Permission from the appropriate academic administrator

INTP494 - Internship Experience

Course Description

This course, the second in a two-course sequence, combines a supervised internship experience with a structured professional development curriculum. Students complete their internship virtually with a host company while completing coursework focused on employability and career readiness skills. Throughout their internship, students use feedback from employer check-ins, and self-assessment and structured reflection, to document their progress and apply course concepts.

Course Credit Hours

4

Corequisites

None

Prerequisites

- INTP493 Internship Preparation (4)

Justice Administration

JADM200 - Introduction to Criminal Law

Course Description

This course covers the purpose, nature and nomenclature of criminal law, including consequences of noncompliance, elements of a crime, categories of crime, criminal procedures defined by the law, and principles of criminal cases. Constitutional limitations in criminal law are also studied.

Course Credit Hours

3

Corequisites

None

Prerequisites

- CRMJ300 Criminal Justice (3)

JADM240 - Introduction to the Criminal Courts

Course Description

This course provides an overview of the American courts and criminal justice system. Coursework examines the courtroom work group, as well as the trial process and challenges to the process, and also reviews the juvenile court system.

Course Credit Hours

3

Corequisites

None

Prerequisites

- CRMJ300 Criminal Justice (3)

JADM250 - Police Report Writing

Course Description

This course covers the most common types of writing required of law enforcement personnel, including narrative reports, proposals, memos, short reports, letters and email, emphasizing clarity and professionalism in communications. Coursework examines how computers and technology are used in the process.

Course Credit Hours

3

Corequisites

None

Prerequisites

New Rule Group
Complete all of the following

- CRMJ300 Criminal Justice (3)

Complete at least 1 of the following

- COMP100 Computer Applications for Business with Lab (2)
- COMP121 Computer Applications with AI for Business (2)

JADM270 - Correctional Counseling

Course Description

This course introduces basic elements of interviewing, counseling, and techniques applicable to the criminal justice and correctional setting. Topics include treatment guidelines, evidence-based counseling practices, research findings, trends and statistics, program evaluations and positions presented in journal review articles.

Course Credit Hours

3

Corequisites

None

Prerequisites

- CRMJ320 Theory and Practice of Corrections (3)

JADM310 - Drugs and Society

Course Description

This course examines the effects of drug and alcohol abuse on society, justice institutions and related legislation. Drugs and their effects on the body, current means of treatment, education, rehabilitation, prevention of abuse, theories of use, the drug business and drug law enforcement are also covered.

Course Credit Hours

3

Corequisites

None

Prerequisites

- CRMJ300 Criminal Justice (3)

JADM330 - Victimology

Course Description

This course focuses on victimization, including the relationship between criminal offenders and their victims, and treatment of victims in the justice system by police and the courts. Issues of law and protection of victims are covered, as are societal perceptions of victims.

Course Credit Hours

3

Corequisites

None

Prerequisites

- CRMJ300 Criminal Justice (3)

JADM340 - Criminal Evidence

Course Description

This course examines the rules of evidence associated with trials and administrative procedures. The legal boundaries essential to the collection and seizure of admissible evidence and legal interrogation are also covered.

Course Credit Hours

3

Corequisites

None

Prerequisites

- CRMJ300 Criminal Justice (3)

JADM350 - Research Methods in Criminal Justice

Course Description

Current research in criminal justice is examined for methodological approaches, design and analysis, as well as relevance to the field of justice administration. Use of statistics in research is covered.

Course Credit Hours

3

Corequisites

None

Prerequisites

- CRMJ400 Criminology (3)
- MATH221 Statistics for Decision-Making (4)

JADM400 - Interviewing and Interrogation

Course Description

This course covers protocols and techniques used in criminal justice interviews and interrogations, including standards and laws relevant to obtaining statements, admissions and confessions. Integrity of verbal and nonverbal communication is also analyzed.

Course Credit Hours

3

Corequisites

None

Prerequisites

- CRMJ310 Law Enforcement (3)

JADM403 - Cybercrime

Course Description

This course examines criminal activity that uses or threatens computers or networks, including prevention of and controlling high-tech crime. The discipline of information technology, the sociology/anthropology of cyberspace, computer security, deviancy, law, criminal justice, risk management and strategic thinking are explored.

Course Credit Hours

3

Corequisites

None

Prerequisites

- CRMJ310 Law Enforcement (3)
- JADM340 Criminal Evidence (3)

JADM413 - Police Administration

Course Description

Students in this course explore organizational and leadership theory and practice of complex organizations and apply this understanding to functions and roles in police departments. Organizational design and development, management styles, planning and fiscal approaches, as well as aspects of human resource management, are covered.

Course Credit Hours

3

Corequisites

None

Prerequisites

- CRMJ310 Law Enforcement (3)

JADM455 - Emergency Management

Course Description

This course deals with emergency or disaster risk mitigation, preparedness, response and recovery. Topics include managing complex organizations and emergency decision-making, interagency cooperation, risk assessment, planning preparations, humanitarian interventions and recovery challenges.

Course Credit Hours

3

Corequisites

None

Prerequisites

- CRMJ300 Criminal Justice (3)

JADM480 - Homeland Security and Terrorism

Course Description

This course provides a foundation for understanding the scope of homeland security, including responsibilities and strategies of the Department of Homeland Security and related government agencies. Types and sources of terrorism, as well as methods for responding to terrorist threats, are examined.

Course Credit Hours

3

Corequisites

None

Prerequisites

- CRMJ400 Criminology (3)

JADM485 - Security Intelligence Analysis

Course Description

This course investigates intelligence analysis principles and methods as applicable to homeland-security-related case studies and scenarios. Critical thinking skills and application of structured analytical techniques are emphasized.

Course Credit Hours

3

Corequisites

None

Prerequisites

- JADM480 Homeland Security and Terrorism (3)

JADM490 - Senior Project I

Course Description

In this course, the first in a two-course sequence, students apply knowledge and mastered skills, including problem-solving techniques, research and oral/written communication to real-world projects in a justice administration environment. Working individually or in teams, students draw on knowledge and competencies developed through prior coursework.

Course Credit Hours

2

Corequisites

None

Prerequisites

Complete all of the following

Successful completion of 89 semester-credit hours
Permission from the appropriate academic administrator

JADM494 - Senior Project II

Course Description

In this course, a continuation of JADM490, students further apply their knowledge and mastered skills, including problem-solving techniques, research and oral/written communication to real-world projects in a justice administration environment. Working individually or in teams, students apply knowledge and competencies as they prepare and present final work deliverables.

Course Credit Hours

2

Corequisites

None

Prerequisites

- JADM490 Senior Project I (2)

Leadership

LEAD150 - Leadership and Facilitating Change

Course Description

This course examines critical thinking skills needed to develop leadership skills and facilitate change within professional communities. Students analyze various complex professional issues; use information literacy to source and leverage information; and communicate problem-solving techniques. Throughout the course, students reflect on their own value systems, communities and professional interests.

Course Credit Hours

3

Corequisites

None

Prerequisites

None

LEAD335 - Cross-Cultural Leadership

Course Description

This course examines cross-cultural leadership styles and behaviors needed to succeed in the global workforce. Students explore key theories of global leadership, strategies for supporting a diverse workforce and cultural competence. To help students develop leadership skills, coursework emphasizes communication and industry-based research skills.

Course Credit Hours

4

Corequisites

None

Prerequisites

- BUSN115 Introduction to Business and Technology (3)

LEAD430 - Consulting and Problem-Solving

Course Description

This course introduces key concepts related to consulting in a business environment. Through coursework grounded in real-world application, students explore how to support organizations' efforts to identify problems; prioritize work and initiatives; perform analyses; determine recommendations; and implement solutions. Using analytics to evaluate operational challenges and improve business outcomes is emphasized.

Course Credit Hours

3

Corequisites

None

Prerequisites

- BUSN115 Introduction to Business and Technology (3)

LEAD570G - Leadership in the Age of AI

Course Description

This course provides tools and strategies essential for leadership in the evolving age of artificial intelligence (AI). Coursework draws on real-world examples of innovative decision-making, helping students evaluate the leadership mindset and its impact on team engagement and future preparedness. The course also emphasizes how to leverage AI, data and technology to lead and sustain change.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete all of the following

Successful completion of 89 semester-credit hours
Permission from the appropriate academic administrator

Legal Issues

LAWS310 - The Legal Environment

Course Description

This course examines the North American legal system, focusing on aspects of the law as they relate to social, economic and ethical issues. Students explore regulatory matters, intellectual property, employer-employee relationships, antitrust, environmental issues, consumer protection, and civil versus criminal law distinctions.

Course Credit Hours

3

Corequisites

None

Prerequisites

None

Liberal Arts and Sciences

LAS432 - Technology, Society, and Culture

Course Description

In this capstone course, the relationship between society and technology is investigated through reading, reflection, research and reports. The course identifies conditions that have promoted technological development and assesses the social, political, environmental, cultural and economic effects of current technology. Issues of control and ethical considerations in the use of technology are primary. Discussion and oral and written reports draw together students' prior learning in specialty and general education courses. This course must be taken at DeVry.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete all of the following

Successful completion of 89 semester-credit hours
All general education requirements except courses with the prefix CARD, or TECH305 - Technology Career Development
Permission from the appropriate academic administrator

Management

MGMT210 - Human Resource Functions

Course Description

This course surveys components and management of human resources in organizations. Real-world examples and exercises are used and address regulations and guidelines, job analysis and design, employee recruiting, selection, salary and benefits, performance assessment, development and termination. Labor relations is introduced.

Course Credit Hours

3

Corequisites

None

Prerequisites

- BUSN115 Introduction to Business and Technology (3)

MGMT230 - Contemporary Retail Management

Course Description

This course explores retailing processes, functions and planning as components of marketing distribution in the domestic economy and global supply chain. Market and consumer analysis; store location and layout; merchandizing; promotion; customer relations; and financial, legal, ethical and environmental aspects are emphasized.

Course Credit Hours

3

Corequisites

None

Prerequisites

- BUSN115 Introduction to Business and Technology (3)

MGMT300 - Customer Care and Relationship Management

Course Description

This course introduces concepts related to customer relationship management. Students explore how to help organizations successfully implement strategies, practices and technologies for gaining and retaining customers. Coursework focuses on building enduring customer relationships, including overcoming challenges to ensure customers are satisfied and their needs are met.

Course Credit Hours

3

Corequisites

None

Prerequisites

- BUSN115 Introduction to Business and Technology (3)

MGMT303 - Principles of Management

Course Description

This course examines fundamental management theories and traditional managerial responsibilities in formal and informal organizational structures. Planning, organizing, directing, controlling and staffing are explored.

Course Credit Hours

3

Corequisites

None

Prerequisites

- BUSN115 Introduction to Business and Technology (3)

MGMT320 - Construction Management

Course Description

This course provides in-depth exploration of principles, practices and roles essential for managing construction projects. Students explore phases of the project life cycle; stakeholder responsibilities; and intricacies of contracts, cost control and scheduling methods across residential, commercial and infrastructure projects. Students evaluate and apply management concepts to ensure project efficiency, compliance and successful delivery.

Course Credit Hours

4

Corequisites

None

Prerequisites

None

MGMT325 - Construction Methods and Materials

Course Description

This course addresses selection, properties and applications of common construction materials such as concrete, steel, wood and masonry in various building systems. Students evaluate construction techniques; material performance; and the interplay between materials, design and structural integrity. Coursework emphasizes sustainability, code compliance, and the critical role of materials in project planning and execution.

Course Credit Hours

4

Corequisites

None

Prerequisites

None

MGMT330 - Business Communication

Course Description

This course reinforces professional communication competencies and extends essential principles to include advanced messaging strategies for the workplace. Effective methods for creating professional documents, managing routine communication, and conveying technical information and recommendations are addressed. Strategies for orchestrating collaborative writing projects, directing virtual teams and providing feedback on work in progress are emphasized. Also addressed are methods for creating effective oral presentations.

Course Credit Hours

4

Corequisites

None

Prerequisites

- ENGL112 Composition (4)

MGMT340 - Business Systems Analysis

Course Description

This course focuses on analysis of business systems using current techniques to analyze business activities and solve problems. Interviewing skills, group dynamics, and development of process flows, data flows and data models are emphasized. Students learn to identify, define and document business processes and problems, and to develop solutions.

Course Credit Hours

4

Corequisites

None

Prerequisites

- BIS155 Data Analysis with Spreadsheets with Lab (3)

MGMT355 - Operations Management

Course Description

This course examines concepts, tools and practices applied in designing, managing and improving business operations. Students explore how organizations transform inputs into goods and services efficiently while meeting customer expectations. Topics include process design, capacity planning, quality management, supply chain coordination, inventory control, scheduling and project management. Students analyze operational challenges and develop strategies to improve efficiency, productivity and competitiveness in diverse industries.

Course Credit Hours

3

Corequisites

None

Prerequisites

- BUSN115 Introduction to Business and Technology (3)

MGMT404 - Project Management

Course Description

This course addresses essential project management concepts, including stakeholder engagement and communication plans, project scope, work breakdown structure (WBS), scheduling, risk identification and project closure. Throughout the course, students apply independent thinking as they complete quizzes gauging their understanding, participate in weekly discussions and complete written assignments focused on putting project management theory into practice.

Course Credit Hours

4

Corequisites

None

Prerequisites

None

MGMT408 - Management of Technology Resources

Course Description

This course focuses on developing and applying management and business skills in typical technical environments, as well as on technical support operations. Management approaches in resource planning, resource utilization, staffing, training, customer service, cost/benefit analysis and ongoing support are presented. Students apply business skills in developing and evaluating requests for proposal (RFPs) and related acquisition methods, and consider issues related to in-house and outsource solutions.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- ACCT212 Financial Accounting (4)
- ACCT301 Essentials of Accounting (4)
- MGMT404 Project Management (4)
- WGD210 Digital Imaging Fundamentals (4)

MGMT410 - Human Resource Management

Course Description

Students in this course explore contemporary concepts and techniques essential to managing corporate human resources. Topics include resource planning, staffing and rewards, as well as developing and maintaining positions and people.

Course Credit Hours

4

Corequisites

None

Prerequisites

- BUSN115 Introduction to Business and Technology (3)

MGMT421 - Construction Planning and Scheduling

Course Description

This course focuses on developing and managing complex construction projects, including scheduling, planning techniques, resource allocation and timeline optimization. Students apply industry-standard tools such as the critical path method (CPM), Gantt charts and project management software to monitor progress and control project timelines. The course prepares students to identify scheduling risks; coordinate activities; and support on-time, on-budget project delivery.

Course Credit Hours

4

Corequisites

None

Prerequisites

- MGMT320 Construction Management (4)

MGMT426 - Construction Budgeting and Estimation

Course Description

Students in this course examine principles and practices of cost estimation and budget development in construction projects. Students prepare quantity takeoffs, develop detailed cost estimates and analyze budgets using industry-standard tools and methodologies. They also apply cost control, bid preparation, and financial decision-making to support accurate and competitive project delivery.

Course Credit Hours

4

Corequisites

None

Prerequisites

- MGMT320 Construction Management (4)

Marketing

MKTG230 - Consumer Behavior Fundamentals

Course Description

Through socioeconomic and psychological approaches, students analyze factors that influence behavior of individuals and society as needs are considered, products and services used and satisfaction expressed. Decision-making processes of individual buyers and groups are studied, typically from researched buying behavior. Influences on consumers, including marketing and social media, are assessed.

Course Credit Hours

3

Corequisites

None

Prerequisites

- BUSN115 Introduction to Business and Technology (3)

MKTG310 - Consumer Behavior

Course Description

Students in this course analyze consumer purchasing behavior as it relates to development of marketing mix programs. Important considerations include economic, psychological, cultural, cognitive and social factors.

Course Credit Hours

4

Corequisites

None

Prerequisites

- BUSN319 Marketing (3)

MKTG320 - Market Research

Course Description

Students in this course analyze various market research techniques, including methodology used to gather information for decision-making. Emphasis is placed on methods and techniques for collecting, analyzing, interpreting and disseminating primary and secondary data for final end-use.

Course Credit Hours

4

Corequisites

None

Prerequisites

- BUSN319 Marketing (3)

MKTG330 - Innovation and Product Management

Course Description

This course explores the processes of creativity and innovation as tools for marketers and small business managers. Students identify and evaluate opportunities for using these processes and apply them to implementing and expanding product lines in corporate and entrepreneurial ventures. A structure for introducing new products is presented.

Course Credit Hours

3

Corequisites

None

Prerequisites

- BUSN115 Introduction to Business and Technology (3)

MKTG340 - Digital Marketing Fundamentals

Course Description

Providing a framework and tools for managing an organization’s digital marketing efforts and presence, this course introduces students to a paradigm of dynamic and direct customer interaction. Through an interactive weekly blog assignment, students experience and analyze effects of creating, promoting and adapting an online identity.

Course Credit Hours

3

Corequisites

None

Prerequisites

- BUSN319 Marketing (3)

MKTG410 - Advertising and Public Relations

Course Description

This course introduces the field of advertising and public relations. Topics include media relations; media buying; determining appropriate media; promotions; public relations and publicity development tools; methods for improving customer satisfaction; relationship-building strategies; and ethics in advertising and public relations.

Course Credit Hours

4

Corequisites

None

Prerequisites

- BUSN319 Marketing (3)

MKTG425 - Personal Selling and Sales Management

Course Description

This course examines the roles of personal selling and sales management in supporting organizations' marketing and revenue goals. Professional selling techniques such as prospecting, qualifying, listening, problem-solving, and closing and servicing clients are addressed. Students analyze customer situations and develop strategic selling approaches using personal communication and technology platforms. Coursework also addresses skills and processes required for sales management and professional development.

Course Credit Hours

4

Corequisites

None

Prerequisites

- BUSN319 Marketing (3)

MKTG430 - International Marketing

Course Description

This course provides a conceptual framework for marketing internationally, whether exporting or establishing a multi-national enterprise (MNE). Students explore development of international marketing programs, as well as various macroenvironmental factors that affect decision-making in an international setting.

Course Credit Hours

4

Corequisites

None

Prerequisites

- BUSN319 Marketing (3)

MKTG435 - Marketing Research and Analytics

Course Description

This course explores the roles of marketing research and analytics in supporting business decisions at all levels. The course presents a framework for identifying, managing and executing data-driven research to drive informed business decisions. Coursework focuses on using information from traditional and emerging sources through data visualization tools, and consumer and market feedback.

Course Credit Hours

4

Corequisites

None

Prerequisites

- BUSN319 Marketing (3)

MKTG445 - Brand Management

Course Description

Students in this course explore the impact of branding on consumers, as well as trends influencing brand preference, purchase and loyalty. Coursework addresses consumers' personal and societal identity and explores the role brands play in meeting consumer needs. Students become familiar with how brands are managed through brand research, development and extension; and with brand equity and identity. They also examine opportunities, risks and realities of branding in today's marketplace.

Course Credit Hours

4

Corequisites

None

Prerequisites

- BUSN319 Marketing (3)

MKTG455 - Current Topics in Marketing

Course Description

This course helps students build in-depth understanding of current marketing topics and trends. Coursework explores current social media and mobile communication tools and applications, as well as their use in business, marketing and digital strategy. Students examine the roles of, and relationship between, demographics and technology across various channels while exploring the impact emerging technologies can have in marketing and social responsibility and sustainability.

Course Credit Hours

4

Corequisites

None

Prerequisites

- BUSN319 Marketing (3)

Mathematics

MATH062 - Beginning Algebra

Course Description

This transitional studies course introduces critical elements of algebra for linear equations and inequalities. Coursework progresses from order of operations and combining like terms through addition and multiplication rules for solving linear equations. Students then apply these rules to inequalities. Graphing in two variables is introduced, as are exponents, polynomials and polynomial operations. The final grade earned in this course is not used in GPA calculations, and credit hours earned are not applicable to credit hours required for graduation.

Course Credit Hours

4

Corequisites

None

Prerequisites

Eligibility to enroll in the course is based on placement results

MATH111 - Integrated Math I

Course Description

This introductory course addresses basic mathematical operations involving binary and signed numbers; exponents; notations; graphing; statistics; and elementary algebra. Coursework helps students develop critical thinking skills through application of these concepts to technology-focused problems.

Course Credit Hours

3

Corequisites

None

Prerequisites

Eligibility to enroll in the course is based on placement results or on successful completion of MATH062 - Beginning Algebra

MATH114 - Algebra for College Students

Course Description

This course focuses on factoring polynomials; solving quadratic equations; systems of linear equations; radical expressions; and functions where linear and quadratic functions are emphasized using application problems and modeling.

Course Credit Hours

4

Corequisites

None

Prerequisites

Eligibility to enroll in the course is based on placement results or on successful completion of MATH062 - Beginning Algebra

MATH116 - Algebra for College Students

Course Description

This course focuses on factoring polynomials; solving quadratic equations; systems of linear equations; radical expressions; and functions where linear and quadratic functions are emphasized using application problems and modeling.

Course Credit Hours

3

Corequisites

None

Prerequisites

Eligibility to enroll in the course is based on placement results or on successful completion of MATH062 - Beginning Algebra

MATH121 - Integrated Math II

Course Description

This course builds on content presented in MATH111. Coursework addresses trigonometry and algebraic operations, including factoring, exponents, logarithms, complex numbers and equation manipulation. Students apply technology-focused problems to further develop their critical thinking skills.

Course Credit Hours

3

Corequisites

None

Prerequisites

- MATH111 Integrated Math I (3)

MATH190 - Pre-Calculus

Course Description

This course emphasizes topics that form the foundation for study of electronics, engineering technology, game and simulation programming, and calculus. Topics include analyzing and graphing quadratic, polynomial, rational, exponential, logarithmic and trigonometric functions; and developing complex solutions to problems in rectangular, trigonometric and Euler form. Students use computer software and technology to assist in problem-solving and analysis. The minimum requirement to pass this course is 70 percent, and grades of D are not assigned.

Course Credit Hours

4

Corequisites

None

Prerequisites

- MATH114 Algebra for College Students (4)

MATH200 - Quantitative Reasoning

Course Description

This course explores mathematical tools needed for calculating and interpreting data in order to make informed personal, social and civic decisions. Topics include use of numbers in everyday life to solve problems; application of logic and critical thinking; introductory statistics and probability; problem-solving with shapes; and decision-making in a group setting.

Course Credit Hours

4

Corequisites

None

Prerequisites

None

MATH201 - Quantitative Reasoning

Course Description

This course explores mathematical tools for calculating and interpreting data to make informed personal, social and civic decisions. Students analyze use of numbers in everyday life to solve problems; application of logic and critical thinking; statistics and probability; problem-solving with shapes; and decision-making in a group setting.

Course Credit Hours

3

Corequisites

None

Prerequisites

None

MATH221 - Statistics for Decision-Making

Course Description

This course provides tools used for statistical analysis and decision-making in business. The course includes both descriptive statistics and inferential concepts used to draw conclusions about a population. Research techniques such as sampling and experiment design are included for both single and multiple sample groups.

Course Credit Hours

4

Corequisites

None

Prerequisites

- MATH114 Algebra for College Students (4)

MATH226 - Statistics for Decision-Making

Course Description

This course provides tools used for statistical analysis and decision-making in business. The course includes both descriptive statistics and inferential concepts used to draw conclusions about a population. Research techniques such as sampling and experiment design are included for both single and multiple sample groups.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- MATH114 Algebra for College Students (4)
- MATH116 Algebra for College Students (3)

MATH232 - Discrete Math in Technology

Course Description

This course introduces discrete mathematics as applied to technology fields. Topics include computer logic, software algorithms, telecommunications, probability and cryptography, which students apply through coursework and assignments. Mathematical reasoning is emphasized throughout the course.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete all of the following

- TECH220 Data-Driven Decision-Making (3)

Complete at least 1 of the following

- NETW191 Fundamentals of Information Technology and Networking (3)
- NETW212 Introduction to Cloud Computing (3)

MATH234 - Discrete Math in Information Technology

Course Description

This course provides an introduction to discrete mathematics as applied to the information technology field. Areas of application include computer logic, analysis of algorithms, telecommunications, probability and cryptography. Mathematical reasoning is emphasized throughout. Computer software is used in problem modeling and solutions.

Course Credit Hours

4

Corequisites

None

Prerequisites

Complete all of the following

- NETW191 Fundamentals of Information Technology and Networking (3)

AND

Complete at least 1 of the following

- MATH221 Statistics for Decision-Making (4)
- TECH220 Data-Driven Decision-Making (3)
- TECH221 Data-Driven Decision-Making (4)

MATH265 - Applied Calculus

Course Description

This applied calculus course promotes the practical value of mathematics by reducing complicated problems to simple procedures. An emphasis is placed on interactive problem-solving, concepts and modeling that offer a flexible approach to technology.

Course Credit Hours

4

Corequisites

None

Prerequisites

- MATH190 Pre-Calculus (4)

MATH325 - Healthcare Statistics and Research

Course Description

In this course, students apply statistical analysis tools and biomedical research methodologies to health information management processes and cases. Descriptive statistics, nonparametric methods and inferential concepts are used to organize health data and present health information. Vital statistics methods and epidemiological principles are applied. The course also covers research design/methods and research protocols.

Course Credit Hours

4

Corequisites

None

Prerequisites

- HIT230 Health Insurance and Reimbursement (3)
- MATH221 Statistics for Decision-Making (4)

Networks

NETW191 - Fundamentals of Information Technology and Networking

Course Description

This course introduces foundational technologies behind networks and the internet. Students explore networking basics, including the OSI and TCP/IP models, routing protocols, switches, small network configuration, troubleshooting and network security. The course also examines how AI can be applied to network administration to automate tasks, optimize performance and enhance security, enabling administrators to focus on higher level planning and complex problem-solving.

Course Credit Hours

3

Corequisites

None

Prerequisites

- TECH112 AI in Industry (3)

Complete at least 1 of the following

- CEIS101 Introduction to Technology and Information Systems (2)
- TECH101 Technology Fundamentals (3)

NETW212 - Introduction to Cloud Computing

Course Description

This course addresses essential knowledge and skills for making informed decisions about cloud technologies and their business impact. Learners evaluate cloud computing use cases, financial implications, technologies and deployment models. The course also explores how AI can enhance cloud operations by automating manual tasks, improving efficiency and enabling smarter management of complex environments.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete all of the following

- TECH112 AI in Industry (3)

Complete at least 1 of the following

- CEIS101 Introduction to Technology and Information Systems (2)
- TECH101 Technology Fundamentals (3)

NETW260 - Intermediate Information Technology & Networking I

Course Description

This course presents the fundamentals of LAN Design including VLAN routing, network scaling, and high availability protocols. Coursework explores the interoperability of open source and proprietary switching and routing protocols.

Course Credit Hours

3

Corequisites

None

Prerequisites

- NETW212 Introduction to Cloud Computing (3)

NETW270 - Intermediate Information Technology & Networking II

Course Description

This course presents fundamentals of network design, security, and management best practices. QoS, Cloud Computing, IoT networking, and software-defined networking (SDN) are introduced.

Course Credit Hours

3

Corequisites

None

Prerequisites

- NETW260 Intermediate Information Technology & Networking I (3)

NETW310 - Wired, Optical and Wireless Communications with Lab

Course Description

Students study transmission media as one of the many sources of systems security vulnerability. The various types of media commonly used to connect computing and digital devices to networks are discussed and the significance in their consideration when planning for a secure system. All major media are discussed including copper, coax cable, fiber optic cable, wireless and microwave media. Physical and virtual systems are analyzed, implemented, and secured.

Course Credit Hours

3

Corequisites

None

Prerequisites

- NETW212 Introduction to Cloud Computing (3)

NETW314 - Cloud Computing

Course Description

This course provides an overview of the cloud environment and services. Coursework examines operating systems; container technologies; development platforms powering the cloud; software-defined networking; and data center infrastructures. Also addressed are Software as a Service (SaaS), Platform as a Service (PaaS) and Infrastructure as a Service (IaaS).

Course Credit Hours

3

Corequisites

None

Prerequisites

- NETW212 Introduction to Cloud Computing (3)

NETW350 - Cloud Services

Course Description

This course focuses on Microsoft Azure cloud services and administration, including Azure workloads, security, privacy, pricing and support. Coursework examines implementation and management of Azure identity and governance, storage, compute resources, virtual networking and resource backup. In addition, learning domains of the Azure Fundamentals and Azure Administrator Associate certification exams are reviewed.

Course Credit Hours

3

Corequisites

None

Prerequisites

- NETW314 Cloud Computing (3)

NETW351 - Cloud Architecture

Course Description

This course focuses on Amazon Web Services (AWS) architectures and solutions, including AWS common use cases, security, billing practices and support. Coursework examines design and implementation of resilient, high-performing, secure and cost-optimized architectures on AWS. In addition, learning domains of the AWS Certified Cloud Practitioner and AWS Certified Solutions Architect Associate exams are reviewed.

Course Credit Hours

3

Corequisites

None

Prerequisites

- NETW314 Cloud Computing (3)

NETW404 - Data Center Virtualization

Course Description

This course introduces data center operations, network virtualization configuration, addressing schemes, troubleshooting and configuration skills. A foundational exploration of data center concepts, including unified, or fabric, computing, is also included.

Course Credit Hours

3

Corequisites

None

Prerequisites

- NETW212 Introduction to Cloud Computing (3)

NETW411 - Information Security and Mobile Devices

Course Description

This course addresses information security on mobile devices. Topics include information to be protected; risks involved; types of mobile devices; information at rest and in motion; encryption; attack scenario vulnerabilities; and aspects of defense-in-depth controls.

Course Credit Hours

4

Corequisites

None

Prerequisites

- SEC285 Fundamentals of Information System Security (3)

NETW450 - Cloud Development

Course Description

This course focuses on developing and maintaining cloud applications on Microsoft Azure. Coursework introduces Azure Software Development Kits (SDKs), Application Programming Interfaces (APIs), container deployment, performance tuning and monitoring. Also examined is Azure compute, storage and security solutions implementation. In addition, learning domains of the Azure Developer Associate certification exam are reviewed.

Course Credit Hours

3

Corequisites

None

Prerequisites

- NETW350 Cloud Services (3)

NETW451 - Cloud Operations

Course Description

This course focuses on deploying and operating cloud applications on Amazon Web Services (AWS). Coursework introduces AWS software development kits (SDKs), service Application Programming Interfaces (APIs), Continuous Integration and Continuous Delivery (CI/CD) pipeline, and code module debugging. Also covered in detail are support and maintenance of AWS workloads, including security controls; monitoring and logging; business continuity procedures; and incident remediation. In addition, learning domains of the AWS Certified Developer Associate and AWS Certified SysOps Administrator Associate exams are reviewed.

Course Credit Hours

3

Corequisites

None

Prerequisites

- NETW351 Cloud Architecture (3)

Political Science

POLI330 - Political Science

Course Description

This course explores political systems in a comparative way, with emphasis on governmental forms, constitutions, determinants of foreign policy and methods of political change. Studies of recent political history, current world affairs and the structure of political institutions are included.

Course Credit Hours

3

Corequisites

None

Prerequisites

None

POLI457 - International Relations

Course Description

This course examines world politics as related to international conflict and security. Behavior and relationships among states are explored through case studies and real-world events. Also studied, from a global political perspective, are environmental concerns, human rights and trade issues.

Course Credit Hours

3

Corequisites

None

Prerequisites

- POLI330 Political Science (3)

Project Management

PROJ330 - Human Resources and Communication in Projects

Course Description

From a project perspective, this course focuses on leading and building teams, team performance and teams within organizations. Change management, conflict management and leading diverse teams are also addressed.

Course Credit Hours

4

Corequisites

None

Prerequisites

- PROJ404 Project Management for the Profession (4)

PROJ404 - Project Management for the Profession

Course Description

This course provides an overview of project management concepts, principles and domains. Students apply their project management knowledge to complete documents related to project stakeholders, project communications, project scope, project schedules, project budgets and project risks.

Course Credit Hours

4

Corequisites

None

Prerequisites

None

PROJ410 - Contracts and Procurement

Course Description

This course examines processes required to acquire goods and services from outside the organization in order to meet project requirements. Topics covered include procurement planning, make-or buy analyses, outsourcing decisions, requests for proposals, selecting suppliers, contract types, contract administration and procurement closeout. Students apply procurement management concepts using case study assignments.

Course Credit Hours

4

Corequisites

None

Prerequisites

- PROJ404 Project Management for the Profession (4)

PROJ415 - Project Quality Management

Course Description

This course covers concepts related to project quality management, emphasizing the benefit of incorporating process improvement and quality control tools and techniques into projects. Foundational theories and concepts related to quality management are also explored.

Course Credit Hours

4

Corequisites

None

Prerequisites

- PROJ404 Project Management for the Profession (4)

PROJ420 - Project Risk Management

Course Description

This course addresses project risk management planning, risk identification, risk analyses, risk response planning, risk response implementation and risk monitoring. Coursework is designed to help students apply project risk management concepts to develop a risk management plan. A case study assignment also provides a real-world scenario through which students identify and analyze potential risks.

Course Credit Hours

4

Corequisites

None

Prerequisites

- PROJ404 Project Management for the Profession (4)

PROJ425 - Project Management Methodologies

Course Description

This course examines and analyzes various methodologies used to manage projects, including the traditional – or waterfall – methodology and the agile methodology. Other process-based project management methodologies addressed are scrum and Kanban. Lean project management methodology and a hybrid approach to managing projects are also covered.

Course Credit Hours

4

Corequisites

None

Prerequisites

- PROJ404 Project Management for the Profession (4)

PROJ426 - AI-Driven Project Management

Course Description

This course examines how artificial intelligence (AI) technologies are revolutionizing project management practices across various industries. Students explore AI applications in task automation, predictive analytics, risk assessment and resource optimization to enhance project planning, execution and control. They also evaluate AI tools for strategic alignment, decision support and ethical considerations in project environments.

Course Credit Hours

4

Corequisites

None

Prerequisites

- PROJ404 Project Management for the Profession (4)

PROJ431 - Applied Project Management

Course Description

This course is designed to advance students' knowledge and comprehension of project management (PM) concepts including predictive and adaptive methodologies, project performance domains, project risk and project closing. Drawing on PM knowledge from this and prior courses, students create an integrated project plan using a hybrid PM methodology and collaborate to complete a team assignment.

Course Credit Hours

4

Corequisites

None

Prerequisites

Complete all of the following

- PROJ404 Project Management for the Profession (4)

Two (2) other PROJ courses

PROJ432 - Certified Associate Project Management Exam Preparation

Course Description

This course is designed to prepare students for the Certified Associate in Project Management (CAPM)® exam. Coursework addresses exam content related to project management fundamentals, plan-based methodologies, agile frameworks and business analysis frameworks. The course is offered through the Project Management Institute's Authorized Training Partner (ATP) program. CAPM is a registered mark of the Project Management Institute, Inc.

Course Credit Hours

4

Corequisites

None

Prerequisites

Complete all of the following

- PROJ404 Project Management for the Profession (4)

Two (2) other PROJ courses

PROJ435 - Project Management Technologies

Course Description

This course surveys technology used in the project management (PM) field. Tools to improve project communications and collaboration, and to enhance real-time information sharing, such as cloud efficiency and mobile technology, are evaluated. Future technology-related challenges and solutions in the PM field are also explored.

Course Credit Hours

4

Corequisites

None

Prerequisites

- PROJ404 Project Management for the Profession (4)

PROJ440 - Construction Project Management

Course Description

This course introduces steps required to manage various types of construction projects through the project life cycle phases – feasibility, design, build, test, deploy and close. Topics include the roles of construction project stakeholders including construction project managers, owners, architects, engineers, contractors, project teams, suppliers and customers. Contract types, including fixed-price, cost-reimbursable, and time and materials, are explored.

Course Credit Hours

4

Corequisites

None

Prerequisites

- PROJ404 Project Management for the Profession (4)

PROJ445 - IT Project Management

Course Description

This course covers fundamentals of managing information technology (IT) projects using agile methods to help plan and execute IT projects and achieve goals. Topics include IT project management roles; adaptive/iterative elements of roadmaps; backlogs; flow-based scheduling and prioritizing; servant leadership; and self-managing project teams.

Course Credit Hours

4

Corequisites

None

Prerequisites

- PROJ404 Project Management for the Profession (4)

Psychology

PSYC305 - Motivation and Leadership

Course Description

This course focuses on human motivation and leadership skills required to effectively manage groups and individuals. Topics include basic motivation principles, leadership styles, workplace stress and conflict, and the dynamics of group development.

Course Credit Hours

3

Corequisites

None

Prerequisites

None

Renewable Energy Engineering Technology

REET302 - Introduction to Alternative Energy Technologies

Course Description

This course addresses renewable alternative energy technologies including photovoltaics, solar thermal systems, wind power, fuel cells, hydroelectricity, the smart grid, alternative fuels, geothermal power, waste heat and biofuels. Socioeconomic, environmental, political and regulatory issues are considered. Students explore key aspects of alternative power sources and sustainable energy solutions that meet today’s power demands.

Course Credit Hours

3

Corequisites

None

Prerequisites

- ECT226 Electronic Device and System Foundations (3)
- TECH215 Introduction to Sustainability (4)

REET322 - Power Electronics and Alternative Energy Applications

Course Description

This course covers power switching circuits such as rectifiers, AC-DC and DC-DC converters, inverters and motor drives. Power semiconductor devices, thermal management, efficiency and power electronics applications are emphasized.

Course Credit Hours

3

Corequisites

None

Prerequisites

- ECT226 Electronic Device and System Foundations (3)
- TECH215 Introduction to Sustainability (4)

REET326 - Electric Machines and Power Systems

Course Description

This course presents electric machines and power systems, with emphasis on renewable energy applications. Topics include three-phase circuits, power factor correction, transformers, synchronous machines, DC motors, induction motors, power system transmission and distribution, and power flow studies.

Course Credit Hours

3

Corequisites

None

Prerequisites

- ECT226 Electronic Device and System Foundations (3)
- TECH215 Introduction to Sustainability (4)

Sciences

SCI226 - Nutrition, Health and Wellness with Lab

Course Description

This course examines nutrition’s role in supporting health while challenging common nutrition myths and misconceptions. Students apply evidence-based principles to make informed food choices, interpret nutrition information and evaluate dietary trends. They also explore how nutrients influence body function, energy and chronic disease risk, and consider social, cultural and environmental factors that shape eating behaviors. Hands-on activities and data exploration help students develop skills in analyzing dietary patterns, assessing nutrition claim credibility and using scientific evidence to support health-related decisions.

Course Credit Hours

3

Corequisites

None

Prerequisites

None

SCI228 - Nutrition, Health and Wellness with Lab

Course Description

This course examines nutrition’s role in supporting health while challenging common nutrition myths and misconceptions. Students apply evidence-based principles to make informed food choices, interpret nutritional information and evaluate dietary trends. They also explore how nutrients influence bodily functions, energy levels and the risk of chronic disease, and consider social, cultural and environmental factors that shape eating behaviors. Hands-on activities and data exploration help students develop skills in analyzing dietary patterns, assessing the credibility of nutrition claims and using scientific evidence to support health-related decisions.

Course Credit Hours

4

Corequisites

None

Prerequisites

None

Small Business Management and Entrepreneurship

SBE310 - Small Business Management and Entrepreneurship

Course Description

This course introduces students to business functions, problem areas, decision-making techniques and management fundamentals required for effectively managing a small business.

Course Credit Hours

4

Corequisites

None

Prerequisites

- BUSN115 Introduction to Business and Technology (3)

SBE330 - Creativity, Innovation and New Product Development

Course Description

This course concentrates on the processes of creativity and innovation as tools for marketers and small business managers. Students identify opportunities for using these processes and apply them to implementing and expanding product lines in corporate and entrepreneurial ventures. A structure for introducing new products is presented.

Course Credit Hours

4

Corequisites

None

Prerequisites

Complete at least 1 of the following

- BUSN115 Introduction to Business and Technology (3)
- WGD210 Digital Imaging Fundamentals (4)

SBE420 - Operational Issues in Small Business Management

Course Description

This course covers issues that are unique to small business management, including improving the success rate for new firms; financing small businesses; determining the effect of regulations on small firms; and obtaining information to improve performance.

Course Credit Hours

4

Corequisites

None

Prerequisites

- BUSN115 Introduction to Business and Technology (3)

SBE430 - E-Commerce for Small Business

Course Description

This course explores the potential of e-commerce and its impact on small business practices. Topics include opportunities, issues, alternatives and techniques to support the development of an internet marketing plan and related website.

Course Credit Hours

4

Corequisites

None

Prerequisites

Complete at least 1 of the following

- BUSN115 Introduction to Business and Technology (3)
- MGMT404 Project Management (4)

SBE440 - Business Plan Writing for Small Businesses and Entrepreneurs

Course Description

This course focuses on creating a comprehensive business plan for a small business. Coursework addresses research sources; plan presentation; follow-up; and business plan components, including executive summary, company description, target market, competition, marketing and sales, operations, management structure, future development and financials.

Course Credit Hours

4

Corequisites

None

Prerequisites

- BUSN115 Introduction to Business and Technology (3)

Social Sciences

SOCS185 - Culture and Society

Course Description

This course explores the role of culture in social organizations. Social institutions, and the issues of race and gender within social structures, are analyzed in the context of multicultural societies and increasing global interaction. Basic sociological principles and research findings are used to support analysis of cultural and social issues.

Course Credit Hours

3

Corequisites

None

Prerequisites

None

SOCS325 - Environmental Sociology

Course Description

Students in this course explore environmental issues as perceived by society. Coursework addresses cultural norms, ideologies, beliefs, and economic and gender-related factors that affect finding and providing sustainable solutions to environmental problems. Through discussions of research, problem-solving projects and presentations, students learn to identify causes of environmental problems and apply practical solutions to particular cases.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- ENGL135 Advanced Composition (4)
- ENGL136 Advanced Composition (3)

Software Information Systems

SIS110 - Operating Systems Basics

Course Description

This course presents core operating system concepts through study of Windows, Linux, mobile and virtual-based systems. Learners explore computing architectures, devices, basic scripting and command line interfaces (CLI). The course also introduces development of AI-driven operating systems (AIOS), highlighting how intelligent assistants create a user interaction through conversational and intuitive automation.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete all of the following

Complete at least 1 of the following

- CEIS101 Introduction to Technology and Information Systems (2)
- CEIS101C Introduction to Technology and Information Systems (2)
- TECH101 Technology Fundamentals (3)

Complete at least 1 of the following

- CEIS110 Introduction to Programming (3)
- TECH110 Coding and Scripting (3)

SIS150 - Fundamentals of Programming

Course Description

This course builds on foundational coding and scripting skills and introduces structured and object-oriented programming. Students design, code, test and document solutions using a general-purpose language, such as Python. The course also explores AI-assisted programming to accelerate development, improve code quality and automate routine tasks, enabling programmers to focus on more complex aspects of the software development process.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- CEIS110 Introduction to Programming (3)
- TECH110 Coding and Scripting (3)

SIS180 - Introduction to Machine Learning and Artificial Intelligence

Course Description

This course explores the power of artificial intelligence and machine learning using no-code platforms. Coursework addresses key foundations of data science and guides students in designing and building basic models and workflows to solve real-world problems in fields such as finance, healthcare and marketing. Learners apply these concepts using tools like AWS SageMaker, DataRobot, n8n and Google AutoML.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- CEIS110 Introduction to Programming (3)
- MATH111 Integrated Math I (3)
- MATH114 Algebra for College Students (4)
- MATH116 Algebra for College Students (3)
- TECH110 Coding and Scripting (3)

SIS230 - Relational Databases

Course Description

This course provides an overview of database concepts, with emphasis on relational databases. Learners engage in data modeling and database management through hands-on activities using structured query language (SQL). The course also introduces SQL AI, which integrates artificial intelligence with SQL to enhance query generation, automate tasks and support advanced data analysis.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- CEIS110 Introduction to Programming (3)
- TECH110 Coding and Scripting (3)

SIS240 - Web Programming

Course Description

This course helps learners develop web design and development skills while exploring functionality of the World Wide Web. Students build web pages using tools such as HTML, CSS, JavaScript, React, Node.js and PHP. They also assess web hosting selection and publishing strategies, and explore how AI-assisted tools can accelerate coding, personalize user experiences and optimize website performance.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete all of the following

Complete at least 1 of the following

- CEIS236 Database Systems and Programming Fundamentals (4)
- SIS230 Relational Databases (3)

AND

Complete at least 1 of the following

- CEIS110 Introduction to Programming (3)
- TECH110 Coding and Scripting (3)

AND

- TECH112 AI in Industry (3)

SIS250 - General Application Programming

Course Description

This course introduces general-purpose programming language C#, emphasizing its roots in the C programming family. Learners explore how C# is used to develop websites, applications, video games and virtual reality environments. The course also examines how the C# and .NET ecosystem supports integration of AI capabilities into existing solutions, enabling intelligent features and automation across platforms.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- CEIS150 Programming Objects (4)
- SIS150 Fundamentals of Programming (3)

SIS260 - Algorithms and Data Structures

Course Description

This course explores core data structures and algorithms as foundational building blocks of software applications. Learners modify existing programs to implement these structures and techniques, simplifying code, improving usability, boosting performance and reducing computing time. The course covers modeling strategies and approaches to solving algorithmic problems, as well as how data structures and algorithms power AI systems, and how AI tools can assist in learning and implementing these concepts more effectively.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- CEIS209 Intermediate Programming (4)
- SIS250 General Application Programming (3)

SIS300 - User Experience and Interface

Course Description

Learners in this course apply principles, strategies and tactics of user experience (UX) and user interface (UI) design. They also explore web design and responsiveness; accessibility; user behavior and psychology; and website prototyping. Students analyze how AI empowers designers to rapidly generate and iterate on concepts, accelerate testing cycles, and deliver hyper-personalized user experiences that adapt in real time to individual preferences and context.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- CIS363B Web Interface Design with Lab (4)
- SIS240 Web Programming (3)

SIS308 - Introduction to Quantum Computing

Course Description

Students in this course explore core math and algorithms behind quantum computing and apply them to real-world problems. They also examine quantum computing’s impacts across industries and society, and examine ethical implications of this emerging technology.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete all of the following

Complete at least 1 of the following

- CEIS295 Data Structures and Algorithms (3)
- SIS260 Algorithms and Data Structures (3)

Complete at least 1 of the following

- MATH221 Statistics for Decision-Making (4)
- TECH220 Data-Driven Decision-Making (3)
- TECH221 Data-Driven Decision-Making (4)

SIS309 - AI-Driven Products, Services and Platforms

Course Description

Students in this course examine using artificial intelligence (AI) and machine learning as tools for software-based products, services and platform development. Coursework and exercises are designed to help students gain and apply skills to build and deploy smart applications in the cloud. AWS application building, Amazon Lex and SageMaker are emphasized.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete all of the following

Complete at least 1 of the following

- CEIS150 Programming Objects (4)
- SIS150 Fundamentals of Programming (3)

Complete at least 1 of the following

- MATH221 Statistics for Decision-Making (4)
- TECH220 Data-Driven Decision-Making (3)
- TECH221 Data-Driven Decision-Making (4)

SIS310 - AI-Driven Business Application Coding

Course Description

This course introduces principles of artificial intelligence (AI) as well as machine learning algorithms and tools. Students apply AI and machine learning to design and implement a business solution or environment. Coursework also addresses ethics considerations and responsible practices in AI coding.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete all of the following

Complete at least 1 of the following

- CEIS150 Programming Objects (4)
- SIS150 Fundamentals of Programming (3)

Complete at least 1 of the following

- MATH221 Statistics for Decision-Making (4)
- TECH220 Data-Driven Decision-Making (3)
- TECH221 Data-Driven Decision-Making (4)

SIS320 - Business Application Programming

Course Description

This course explores Java as a general-purpose programming language. Learners apply Java to develop applications, systems, software and mobile solutions that address real-world business needs. The course also examines how to integrate AI capabilities into Java-based projects, enabling intelligent features, automation and enhanced functionality across platforms.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- CEIS150 Programming Objects (4)
- SIS150 Fundamentals of Programming (3)

SIS330 - Non-Relational Databases

Course Description

This course covers techniques for designing, managing, and administering NoSQL databases. Learners compare NoSQL and SQL models, focusing on performance, scalability and data structure. The course also explores how NoSQL supports AI by handling large volumes of unstructured data, while AI enhances NoSQL through intelligent query optimization and data modeling.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- CEIS236 Database Systems and Programming Fundamentals (4)
- SIS230 Relational Databases (3)

SIS340 - Data Visualization and Presentation

Course Description

This course examines data manipulation, visualization and presentation using tools such as Tableau and Power BI. Learners connect, source and analyze data with a focus on visual storytelling. The course also explores how AI can enhance data workflows by automating insights, refining dashboards and accelerating report generation for smarter decision-making.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- MATH221 Statistics for Decision-Making (4)
- TECH220 Data-Driven Decision-Making (3)
- TECH221 Data-Driven Decision-Making (4)

SIS350 - AI, Machine Learning and Data Science

Course Description

This course examines applied artificial intelligence (AI), machine learning and predictive analytic tools. Data analysis, methods and modeling are covered, as are deep learning and cognitive computing. Text mining and sentiment analysis are also introduced.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- MATH221 Statistics for Decision-Making (4)
- TECH220 Data-Driven Decision-Making (3)
- TECH221 Data-Driven Decision-Making (4)

SIS360 - Full Stack Development

Course Description

Students in this course explore how to create, implement and scale applications using cloud methodologies, and how to integrate AI technologies into the development process. Students apply knowledge and skills gained to develop software with front-end and back-end approaches. Application programming interfaces (APIs) that enable communication across applications are also covered.

Course Credit Hours

3

Corequisites

None

Prerequisites

- SIS110 Operating Systems Basics (3)
- SIS150 Fundamentals of Programming (3)
- SIS230 Relational Databases (3)
- SIS240 Web Programming (3)

SIS370 - 3D Modeling and Animation

Course Description

Students in this course leverage digital art and technical illustration to produce graphics and motion for extended reality (XR). Through coursework and exercises, students create and develop a range of three-dimensional (3D) content and animation for technology, healthcare and financial industries. Leveraging modeling and animation applications such as Autodesk Maya, students create 3D characters and objects.

Course Credit Hours

3

Corequisites

None

Prerequisites

- SIS240 Web Programming (3)
- SIS250 General Application Programming (3)

SIS400 - Software Engineering

Course Description

This course introduces software development management and software engineering concepts, practices and tools. The software development life cycle (SDLC), including requirements analysis, structured and object-oriented design, coding, testing, security, and maintenance, is covered. Students complete programming projects that reinforce concepts, with an emphasis on software testing and systems integration.

Course Credit Hours

3

Corequisites

- SIS360 Full Stack Development (3)

Prerequisites

None

SIS440 - Simulation and Game Programming

Course Description

This course explores using Unity Engine and C# to create two dimensional (2D) and three dimensional (3D) games. Topics include 2D and 3D mechanics and platforms, game graphical user interfaces and interactives. Mobile development and extended reality, as applied to game programming, are also covered.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete all of the following

Complete at least 1 of the following

- CIS355A Business Application Programming with Lab (4)
- SIS320 Business Application Programming (3)

Complete at least 1 of the following

- TECH180 How Technology Works (3)
- TECH204 Everyday Physics (4)

SIS445 - Simulation and Game Design

Course Description

This course explores using Unity Engine and C++ to create advanced three dimensional games. Topics include the Unity Engine, game mechanics and physics, and animation. Development and integration of graphics and audio are also covered.

Course Credit Hours

3

Corequisites

None

Prerequisites

- SIS440 Simulation and Game Programming (3)

SIS460 - Natural Language Processing

Course Description

Students in this course use natural language processing (NLP) to explore the interaction between computers and human language. Computational linguistics and language technology are presented, along with techniques to analyze, understand, utilize and/or generate human language. Students apply NLP techniques to create simple chatbots, conduct sentiment analysis and develop a basic language translator.

Course Credit Hours

3

Corequisites

None

Prerequisites

- SIS150 Fundamentals of Programming (3)
- SIS350 AI, Machine Learning and Data Science (3)

SIS465 - Large Language Models

Course Description

This course introduces large language models (LLMs) and their application. Applying course concepts, students use LLMs to analyze text, images and audio data. The course also covers various LLMs, LLM selection for specific applications, and techniques for training and tuning an LLM.

Course Credit Hours

3

Corequisites

None

Prerequisites

- SIS460 Natural Language Processing (3)

Speech

SPCH275 - Public Speaking

Course Description

This course teaches basic elements of effective public speaking. Topics include audience analysis, organization, language, delivery and nonverbal communication. Practical application is provided through a series of individual and group presentations in a variety of rhetorical modes.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- ENGL108 Composition with Lab (3)
- ENGL112 Composition (4)

Technical Communication

TC220 - Rhetorical Strategies for Technical Communication

Course Description

Students in this course use audience and context analysis, determination of purpose and other rhetorical strategies to create technical documents for persuasive and informative purposes. Major emphasis is placed on logic, argument, evidence and various appeals in producing documents containing sound reasoning and effective language. Studies include logical fallacies; social, ethical, political and practical influences; and ways of incorporating quantitative and qualitative information into documents.

Course Credit Hours

4

Corequisites

None

Prerequisites

- ENGL135 Advanced Composition (4)

TC420 - Marketing and Corporate Communications

Course Description

Students in this course apply rhetorical strategies and composition principles to create marketing literature, investor communications, media releases and executive presentations. The course includes current communication issues in business, such as globalization, cross-cultural influences, technological advances, ethics and regulatory requirements. Students develop and present oral and written reports in a variety of media and channels. Client practitioner involvement is used as available.

Course Credit Hours

4

Corequisites

None

Prerequisites

- BUSN319 Marketing (3)
- TC220 Rhetorical Strategies for Technical Communication (4)

Technology

TECH101 - Technology Fundamentals

Course Description

This introductory course is designed for those new to technology, covering foundational concepts behind the Internet of Things (IoT). Students explore key topics, including artificial intelligence, hardware, software, operating systems, networks, databases, cloud computing and cybersecurity. The course also highlights pathways to careers in technology, helping learners understand how these concepts connect to real-world opportunities.

Course Credit Hours

3

Corequisites

None

Prerequisites

Eligibility to enroll in the course is based on placement results or on successful completion of BUSN062 - Introduction to Business Communications and/or MATH062 - Beginning Algebra

TECH110 - Coding and Scripting

Course Description

This course introduces foundational coding and scripting skills, using a general-purpose language such as Python, to support automation in technology-driven products and workplace environments. Learners begin with basic computing concepts and progress to writing code and scripts that perform tasks and streamline operations. The course also explores AI-assisted coding to enhance efficiency and accelerate development.

Course Credit Hours

3

Corequisites

None

Prerequisites

Eligibility to enroll in the course is based on placement results

- MATH062 Beginning Algebra (4)

TECH112 - AI in Industry

Course Description

This course introduces foundational business concepts alongside AI technologies to prepare learners for success in modern workplaces. Topics include strategic thinking, financial literacy, stakeholder value creation and productivity tools. Learners explore AI fundamentals, including ethical use, human-AI collaboration and privacy, while gaining hands-on experience with generative AI, prompt engineering and task automation. The course also explores AI's impact on careers; future trends; and personal branding, including creation of an AI-enhanced résumé.

Course Credit Hours

3

Corequisites

None

Prerequisites

Eligibility to enroll in the course is based on placement results

- BUSN062 Introduction to Business Communication (4)

TECH114 - Connected Digital Devices

Course Description

This course covers core components of IoT devices, including hardware, software, networks, and security. Installation, configuration, and troubleshooting systems are emphasized. Learners also explore how AI and IoT combine to create intelligent, automated solutions through real-time data collection and analysis.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- CEIS101 Introduction to Technology and Information Systems (2)
- CEIS101C Introduction to Technology and Information Systems (2)
- TECH101 Technology Fundamentals (3)

TECH180 - How Technology Works

Course Description

This course introduces physics by exploring how common things and situations work. Case studies and active learning exercises illustrate essential physics concepts, theories, laws and models. Coursework also includes a virtual laboratory experience.

Course Credit Hours

3

Corequisites

None

Prerequisites

- MATH121 Integrated Math II (3)

TECH204 - Everyday Physics

Course Description

This course introduces physics by exploring how common things and situations work. Case studies, used to present course material and related active learning exercises, illustrate essential physics concepts. Coursework also examines physics theories, laws, models and hypotheses.

Course Credit Hours

4

Corequisites

None

Prerequisites

Complete at least 1 of the following

- MATH111 Integrated Math I (3)
- MATH114 Algebra for College Students (4)
- MATH116 Algebra for College Students (3)

TECH215 - Introduction to Sustainability

Course Description

This course covers sustainability issues facing society that involve water, food, energy, transportation and municipalities. Green business topics and economic development are also examined. Students study cases involving global challenges and scenarios.

Course Credit Hours

4

Corequisites

None

Prerequisites

Complete at least 1 of the following

- BUSN115 Introduction to Business and Technology (3)
- CEIS110 Introduction to Programming (3)
- TECH110 Coding and Scripting (3)

TECH220 - Data-Driven Decision-Making

Course Description

This course introduces key statistical principles and techniques for data-driven decision-making. Learners explore data collection, analysis, interpretation, and visualization, while using AI to automate workflows, detect patterns and enhance storytelling. Emphasis is placed on applying insights to real-world business challenges.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- MATH111 Integrated Math I (3)
- MATH114 Algebra for College Students (4)
- MATH116 Algebra for College Students (3)

TECH221 - Data-Driven Decision-Making

Course Description

This course explores essential principles of statistical analysis, as well as effective application of various statistical techniques. Coursework addresses methods for collecting, preparing, analyzing and interpreting data; story-telling and communicating insights; and reporting on data that drives priorities and business decision-making.

Course Credit Hours

4

Corequisites

None

Prerequisites

- MATH114 Algebra for College Students (4)

TECH231 - Introduction to Artificial Intelligence Applications

Course Description

This course explores algorithms, applications and careers in artificial intelligence and machine learning. Applications such as the Internet of Things, image processing, robotics, natural language processing and data analytics are examined.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete all of the following

Complete at least 1 of the following

- MATH221 Statistics for Decision-Making (4)
- TECH220 Data-Driven Decision-Making (3)
- TECH221 Data-Driven Decision-Making (4)

Complete at least 1 of the following

- CEIS110 Introduction to Programming (3)
- TECH110 Coding and Scripting (3)

TECH301 - Design of Experiments

Course Description

This course presents the principles and practice of design of experiments (DOE). Coursework addresses the experimentation process and guidelines for designing experiments. Proper methods of analysis and interpretation of experiment results are also covered.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- MATH221 Statistics for Decision-Making (4)
- TECH220 Data-Driven Decision-Making (3)
- TECH221 Data-Driven Decision-Making (4)

TECH305 - Technology Career Development

Course Description

Students in this course explore strategies for securing employment and/or advancement in a technology-focused field. With guidance from their professor, students complete various activities including industry certification preparation; self-assessment and goal-setting to execute a job search and/or career advancement; industry-focused career placement assessments; and portfolio building. Course deliverables include a published résumé, established social media/digital presence and a completed mock interview with feedback. Note:

With permission from an appropriate academic administrator, students may participate in a work-based learning opportunity such as an internship, apprenticeship, practicum or industry-sponsored project.

New Jersey: For students enrolled at a New Jersey location, credit hours awarded for TECH305 result in institutional credit only.

Course Credit Hours

3

Corequisites

None

Prerequisites

Successful completion of 25 semester-credit hours

TECH310 - Process Improvement

Course Description

This course introduces the two main processes of Six Sigma – DMAIC (define, measure, analyze, improve, control) and DMADV (define, measure, analyze, design, verify). General statistical principles are reviewed, as are new topics addressing principles of statistical process control. Students explore how these principles are applied to improve existing processes and create new ones.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete at least 1 of the following

- MATH221 Statistics for Decision-Making (4)
- TECH221 Data-Driven Decision-Making (4)

TECH350 - Quantum Technologies

Course Description

This course explores principles and applications of quantum sensing, communication and computing, with emphasis on their real-world impact. Students assess current capabilities, limitations and emerging industries driven by quantum innovation. The course also introduces Quantum AI, highlighting how the fusion of artificial intelligence and quantum technologies can deliver transformative societal advancements.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete all of the following

Complete at least 1 of the following

- TECH180 How Technology Works (3)
- TECH204 Everyday Physics (4)

AND

Complete at least 1 of the following

- MATH221 Statistics for Decision-Making (4)
- TECH220 Data-Driven Decision-Making (3)
- TECH221 Data-Driven Decision-Making (4)

AND

- TECH231 Introduction to Artificial Intelligence Applications (3)

TECH401 - Physics and Technology

Course Description

This course examines physics through the study of various technologies. Physics principles and mathematical analyses describing the operation of modern devices, instruments and products are presented. Students apply these principles to gain an understanding of the performance tradeoff imposed by physical limitations of various processes, devices and systems.

Course Credit Hours

3

Corequisites

None

Prerequisites

- MATH265 Applied Calculus (4)
- TECH204 Everyday Physics (4)

TECH440 - Technical Project Management

Course Description

This course presents project management concepts and focuses on skills required to manage projects common in technical career positions. Essential project management concepts and methodologies are explored within a technical management framework.

Course Credit Hours

3

Corequisites

None

Prerequisites

Successful completion of 89 semester-credit hours

TECH460 - Senior Project

Course Description

This course engages learners in a technology-focused project that integrates technical, professional and collaborative skills to produce a meaningful work product. The course culminates in a professional report and presentation demonstrating critical thinking, effective collaboration and career readiness.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete all of the following

Successful completion of 89 semester-credit hours
Permission from the appropriate academic administrator

TECH464 - Experiential Senior Project

Course Description

This course engages learners in a real-world, industry-partnered project that integrates technical, professional and collaborative skills to produce a meaningful work product. The course culminates in a professional report and presentation demonstrating critical thinking, effective collaboration and career readiness.

Course Credit Hours

3

Corequisites

None

Prerequisites

Complete all of the following

Successful completion of 89 semester-credit hours
Permission from the appropriate academic administrator

Web Development and Administration

WEB375 - Web Architecture with Lab

Course Description

This course introduces students to web architecture and connectivity. Topics include internet protocols such as transmission control protocol/internet protocol (TCP/IP); domain name server (DNS); simple mail transfer protocol (smtp), hypertext transfer protocol (http) and file transfer protocol (ftp); and design of an internet or corporate intranet infrastructure to meet specific needs.

Course Credit Hours

4

Corequisites

None

Prerequisites

- NETW191 Fundamentals of Information Technology and Networking (3)

WEB460 - Advanced Web Application Development with Lab
Course Description

This course builds on basics of design, coding and scripting, as well as database connectivity for web-based applications. Coursework introduces concepts of data interchange, message exchange and web application components.

Course Credit Hours

4

Corequisites

None

Prerequisites

- CIS407A Web Application Development with Lab (4)

Web Game Programming

WBG310 - Interactive Web Page Scripting with Lab
Course Description

Students in this course learn to program dynamic, interactive web pages and web-based games. Topics include basic programming fundamentals and object handling techniques. Fundamentals of game design are also introduced. Students use a scripting language to build basic interactive web page components and examples of web-based games.

Course Credit Hours

4

Corequisites

None

Prerequisites

- CIS363B Web Interface Design with Lab (4)

WBG370 - Game Development with Lab

Course Description

This course introduces basics of game design and development. Using an object-oriented game engine with libraries, students apply game design principles to develop example games. Technical considerations and industry best practices are also covered.

Course Credit Hours

4

Corequisites

None

Prerequisites

Complete at least 1 of the following

- CIS363B Web Interface Design with Lab (4)
- SIS240 Web Programming (3)

WBG410 - Dynamic Website Development and Database Integration with Lab

Course Description

This course introduces advanced techniques to design and develop dynamic websites through use of cascading style sheets (CSS), integration of databases, server-side scripting and large site management.

Course Credit Hours

4

Corequisites

None

Prerequisites

Complete at least 1 of the following

- CIS363B Web Interface Design with Lab (4)
- SIS240 Web Programming (3)

Web Graphic Design

WGD201 - Visual Design Fundamentals

Course Description

In this course students examine the foundation of visual design. Topics include the design process; elements of design, such as line, color, form, function and space; and combining elements for enhanced visual design. Students explore these topics through various projects and by applying concepts using appropriate software.

Course Credit Hours

3

Corequisites

None

Prerequisites

None

WGD205 - Advanced Design and Rapid Visualization

Course Description

Students in this course develop skills in creating graphic media. Students explore design and use of type, and the process of using rapid visualization for design concept and idea formulation, as well as create media that enhance user understanding.

Course Credit Hours

4

Corequisites

None

Prerequisites

- WGD201 Visual Design Fundamentals (3)

WGD210 - Digital Imaging Fundamentals

Course Description

Students in this course learn concepts of digital imaging, including editing, optimizing and preparing images for web-based delivery. Topics such as color, special effects and compression formats are examined.

Course Credit Hours

4

Corequisites

None

Prerequisites

None

WGD229 - Information Design

Course Description

This course addresses principles of analyzing, explaining and communicating instructions, as well as ideas and information used in integrated text and graphics. Using a collaborative approach, students use real-world examples to explore user-centered design.

Course Credit Hours

4

Corequisites

WGD205 or WGD210

Prerequisites

None

WGD235 - Web Animation

Course Description

This course focuses on design and production of animation within the constraints of web applications. Topics include file-size optimization, timing, formatting requirements and scripting. Automated animation techniques as well as user-mediated animation are addressed.

Course Credit Hours

4

Corequisites

None

Prerequisites

Complete at least 1 of the following

- CIS363B Web Interface Design with Lab (4)
- SIS240 Web Programming (3)

WGD242 - Advanced Web Design

Course Description

In this course, students work in teams to develop a web design for a fictitious company. Students research the company’s industry, evaluate competitors’ web designs and explore emerging web development tools that enhance production capabilities.

Course Credit Hours

4

Corequisites

None

Prerequisites

Complete at least 1 of the following

- CIS363B Web Interface Design with Lab (4)
- SIS240 Web Programming (3)
- WGD235 Web Animation (4)

WGD251 - Responsive Web Design

Course Description

This course focuses on advanced web design techniques using hypertext markup language (HTML), cascading style sheets (CSS) and other scripting methods. Topics include current trends in web design and development, and planning and producing digital projects for various types of devices.

Course Credit Hours

3

Corequisites

None

Prerequisites

- CIS363B Web Interface Design with Lab (4)

Policies

Academic Policies & Graduation Requirements

Academic Engagement

Academic engagement is active participation by a student in an instructional activity related to the student's course of study as defined by Academic Events. Academic engagement is directly tied to academic performance; therefore, regular academic engagement is required. Students may be withdrawn from DeVry or from individual courses for academic engagement violations.

This academic catalog is available on DeVry University's website and includes the academic engagement policy, which serves as notification to students of the policy. Students must adhere to the policy and check for revisions each semester. Students who may not be able to meet requirements of the policy should contact their professor or an academic dean as soon as possible.

Non-matriculated students also must adhere to DeVry's academic engagement policy.

DeVry does not have a leave-of-absence policy for its students.

Academic Events
Academic events are recorded for the purpose of determining academic engagement status.

Academic engagement is monitored via academic events as defined below.

- In an online course, an academic event is the submission of a class assignment, participation in a discussion and/or activity, or completion of an assessment.
- In a blended/hybrid course, inclusive of connected classrooms, an academic event is the submission of a class assignment, participation in a discussion and/or activity, completion of an assessment, or attendance/participation in the scheduled onsite class meeting.

Academic Engagement Drops
Students who never complete an academic event during the first two weeks of the session are dropped and precluded from requesting an extension. Students dropped from *all* courses because of lack of academic engagement are also dropped from courses in which they are enrolled for future sessions.

Last Date of Attendance
Academic engagement is monitored for all eight weeks of the session and recorded daily based on each academic event to ensure the last date of attendance is available for the purpose of determining the timeframe of attendance as well as the amounts of earned and unearned financial aid.

For online courses, academic events are tracked for the purpose of determining the last date of attendance.

For blended/hybrid courses, each scheduled class meeting is considered an academic event for the purpose of determining the last date of attendance.

Academic Engagement Warning
Students who do not complete an academic event for seven consecutive calendar days are sent an academic engagement warning notifying the students that they will be withdrawn if they do not complete an academic event by the date shown in the notification.

Students withdrawn from *all* courses because of lack of academic engagement are also dropped from courses in which they are enrolled for future sessions.

Academic Engagement Extension
Students may request a seven-day extension in which to complete an academic event by submitting a request to their professor. Students are limited to one extension request for each course during the session.

Reinstatement
Students who have withdrawn and who have extraordinary and documented circumstances may request reinstatement by providing a written request to an appropriate academic administrator.

Make-Up Work
A student is responsible for all work missed because of an academic engagement extension and must contact the professor for make-up work.

Unsuccessful Completion
Unsuccessful completion is any designator of W, F, U or I. Students who are enrolled in one or more courses in their payment period and have not successfully completed their courses are considered withdrawn for Title IV purposes and must have a return to Title IV (R2T4) calculation conducted.

If a student is considered withdrawn for Title IV purposes, the final earned grade is included in the Satisfactory Academic Progress (SAP) calculation, as appropriate (visit the Standards of Academic Progress section).

Commencement Ceremonies

DeVry University holds two commencement ceremonies each year – one in-person event and one virtual (online). In-person ceremonies are held in the Chicagoland area and include a livestream option for friends and family unable to attend onsite. Degree-seeking students must meet all graduation requirements to participate in commencement. Students completing graduate certificates only are not eligible to participate in commencement.

Specific dates and details about commencement ceremonies are available from a student support advisor or by emailing DeVry.CommencementQuestions@devry.edu.

Curriculum Changes, Review and Outcomes Assessment

Students are generally governed by graduation requirements in effect at the time of initial enrollment, provided their enrollment has been continuous. However, curriculum changes may occur, as DeVry reserves the right to change graduation requirements and to revise, add or delete courses. Consequently, curriculum changes may affect current and returning students. Curriculum changes may also affect the time needed to complete a program, as well as the

length of both normal- and minimum-time-to-complete schedules shown in the Programs section. If a change occurs, an alternate plan of study may be established for students to complete in lieu of the original requirements. Alternate plans may result in additional coursework requirements and financial obligations. Program or policy changes that affect students already enrolled are announced within a reasonable timeframe of at least 30 days before the beginning of the effective term.

Students who for any reason withdraw from, are dismissed from, or fail courses or programs may require additional coursework and incur additional financial obligations when they resume their studies.

The University also reserves the right to cancel a section of a course if enrollment is insufficient.

Students may transfer to another location within the DeVry system and retain credit for all coursework completed; however, program availability varies by location and delivery method.

Curriculum Review and Outcomes Assessment
All DeVry curricula are guided by an ongoing curriculum review and outcomes assessment process using input from students, faculty, alumni and employers. Results of such evaluations are used to enhance the curricula, student learning, and academic and administrative processes.

Deployment Policy

DeVry University recognizes the many hardships military personnel and their families face every day. We understand that military students who are deployed away from their homes, families and their permanent duty stations may experience difficulties completing their education goals and course requirements.

We encourage military students to continue their education and assure them that DeVry University will remain flexible and responsive to their needs. In support of our deployed students, we have adopted a deployment policy for all Active Duty, Reserve and National Guard students deployed or participating in required training. For this policy:

- Qualifying service in the U.S. Armed Forces includes Active Duty, Active Duty for training, and full-time National Guard duty under federal or state authority.
- Qualifying service includes state Reserve and Guard service, and mandated state training, for more than 14 consecutive days.

Employment Outside the United States

Applicants and students outside the United States or planning to move outside the United States for employment should be aware that professional standards of practice may vary by country. Persons interested in employment outside the United States are encouraged to contact the national association or regulatory agency for their field of interest.

General Graduation Requirements – All Students

To graduate and be eligible to receive the credential granted in their chosen program a student must:

- Achieve a CGPA of at least 2.00.
- Satisfactorily complete all curriculum and location-specific requirements.

- Meet the following program residency requirements:
    - Earn 50 percent of total credit hours at DeVry for students pursuing an undergraduate certificate
    - Earn 30 of the program’s total credit hours at DeVry for students pursuing an associate degree
    - Earn 25 percent of the program’s total credit hours at DeVry for students pursuing a bachelor’s degree

Note: Higher program-specific residency requirements may be imposed for internal or external transfer students.

Graduation is not permitted if the student has missing grades or if the best recorded grade for a required course is F, or the designator I, U or W. Transfer and proficiency credit fulfill graduation requirements. Grade changes are not permitted after the award has been granted. Certain exceptions apply; contact a student support advisor for more information.

Awards are conferred six times per year, at the end of each session. Students are granted their awards at the end of the session in which they satisfactorily met all graduation requirements.

Students must have all graduation requirements fulfilled by Tuesday of week 2 of the session immediately following the session in which they completed their final course requirements. The deadline for meeting certain requirements may be earlier. Requirements include – but are not limited to – ensuring that transcripts for transfer credit have been received by the University and resolving Incompletes and other outstanding grade issues. Students who fail to meet the graduation requirements deadline are granted their awards in the session in which any outstanding requirements are met.

Graduation candidates must fulfill all financial obligations to DeVry at least 30 days before commencement and complete loan exit counseling.

Active-Duty Military: Active-duty military students must earn at least 25 percent of the program's required credit hours through coursework completed at DeVry.

Active-Duty Military Students in Virginia: Active-duty military students are required to earn at least 30 percent of the program's required credit hours through coursework completed at DeVry if enrolled at a Virginia location.

Virginia: Students enrolled at a Virginia location are required to earn at least 30 percent of the program’s required credit hours through coursework completed at DeVry.

Multiple Degree Programs

Primary Program of Enrollment

A student’s first program of study is considered the primary program unless the student requests a program change (visit the Program Transfers section).

All students enrolled in site-based programs will be required to take some coursework online. Some students in certain programs and at certain locations may be required to complete a

substantial portion of program coursework online.

Pursuit of Specializations
Students must declare a specialization according to the timeframe indicated for the chosen program. Students who wish to change or add a specialization may request to do so at any time; however, they are encouraged to submit a request for such as soon as possible. In general, requests received by Sunday of the first week of the session are effective that session. Specialization changes/additions are not applicable to sessions already completed. Students who wish to pursue more than one specialization must receive approval to do so from the appropriate academic administrator. No more than three specializations may be completed within one degree program. Certain limitations may apply. All declared specializations must be completed prior to degree conferral.

Prior to graduation, students with declared specializations who subsequently wish to complete their degree program without fulfilling requirements for all declared specializations must request removal from their student records of the specialization(s) they no longer wish to pursue.

Pursuit of a Second Degree or Certificate
Students are awarded their degrees at the end of the session in which they satisfactorily met all graduation requirements. Those who wish to pursue a second DeVry degree may do so upon conferral of their first degree. Students can pursue degrees that are stackable within the same program simultaneously.

Students pursuing two degrees at the same level must contact an appropriate academic administrator to determine an approved course of study that meets the combined requirements of both degrees. If both degrees are at the baccalaureate level, the course of study must contain at least 30 semester-credit hours beyond the length of the longer of the two programs. If both degrees are at the associate level, the course of study must contain at least 20 semester-credit hours beyond the length of the longer of the two programs.

Students may pursue a maximum of three undergraduate certificates without special approval. Students interested in pursuing more than three certificates must provide a written rationale for seeking the additional credential(s) to an appropriate academic administrator for approval.

Students can enroll in only one certificate program at a time.

Students may not pursue more than one bachelor’s degree in engineering technology.

Prior Learning Credit

Upon the University’s evaluation, students with qualifying prior learning may receive credit toward graduation. As appropriate, the University awards credit for:

- Previous college coursework
- Military coursework and training experience
- Portfolio Assessment
- Professional certifications and training
- Examinations

Additionally, to facilitate ease of transferring credits among institutions, the University maintains articulation agreements with many DeVry-recognized two- and four-year colleges and universities, as well as with entities such as the military. Applicable course equivalencies resulting from these agreements are reflected on students' transfer credit evaluations. Information on agreements maintained by DeVry is available via the University's transfer guide web page.

Transfer and/or proficiency credits that satisfy graduation requirements are considered when determining a student's academic level and progress; however, these credits are not used when computing GPAs. Neither transfer nor proficiency credit is granted for the following, which must be completed at DeVry:

- COLL148, Critical Thinking and Problem-Solving
- LAS432, Technology, Society, and Culture
- Senior project courses
- Internship courses
- Courses with the CARD designator

Prior learning credit does not satisfy DeVry's residency requirement. Prior learning credit maximums are also subject to DeVry's residency requirement for the chosen program; state-specific requirements may apply (visit the General Graduation Requirements – All Students section).

Students who receive transfer or proficiency credit for a course are not automatically granted associated credit for lower-level, prerequisite and/or corequisite courses.

Acceptance of transfer courses and award of transfer credit neither imply nor ensure that all transfer credit will fully apply to students' chosen programs. Transfer courses must have been completed with grades of C (70%) or better.

Transferability of credit may be limited by programmatic accreditation and/or state requirements.

Students wishing to apply transfer credit for a Keller course must meet requirements in the Keller Graduate School of Management academic catalog.

Credit for Previous College Coursework – All Students

An applicant seeking to transfer credit from another institution must request a credit evaluation prior to beginning the first class at DeVry and must provide an official transcript from the institution where the credit was earned. An unofficial transcript may be submitted for evaluation pending receipt of official transcripts. DeVry may require a catalog or additional material or, if credits were earned at a foreign institution, a credit evaluation by an approved external evaluation service. A maximum of 80 DeVry credit hours may be awarded for lower-division or community college courses. Transfer credit maximums are also subject to DeVry's residency requirement for the chosen program (visit the General Graduation Requirements – All Students section). Students attending DeVry who seek to earn credit at another institution for transfer to DeVry must have approval to do so in advance from a DeVry academic administrator (visit the

Grading Philosophy section).

Students may request information about transcript evaluation via the University's transfer student web page. Additionally, DeVry admissions advisors/representatives and student support advisors are available to assist students with transfer credit evaluation requests.

Credit for Previous College Coursework – Block Transfer Credit for Eligible Associate Degree Holders
DeVry offers qualifying associate degree holders the opportunity to transfer a 60-credit-hour block toward a DeVry bachelor's degree program through its Transfer Advantage60 Pledge, which provides the following transfer credit options:

- **Standardized Block Credit Transfer for Eligible AA and AS Graduates**: Applicants who meet all the following requirements are eligible to transfer credits earned in the associate degree program to DeVry bachelor's degree program in Accounting, Business Administration or Technical Management:
    - Hold an associate of arts or associate of science degree from a DeVry-recognized postsecondary institution
    - Have a cumulative grade point average of at least 2.0 (on a 4.0 scale)
    - Meet all other DeVry admission requirements
    - Have selected a DeVry bachelor's degree program that directly parallels the associate degree and area of specialization.

Applicants should note that:

- Block credit awards vary by program and by state.
- Evidence of completion of specific math and English coursework is required.
- Additional coursework may be required to meet course prerequisites and/or to meet state-specific requirements for degree conferral; additional coursework may increase program length and cost.
- Academic plans are revised for students who transfer programs while at DeVry.
- Exemptions are applied for courses within the block of transfer credit awarded to eligible students (visit the Grading Philosophy section).
- Restrictions on application of block credit transfer may apply for those who hold international credentials/transcripts.

More information is available from DeVry admissions advisors/representatives.

Customized Block Credit Transfer: Applicants whose associate degree programs do not qualify them for the standardized block credit transfer may be eligible for customized block credit transfer toward DeVry's bachelor's degree program in Technical Management.

Transfer guides that provide this block credit transfer opportunity include typical distributions of credit. However, each applicant's prior credits are evaluated individually to determine applicability to a customized block of credit. Transfer guides may include programs not typically included in block credit. Those interested in transferring to DeVry should consult their associate degree academic or transfer advisor or contact a DeVry admissions advisor/representative.

More information is also available in DeVry's Transfer Guides.

An applicant whose associate-degree-granting institution does not participate in Transfer Advantage60 (TA60) may be eligible for block credit based on an individual evaluation.

Credit for Military Coursework and Training Experience
Military coursework and educational experiences are evaluated based on American Council on Education (ACE) recommendations, which may indicate that military coursework and educational experiences qualify for either transfer credit or proficiency credit. Additional information on workforce and military training recommendations is available via the National Guide to College Credit for Workforce Training and the ACE Military Guide Online, respectively.

DeVry University is proud to have a partnership with the Air University Associate to Baccalaureate Cooperative (AU-ABC) program. The AU-ABC program connects students and graduates of the Community College of the Air Force Associate in Applied Science (CCAF AAS) to accredited civilian academic institutions that offer online/distance learning educational opportunities at the baccalaureate level.

Members of the U.S. Air Force with a CCAF AAS degree are eligible for DeVry University's Bachelor of Science in Technical Management (BSTM) program. Completed CCAF associate degrees fulfill up to 60 credit hours of BSTM program requirements. CCAF graduates complete the remainder of the program, typically 62 credit hours, at DeVry.

Additional information on credit for military coursework and training experience is available from DeVry admissions advisors/representatives.

Portfolio Assessment
DeVry University offers currently enrolled students the opportunity to earn college credit for prior learning through portfolio assessment. To be eligible to submit a portfolio for assessment, students must complete a portfolio development course at DeVry, which guides them through the process of preparing and submitting a portfolio. Successful portfolios demonstrate achievement of course learning outcomes for specific DeVry courses and are awarded proficiency credit.

Portfolio Assessment Eligibility
To be eligible for credit, students must:

- Demonstrate basic English-language proficiency in one of the following ways:
- Standard placement in English by means of DeVry-administered testing, eligible ACT or SAT English scores or acceptable grades in qualifying college-level coursework; or
- Transfer of academic credit equivalent to ENGL112; or
- Successful completion of ENGL112.
- Reside in the United States. (This includes international students on an F-1 visa; however, proficiency credit hours do not count toward minimum credit hours required to be considered full-time.)
- Submit an application to a student support advisor (SSA) while enrolled and attending classes as matriculated students in undergraduate coursework for the current session and prior to the final term of enrollment.
- Submit transcripts from all previously attended postsecondary institutions and request transfer credit prior to submitting the application.

- Verify with an SSA that the course or courses for which portfolio assessment credit is being sought applies to their program requirements.
- Have satisfied DeVry University residency requirements or have enough required DeVry coursework remaining to satisfy residency requirements after portfolio assessment credit has been awarded.

Portfolio Assessment Policies

Students pursuing portfolio assessment credit must adhere to the following University policies:

- The first portfolio must be submitted no later than 90 days after enrolling in the portfolio development course.
- Prior to submitting each additional portfolio, students must submit a Portfolio Assessment Request form to an SSA.
- Students have one attempt to seek portfolio assessment credit for each DeVry course.
- Students may not appeal portfolio review decisions.
- Students may not seek portfolio assessment credit for a:
    - DeVry University course previously attempted, regardless of the grade or designator assigned to the attempt.
    - DeVry University course in which they are currently enrolled.
    - Course equivalent to one for which they have already earned credit.
- Portfolio assessment credit does not waive prerequisite or corequisite requirements associated with the credited course; prerequisite and corequisite course credits must be earned independently.
- Portfolio assessment credit is treated as proficiency credit and is limited by the residency requirement (visit the General Graduation Requirements - All Students section) and applicable state limitations noted below.
- Partial credit is not awarded for portfolio submissions.
- Students are responsible for ensuring they are not enrolled in a course for which they intend to seek portfolio assessment credit. DeVry will not refund tuition to students who pay for such a course.

Students should note that portfolio assessment may not be available for certain courses. More information is available from a student support advisor.

Students in the following states should note the limitations below:

- **California**: Students may receive a maximum of 15 semester-credit hours of experiential learning credit for the first 60 credit hours of their program and an additional 15 semester-credit hours of experiential learning credit for the second 60 credit hours of their program.
- **Florida**: Students may receive a maximum of 25 percent of the total semester-credit hours required in their degree program through portfolio assessment credit.
- **Oregon**: Students may receive a maximum of 25 percent of the total semester-credit hours required in their degree program through credit for a combination of Advanced Placement exams, challenge exams and portfolio assessment credit.
- **Texas**: Students may receive a maximum of 15 semester-credit hours of portfolio assessment credit.
- **Virginia**: Students may receive a maximum of 30 percent of the total semester-credit hours required in their degree program through portfolio assessment.

Credit for Professional Certifications and Training

As appropriate, DeVry applies proficiency credit for professional certifications and training toward students' program requirements. To determine appropriate application of proficiency credit, DeVry uses guidelines established by the American Council on Education (ACE). The University does not accept courses completed at the vocational level. Certain restrictions apply.

Students may be eligible for proficiency credit if they hold current, specific industry-recognized professional licenses or certificates such as, but not limited to:

- Certain Cisco certifications
- Certain CompTIA certifications
- Certain Microsoft certifications
- RHIT Certification

Students may also be eligible for proficiency credit if they have successfully completed certain specialized training such as Cisco Networking Academy coursework. Documentation of certifications and licenses must be provided and validated prior to evaluation. DeVry admissions advisors/ representatives and student support advisors are available to assist students in this process.

Credit by Examination

Students may earn proficiency credit for a course by successfully completing one of the following:

- **DeVry University Challenge Exam:** Students may wish to attempt a challenge exam if they feel course material has been mastered, either through coursework completed outside DeVry for which transfer credit cannot be given or through self-study. Students who have never been enrolled in the course at DeVry and have not previously attempted the challenge exam may request a challenge exam by contacting a student support advisor. Students can receive proficiency credit for a course when they score 80 percent or higher on a challenge exam. Proficiency credit is not included in grade point averages. **Note:** Challenge exams are not available for all courses.
- **External Standardized Exam:** Students may qualify to receive proficiency credit for a course by successfully completing a nationally recognized exam such as:
    - Advanced Placement (AP) test
    - College Level Examination Program (CLEP) test
    - DANTES Subject Standardized Test (DSST)
    - International Baccalaureate (IB) exam
    - American Health Information Management Association (AHIMA) course or exam

Program Transfers

Program Transfers - General

Students wanting to change their primary program must submit a program transfer request to the registrar prior to registering in coursework in the new program. Program transfers requested by Sunday of week 1 of the session are effective that session; requests after week 1 of the session are effective the subsequent session. Program transfers are not applicable to sessions already completed.

Financial aid eligibility for coursework not applicable to the current program may be limited (visit the Financial Aid Applicability to Elective and/or Alternate Courses section). Students should contact a student support advisor for more information.

Program transfers may result in students having to take additional coursework to fulfill graduation requirements of the new program. Students transferring programs may be required to sign an enrollment agreement addendum before beginning classes in the new program and are evaluated for admission and placement under the new program's admission requirements.

Internal Transfers
Credit transferability may vary based on programmatic accreditation and/or state requirements.

All students intending to transfer from one program and/or location to another must:

- Apply for permission to transfer.
- Meet all admission requirements of the intended program and location.
- Meet all graduation requirements for the intended program and location in order to graduate.

New Jersey Statewide Reverse Transfer Agreement
DeVry University participates in the New Jersey Statewide Reverse Transfer Agreement. Reverse transfers allow eligible students to apply DeVry University credits to complete their New Jersey community college associate degree. Students who transferred to DeVry before completing their associate degree at a New Jersey community college may be eligible for reverse transfer; additional eligibility requirements apply.

Students who are interested should contact a student support advisor for information about eligibility requirements and the process to send their DeVry transcripts to their community college.

Location Transfers
Students requesting a location transfer must submit the Request for Home Location Update form to the registrar. Students approved for transfer must meet all graduation requirements of the intended state, based on their residence, in order to graduate. Students on financial aid probation (academic probation) or disciplinary probation remain on probation after the transfer.

Students who relocate while enrolled at DeVry University may be unable to complete their program if relocating to a state where DeVry is not authorized to offer a particular program. Prospective students should contact their admissions advisor/representative to discuss how relocation could affect their ability to complete their program; current students should contact a student support advisor if they are considering relocating during their course of study.

There may be consequences, such as ineligibility for financial aid, for applicants and students who relocate to a state where DeVry is not authorized. There may also be program limitations, even in states where DeVry is authorized; applicants/students may not be able to apply to, continue in or transfer to a particular program, as not all programs may be approved by a state authorization agency. Visit the State Authorization section for additional information.

Transfers to Other Institutions
Course credits are not guaranteed to transfer to other schools. Acceptance of credits is subject to the receiving institution's requirements.

Note to California residents' transferability of credits and credentials earned at our institution: The transferability of credits you earn at DeVry University is at the complete discretion of an institution to which you may seek to transfer. Acceptance of the academic credential you earn in your program of study is also at the complete discretion of the institution to which you may seek to transfer. If the credits or academic credential that you earn at this institution are not accepted at the institution to which you seek to transfer, you may be required to repeat some or all of your coursework at that institution. For this reason, you should make certain that your attendance at this institution will meet your educational goals. This may include contacting an institution to which you may seek to transfer after attending DeVry University to determine if your credits or academic credential will transfer.

Certain DeVry courses are specifically tailored to meet the needs of DeVry students; credits earned in these courses may not transfer in full to other institutions.

Academic Program Transfer During Financial Aid Warning (Academic Warning)/Financial Aid Probation (Academic Probation)/Dismissal
Students transferring to a different academic program maintain their current academic standing.

- A student on financial aid warning (academic warning) or financial aid probation (academic probation) who transfers to a different academic program enters the new program and continues under this status.
- A student who has been dismissed and wishes to enroll in another academic program must appeal to the academic administrator of the intended program. If the appeal is approved, the student must meet financial aid probation (academic probation) conditions in Requirements for Students Starting the Semester on Financial Aid Warning (Academic Warning) or Financial Aid Probation (Academic Probation).
- Academic standing for a student who transferred to a different academic program but then returns to the original academic program is based on performance in all enrolled semesters and on all DeVry coursework at the undergraduate level.

Withdrawals & Resumptions

Students may withdraw from a course by making a formal request. Students must communicate withdrawal requests to a student support advisor (Student Central) or to an appropriate academic administrator, verbally, by email or by submitting a request through the student portal. Withdrawal requests received through Student Central are submitted to the Office of the Registrar for processing. Students who inquire about a withdrawal are contacted to confirm their intention to withdraw. Verbal withdrawal requests will be documented by the University. Students who fail to academically engage in their course(s) for 14 consecutive calendar days are administratively withdrawn. In addition, withdrawal requests for students who attend a blended/hybrid course, or who participate in an online course, after submitting and/or confirming a withdrawal request are considered to have revoked their withdrawal request.

DeVry University may also initiate a withdrawal through written notice for reasons including, but not limited to, lack of academic engagement (attendance); violations of the Student Code of Conduct and/or academic integrity policies; or behavior that threatens the safety or orderly operations of the University.

The effective date of a student’s withdrawal is the student's last date of attendance.

Students withdrawn from all courses because of lack of academic engagement are dropped from courses in which they are enrolled for future sessions. The designator of W appears on the transcript of a student who formally withdraws from an individual course as well as on the transcript of a student who withdraws from all courses.

The withdrawal deadline is 11:59 pm MT on Friday of week 7. Withdrawal is not allowed after this time.

Military Withdrawal
Regarding military withdrawals, special considerations are granted for:

- Active Duty, Reserve and National Guard students deployed or participating in required training for federal Active Duty service for their assigned period of service (Section 101 of Title 10) or in enlistee training/bootcamp.
- Students participating in state Active Duty or training for more than 14 consecutive days.

The student or designated officer in the student's chain of command must notify the student's student support advisor or registrar of a deployment situation that would require special consideration. A brief overview of the DeVry University Military Deployment policy is available, as is additional information from a student support advisor.

Interruption of Study/Withdrawal
Students who must interrupt studies during a semester or who defer starting the next semester must follow the University's official withdrawal procedure, which includes completing loan exit counseling. Students who cannot complete required procedures should contact an academic administrator as soon as possible.

Resumption of Study
Students who resume after an interruption of studies should note that course availability may vary by session. Because program requirements may change periodically, an academic administrator will assess resuming students' academic records to determine whether an alternate plan of study is required. Alternate plans may result in additional coursework requirements and financial obligations.

Resuming students who have missed at least six consecutive sessions must request readmission through standard admission procedures.The University reserves the right to refuse admission or readmission to any applicant or student when it is deemed in the best interest of the University to do so or if the University determines the applicant may not be able to benefit from the University's instruction. Students wishing to be readmitted into the University may be required to submit an appeal or documentation. Admission to the University does not constitute automatic continuation in future semesters. The University reserves the right to refuse admission or continuation to any student.

A person seeking readmission must:

- Complete and submit an application for admission. The application fee is waived for these individuals.

- Complete an interview with an admissions advisor/representative.
- Meet all admission requirements in effect at the time of readmission.

Students previously pursuing a DeVry associate degree who wish to resume and pursue a bachelor's degree must submit a new application and are evaluated for admission and placement under the desired program's admission requirements. Students with an outstanding balance on their DeVry student account are not permitted to resume.

Financial Information

Cancellations & Refunds

Applicants who do not achieve a satisfactory score on DeVry's placement examinations are denied admission, notified in writing and receive a refund of prepaid tuition upon written request.

Applicants may cancel their enrollment without penalty prior to midnight of the 10th business day after the date of transaction or acceptance (cancellation period). After the cancellation period, the application fee is not refunded. The deadline is extended to 30 days after the original intended class start date if the applicant does not start at that time.

If the University cancels or discontinues a program, or ceases operations, prior to a student's completion of the program, refunds will be issued in accordance with applicable law.

California residents: Visit the California state-specific refund policy for details.

A student who cannot start on the original class start date must notify a DeVry admissions advisor/representative. If the student starts classes within six sessions of the original intended start date, a second application fee is not required. After this period, a new enrollment agreement must be signed and accompanied by required fees.

A student who does not report for class may request a refund of any monies paid to DeVry over and above the application fee, or as required by applicable state and/or federal regulations. Refunds on textbooks and supplies purchased through the University's online bookstore are made in accordance with the online bookstore's return/refund policy.

Costs for other educational materials, digital content and supplies may be nonrefundable once accessed or used, or after the start of the course, as specified in the enrollment agreement and academic catalog.

To receive a tuition adjustment, students must make all schedule changes by the end of week 1 of a session (add/drop period).

After classes begin, students may withdraw from a course by formally requesting a course withdrawal prior to Friday of week 7 at 11:59 pm MT. In addition, those receiving federal student loans must complete a loan exit interview with a student support advisor prior to withdrawing. Students who withdraw are responsible for all outstanding financial obligations.

Regarding cancellations, any prepaid fees or tuition are refunded unless the student transfers to

another DeVry location.

In compliance with applicable requirements, DeVry issues refunds to students who withdraw from a course prior to completing a session. Refund calculations are based on week of withdrawal, DeVry's policy and the policy of the student's original state of residence. Of the refund amounts calculated, the one most favorable to the student is issued. In all cases, policies are applied to tuition charged for the period of enrollment from which the student withdrew.

Refunds are calculated according to the last documented date of attendance and issued within 30 days of the withdrawal notification date, or the date DeVry determines the student is no longer enrolled, whichever is earlier.

At a minimum, refunds are calculated as follows:

Week of Withdrawal	Percent Refund of Tuition, Less $50 Per Course Administrative Fee
Week 1	90%
Week 2	75%
Week 3	25%
Weeks 4-8	0%

Refund policies vary by state and the most beneficial institutional or applicable state policy is used to calculate the tuition refund. (Visit the State-Specific Refund Policies)

Federal Return of Funds

Federal return of funds must be performed if a student receiving financial aid withdraws completely from all classes after the start of the enrollment period. Length of enrollment is equal to the number of calendar days, including weekends and holidays, in the periods in which the student was registered. However, according to federal regulations, a federal refund calculation excludes breaks of five or more days.

The withdrawal date is the date the student begins the official withdrawal process by notifying the institution electronically, in writing, in person or by telephone, whichever is earliest, or otherwise officially notifies the institution of their intent to withdraw. For a student who withdraws without notification, the University uses the last date of attendance as the withdrawal date.

Return of funds is calculated as follows:

- If the student's percentage of enrollment period completed is greater than 60 percent, the student has earned – and must repay – 100 percent of the federal aid received.
- If the student's percentage of enrollment period completed is 60 percent or less, the calculated percentage of enrollment is used to determine the amount of aid returned.

Return of funds occurs in the following order:

1. To the Federal Direct Unsubsidized Loan program
2. To the Federal Direct Subsidized Loan program
3. To the Federal Direct PLUS loan program

4. To the Federal Pell Grant program
5. To the Iraq and Afghanistan Service Grants program
6. To the Federal Supplemental Education Opportunity Grant (FSEOG) program
7. To other Title IV aid programs
8. To state grant programs, and/or to private or other institutional aid programs
9. To the student

Return of Military Tuition Assistance

In accordance with U.S. Department of Defense requirements, when a student using Military Tuition Assistance withdraws from a course or enrollment period before completing 60 percent of the applicable enrollment period, the University will return unearned tuition assistance funds to the appropriate military service.

The amount of tuition assistance earned is calculated on a daily pro rata basis through the 60 percent point of the enrollment period. The percentage of the enrollment period completed is determined by comparing the number of days the student completed to the total number of days in the applicable enrollment period. The University will return the unearned portion of tuition assistance to the appropriate military service.

The return of tuition assistance funds may create or increase a balance due on the student's account. **Any balance remaining on the student's account because of the return of tuition assistance is the student's responsibility.** Students who must withdraw because of deployment should visit the Deployment Policy section.

Once a student has completed at least 60 percent of the applicable enrollment period, 100 percent of the tuition assistance received for that enrollment period is considered earned, and no tuition assistance funds are returned under this policy.

This policy applies specifically to Military Tuition Assistance funds and is separate from any other institutional refund, withdrawal or financial aid return policies that may apply.

Veterans Affairs Education Benefits – Withdrawal and Benefit Adjustments

Students using U.S. Department of Veterans Affairs (VA) education benefits are certified for enrollment to the VA based on the enrollment period.

Students using VA education benefits are certified for enrollment to the VA for, and are expected to remain enrolled through the end of, each 8-week session. If a student withdraws or otherwise does not remain enrolled through the end of a certified session, the University will report the applicable enrollment change and last date of attendance to the VA in accordance with VA reporting requirements.

An enrollment change or withdrawal reported to the VA may result in an adjustment to the student's VA education benefits. Depending on the circumstances and the VA's determination, the adjustment may result in a debt owed to the VA by the student and/or the University. Any resulting balance on the student's University account that is the student's responsibility remains due in accordance with applicable University policies.

F-1 Student Tuition Deposits, Payments and Transfer-Out Fees

F-1 students do not qualify for Title IV funding (financial aid) and are therefore classified as full-cash students. It is F-1 students' responsibility to ensure all financial obligations are met prior to the start of every session. F-1 students should contact their Designated School Official or location contact if they have questions related to tuition payments.

Tuition Deposit F-1 Initial I-20 Applicants

A refundable tuition deposit equivalent to the cost of 12 semester-credit hours, charged at the current standard tuition rate, is required from F-1 Initial I-20 applicants prior to entering their first semester at DeVry. The deposit is due after an applicant's F-1 visa has been approved by the U.S. consulate or embassy abroad and prior to the applicant's entry into the United States. The tuition deposit is applied to tuition charged for the student's first semester and refunded (less fees) if the applicant subsequently cancels enrollment.

Regarding tuition payments:

- ***F-1 Transfer and Change of Status I-20 Applicants:*** A tuition payment equivalent to the cost of 6 credit hours for the session, charged at the current standard tuition rate, is required from F-1 Transfer and Change of Status I-20 applicants. This payment is due prior to the start of their first session and is required before registering for classes.
- ***F-1 Continuing Students:*** Payments for tuition and fees must be made by Friday of week 8, prior to the start of a new session. No exceptions will be made in reference to this policy. Future balances must be paid in full for the upcoming session for which the F-1 student is enrolled.

Failure to make full payment prior to the start of a session makes F-1 applicants/students ineligible for enrollment in that particular session. Failure to enroll in classes causes applicants/students to fall out of status and may result in termination of their Student and Exchange Visitor Information System (SEVIS) record.

Transfer-Out Fee for F-1 Students

Beginning at the time Form I-20 is issued, F-1 students seeking to transfer from DeVry University to another SEVP-certified institution prior to completing their program are charged a **$250 administrative fee**. DeVry is responsible for overseeing the SEVIS record, which must be transferred when students change schools. The administrative fee applies to students seeking external transfer only. The fee does not apply to students seeking transfer to a different DeVry location.

Financial Assistance

DeVry University helps students develop plans for financing their education through a combination of financial assistance programs (if eligible), family contributions, employer tuition reimbursement (when available) and DeVry's payment options (visit the Payment Options section).

The first step toward qualifying for these programs is completing the Free Application for Federal Student Aid (FAFSA®), which serves as an application for all federal – and most state – student aid programs. The FAFSA® can be completed electronically via https://studentaid.gov/h/apply-for-aid/fafsa and should be completed as early as possible each year.

The FAFSA® generally becomes available October 1 each year.

- 2026-2027 FAFSA®: The 2026-2027 FAFSA® became available in late September 2025. Though the application period runs through June 30 the following year, students are encouraged to apply for financial aid every year by the priority deadline, March 1, as funding for certain aid programs is awarded on a first-come, first-served basis and may be exhausted. For specific deadlines for 2026-2027 federal and state aid programs visit https://studentaid.gov/apply-for-aid/fafsa/fafsa-deadlines. Students should complete the 2026-2027 FAFSA® using 2024 income tax information.
- 2027-2028 FAFSA®: The 2027-2028 FAFSA® became available in late September 2026. Though the application period runs through June 30 the following year, students are encouraged to apply for financial aid every year by the priority deadline, March 1, as funding for certain aid programs is awarded on a first-come, first-served basis and may be exhausted. For specific deadlines for 2027-2028 federal and state aid programs visit https://studentaid.gov/apply-for-aid/fafsa/fafsa-deadlines. Students should complete the 2027-2028 FAFSA® using 2025 income tax information.

2026-2027 and 2027-2028 FAFSA® information is used to determine the Student Aid Index (SAI), and eligibility for federal and state financial aid. Financial aid eligibility is calculated by subtracting the SAI and Other Financial Assistance (OFA) from the cost of attendance.

Assistance packages are developed using FAFSA® information and any supplemental documents. Contributions from student and family income and assets form the foundation for all assistance packages. DeVry provides students with award letters indicating the amount of financial aid for which they may be eligible, sources from which the aid may be received as well as approval of their DeVry University payment plan option.

The timing of financial aid disbursements is dependent on specific program requirements. For awards to be disbursed, the following requirements must be met:

- All paperwork required to process awards – including promissory notes, and verification and residency documents – must be submitted.
- Students must be enrolled in class.
- First-time borrowers at DeVry must complete loan-entrance counseling.
- Students transferring to DeVry must provide official transcripts for University verification.

Disbursements occur throughout the session, generally beginning Saturday of week 1 of classes. Disbursement is based on each student's account information. More information is available via the Student Finance tab on the University's student portal.

Retaking previously passed coursework may impact students receiving certain forms of financial assistance. Students who plan to retake a previously passed course should contact a DeVry student support advisor prior to registering for the course to determine if their financial aid will be affected.

Reinstated and readmitted students may be considered for financial aid if they meet all eligibility requirements.

DeVry complies with all applicable state and federal equal credit opportunity laws; however, DeVry does not guarantee financial assistance or credit to any student.

FAFSA® is a registered trademark of the U.S. Department of Education.

Financial Aid Information Verification
Financial aid information verification is a federally mandated process requiring institutions to confirm specific data reported on a student's Free Application for Federal Student Aid (FAFSA®). Verification helps ensure accuracy of FAFSA® information submitted and protect the integrity of federal student aid programs.

Students may be selected for financial aid information verification by the U.S. Department of Education or by an institution of higher education if conflicting data is found. Students selected for verification are notified via their Student Aid Report (SAR), as well as by email and in the student portal, and must submit required documentation. Documentation may include a completed Institutional Verification Worksheet; proof of income (e.g., federal income tax return or W-2 tax form); proof of non-filing status; and a valid, unexpired government-issued photo ID for verification of identity. All requested documents should be submitted promptly; federal regulations require submission within 120 days of the student's last day of attendance or by the federal deadline for the award year. Failure to meet the deadline results in loss of eligibility for federal financial aid and may lead to the student's responsibility for institutional charges incurred.

Students who must verify their identity must complete the verification process either in person or through a secure online process.

Financial Aid Applicability to Elective and/or Alternate Courses
Students receiving financial aid are expected to enroll in courses that meet requirements of their academic program; financial aid eligibility for coursework not applicable to the current program may be limited. Students who wish to replace/substitute a course in their current program must obtain prior approval for a course substitution in order for the course to be financial aid eligible.

Loan Exit Counseling
Federal student aid regulations require all borrowers to complete loan exit counseling for their Federal Direct and/or Federal Perkins Loans. Students must complete loan exit counseling when graduating, leaving DeVry or enrolling for fewer than six credit hours. Loan exit counseling notifications are provided to all identified students. DeVry contacts student borrowers via email or postal mail to advise them on how to complete loan exit counseling.

Federal Student Aid Programs
FAFSA® is a registered trademark of the U.S. Department of Education.

There are three categories of federal financial assistance:

- Grants are aid that does not need to be repaid.
- Loans are aid that must be repaid, but generally not until students have graduated or stopped attending school at least half-time.
- Federal Work-Study provides wage subsidy for part-time education-related, or student or

community service, employment.

Students are eligible for aid if they:

- Are enrolled as regular students in an eligible program.
- Are U.S. citizens or eligible noncitizens.
- Demonstrate financial need.
- Make satisfactory academic progress toward completing their program.
- Are not in default on a Federal Perkins/NDSL, Federal Direct, Federal Stafford/FFEL, Federal SLS, Income Contingent Loan or Federal PLUS Loan received at any institution.
- Do not owe refunds on a Federal Pell Grant, FSEOG, Academic Competitiveness Grant, National SMART Grant or State Student Incentive Grant received at any institution.

To help students pay for postsecondary education, the U.S. Department of Education offers six primary federal financial aid programs. DeVry University is eligible to participate in all six, which are outlined below. More information on these programs is available by contacting a student support advisor or visiting DeVry's website.

Non-Federal Student Loans

Many lenders offer private loans to students to supplement their federal financial aid. Such loans are not subject to federal student loan rules. Terms of repayment, including interest rates, vary by loan. Lenders perform a credit check and determine a loan applicant's creditworthiness before approving these loans. In some cases, a loan applicant may be required to obtain a creditworthy cosigner before a loan will be approved. In most cases, having a cosigner improves the terms of the loan (i.e., lowers the interest rate and any fees charged to the loan). Additional information and application assistance are available from a DeVry student support advisor.

Applicants who are incarcerated, and students who become incarcerated, must immediately report this information to a student support advisor.

Federal Direct Subsidized and Unsubsidized Loans, and Federal Direct PLUS Loans

Loans through the Federal Direct Loan program are obtained from the U.S. Department of Education. These loans have an origination fee, which is subtracted from the value of each loan disbursement. For loans first disbursed between October 1, 2020, and September 30, 2027, origination fees are:

- Federal Direct Loans: 1.057 percent
- Federal Direct PLUS Loans: 4.228 percent

Additional information on Federal Direct Loans interest rates and fees is available via https://studentaid.gov/understand-aid/types/loans/interest-rates.

Federal Direct Loans

Students who demonstrate financial need qualify for a subsidy of the Direct Loan interest while in school and for the grace period (first six months after leaving school or dropping below half time). The portion of the loan that may be subsidized is limited to the lesser of their demonstrated financial need or the academic year maximum. Students who demonstrate financial need below the academic year maximum may also borrow through this program; however, they are responsible for the interest on the amount borrowed in excess of demonstrated need.

Undergraduate freshman, sophomore and junior/senior students enrolled at least half time may

borrow subsidized (need-based) and unsubsidized Federal Direct Loans. The table below includes amounts per grade level and loan type, as well as lifetime loan limits. The interest rate for subsidized and unsubsidized undergraduate Federal Direct Loans first disbursed on or after July 1, 2025, and before July 1, 2026, is fixed at 6.39 percent. The interest rate for subsidized and unsubsidized undergraduate Federal Direct Loans first disbursed on or after July 1, 2026, and before July 1, 2027, is fixed at 6.52 percent. Students begin repaying loans six months after ceasing to be enrolled at least half time. Monthly payments are based on aggregate borrowing; the minimum monthly payment is $50 per loan. Repayment is usually completed within 10 years. Students who leave school or drop below half-time status must contact their lenders to establish repayment schedules.

The table below provides annual loan limits, by borrower or loan type, for subsidized loans, unsubsidized loans and Parent PLUS loans, as of July 1, 2026:

Borrower Level	Dependent Student Limit	Independent Student Limit
First-Year Undergraduate	$5,500 – No more than $3,500 of this amount may be in subsidized loans	$9,500 – No more than $3,500 of this amount may be in subsidized loans
Second-Year Undergraduate	$6,500 – No more than $4,500 of this amount may be in subsidized loans	$10,500 – No more than $4,500 of this amount may be in subsidized loans
Third-Year and Beyond Undergraduate	$7,500 – No more than $5,500 of this amount may be in subsidized loans	$12,500 – No more than $5,500 of this amount may be in subsidized loans
Parent PLUS Loan (Borrower is parent of dependent student)	$20,000	N/A
Graduate Student	N/A	$20,500 – unsubsidized loans only

The table below provides maximum aggregate and lifetime limits for subsidized loans, unsubsidized loans and Parent PLUS loans, as of July 1, 2026:

Borrower Level: Aggregate and Lifetime	Dependent Student Limit	Independent Student Limit
Undergraduate Student Aggregate Limit	$31,000 – No more than $23,000 of this amount may be in subsidized loans	$57,500 – No more than $23,000 of this amount may be in subsidized loans
Graduate Student Aggregate Limit	N/A	$100,000
Parent PLUS Loan Aggregate Limit (Borrower is parent of dependent student)	$65,000	N/A
Lifetime Loan Limit Note: Amount inclusive of all loans student has borrowed, including Graduate PLUS loans. Amount is cumulative; any amount repaid will not reduce limit.	$257,500	$257,500

Students must notify a DeVry student support advisor and their lender(s) of a change in local or permanent address.

Students who obtain a student loan of any type to pay for an educational program are responsible for repaying the full amount of the loan, plus interest, less the amount of any refund (i.e., return of funds to the loan program). Their degree of success at DeVry University does not change this legal obligation.

Federal Direct PLUS Loans (Parent Loans)
These loans allow parents of students who are dependent by federal definition to borrow a maximum of $20,000* per academic year (two semesters). The interest rate for Direct PLUS Loans first disbursed on or after July 1, 2025, and before July 1, 2026, is fixed at 8.94 percent. The interest rate for Direct PLUS Loans first disbursed on or after July 1, 2026, and before July 1, 2027, is fixed at 9.07 percent. Repayment begins within 60 days after the loan is fully disbursed.

*__Note:__ Students who were enrolled in a program of study as of June 30, 2026, remain enrolled in that program and received a federal loan for that program may be considered legacy borrowers. Legacy borrowers are not subject to the annual and aggregate Parent PLUS loan limit. Legacy borrowers may borrow a maximum of education costs less financial aid per academic year (two semesters).

Financial Aid Applicability to Elective and/or Alternate Courses
Students receiving financial aid are expected to enroll in courses that meet the requirements of their academic program; financial aid eligibility for coursework not applicable to the current program may be limited. Students who wish to replace/substitute a course in their current

program must obtain prior approval for a course substitution in order for the course to be financial aid eligible.

Payment Options

Payment Options

Students' full account balances are due at the beginning of each session.

Though students may pay their full account balance in one payment, they may take advantage of one of the payment plans outlined below. Such students must submit a completed payment plan agreement. A new agreement is required should students wish to change plans.

Further information is available from a DeVry student support advisor. Delinquent payments may result in loss of payment plan privileges and registration holds.

Deferred Plan

Available to students using employer tuition reimbursement, and whose employers submit a tuition-reimbursement statement on students' behalf, the Deferred Plan enables tuition and fees to be deferred until Thursday of week 5 of the subsequent session.

Direct Bill Plan

Available to students for whom an employer or third party (e.g., state, VA, etc.) will be paying DeVry directly for tuition and fees, the Direct Bill Plan allows the employer or third party to delay full payment of tuition and fees until Friday of week 7 of the third subsequent session.

Students using a third-party form of payment (e.g., Chapter 33 Post 9/11 GI Bill®2, Chapter 31 Veteran Readiness and Employment, state workforce programing, employer tuition coverage, etc.) will not be penalized by holds, interest or late fees while payment for the students' covered balance is pending receipt by the institution.

To enroll in the Direct Bill Plan, students must submit documentation of eligibility for the direct billing arrangement offered by their company or the third party. Acceptable documentation includes a:

- Certificate of Eligibility for entitlement to educational assistance under Chapters 33 or 31, or
- "Statement of Benefits" obtained from the Department of Veterans Affairs' website, https://www.benefits.va.gov/gibill, or
- VA Form 28-1905 for Chapter 31 authorization, or
- Completed Corporate Education Program form for all other third-party methods.

Enrollment in this payment plan does not eliminate students' responsibility to ensure tuition is paid by the due date (Friday of week 7 of the third subsequent session – 180 days) whether they are in active or inactive enrollment status.

More information is available in the Financial Assistance section and the Scholarships and Grants section.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More

information about education benefits offered by VA is available at the official U.S. government Web site at https://www.benefits.va.gov/gibill/.

Scholarships and Grants

Basic Scholarship and Grant Eligibility

To qualify for a DeVry University scholarship or grant, students must have met DeVry entrance requirements and applied for admission. They must also meet criteria outlined for each grant award. Additional criteria may also need to be met. Learn more by visiting the University's scholarships and grants web page.

DeVry Grants

Students may participate in one DeVry-based grant or group pricing program only. If students qualify for more than one such program, the one most beneficial is awarded. Prior to starting classes at DeVry, students who qualify for and prefer a different grant or group pricing program must confirm, in writing, the alternate program in which they wish to participate. In rare cases grant or group tuition pricing programs are combinable. Students are made aware of such opportunities by their admissions advisor/representative or student support advisor.

Applicants may apply for DeVry University grants during the admissions process and should work with their admissions advisor/representative to do so.

General Scholarship and Grant Policies

- Recipients are responsible for all education expenses not provided for by their scholarship or grant.
- Applications for scholarships or grants must be received by Saturday of week 2 of the first session, unless otherwise noted in the criteria. Award recipients must start in the intended term specified on their admissions application. Recipients who do not start in their intended term have their award expired and must reapply for offerings available at the time of actual enrollment.
- DeVry scholarships and grants are applied to eligible charges outlined in the terms and conditions document provided to scholarship recipients.
- To qualify for scholarship and grant funds, students must meet continuing eligibility requirements outlined in the terms and conditions document sent to award recipients.
- Recipients must acknowledge receipt of the terms and conditions document pertaining to their specific scholarship and/or grant award. Disbursement of funds may be delayed until receipt of this document is acknowledged in writing and returned by recipients.
- Scholarship and grant recipients are expected to progress in a timely manner toward completing their program of enrollment. The registrar determines continued academic eligibility at the end of each semester of enrollment. To retain scholarship and grant eligibility, recipients must meet additional conditions outlined in the terms and conditions document sent to them.

Students may participate in only one DeVry-based grant or group pricing program. If students qualify for more than one such program, the one most beneficial is awarded. Prior to starting classes at DeVry, students who qualify for and prefer a different grant or group pricing program must confirm, in writing, the alternate program in which they wish to participate. In rare cases, grant or group tuition pricing programs are combinable. Students are made aware of such opportunities by their admissions advisor/representative or student support advisor.

Federal Pell Grants
Federal Pell Grants help fund postsecondary education for undergraduate students who have not previously earned bachelor's degrees. These grants provide a foundation of financial aid to which aid from other sources may be added. The maximum grant for the 2026-2027 award year is $7,395.

In accordance with the Higher Education Act, DeVry University allows all students to purchase books and supplies from the University's online bookstore and charge the expenses to their student accounts. Federal Pell Grant recipients who do not wish to purchase books and supplies from DeVry's online bookstore may qualify for a stipend to assist with these expenses. To determine stipend eligibility, students must complete the Books and Supplies Stipend Request form prior to the start of the session. More information is available from a DeVry student support advisor.

Federal Supplemental Educational Opportunity Grants (FSEOGs)
FSEOGs provide supplemental funds to Federal Pell Grant-eligible undergraduate students who demonstrate exceptional need. Exceptional need is defined as the lowest expected family contribution per federal need analysis methodology. Because FSEOG funds are limited, students should complete the FAFSA® as early as possible.

Federal Work-Study (FWS)
FWS enables students who demonstrate financial need to earn aid to pay for their education expenses. Students earn at least the current hourly minimum wage by working at the University, for nonprofit agencies, in jobs in community service or for for-profit businesses. DeVry helps eligible students locate jobs; certain restrictions apply. FWS earnings are exempt from the subsequent year's expected family contribution calculations. Students must complete the FAFSA® to be considered for FWS funds.

AmeriCorps
Education awards earned through service in AmeriCorps, a program enabling Americans to perform community service in local projects, may be used to help pay education costs. These awards also may be used to repay educational loans. Students may work on AmeriCorps-approved projects either full or part time, before, during or after attending a postsecondary institution. Further information is available via https://americorps.gov/serve.

State Funded Programs
In addition to federal financial assistance, state grant, scholarship and loan programs may be available, providing funding to students who demonstrate financial need or who have successfully achieved certain academic qualifications. Typically, state grant/loan recipients must attend an institution in their home state, and they or their parents must have resided in the state for a period of time. Proof of residency is usually required. DeVry's website offers more information on specific state-funded programs.

New Jersey Tuition Aid Grants (TAGs)
Degree-seeking students attending DeVry University in New Jersey who have lived in New Jersey at least 12 consecutive months (and, if dependent, whose parents are also New Jersey residents) may be considered for TAGs if they attend full time and have not already earned an associate or

baccalaureate degree. TAG value is based on a student's financial need (as determined by the state formula), cost of attendance and funds available. Additional information on TAGs is available from a DeVry student support advisor.

State Specific Refund Policies - Traditional

Alabama Refund Policy

Students residing in Alabama may cancel enrollment at any time by contacting a student support advisor or an appropriate academic administrator. Refunds of unearned prepaid tuition, fees, and other charges shall be made in the following manner within thirty (30) days of termination:

If cancellation occurs after classes begin, a pro rata refund will be made of all unearned prepaid tuition, fees, and charges for books and supplies not issued to the student. Once books and supplies are issued and received by students, these become the property of students and refunds may be made only at the discretion of the school.

California Cancellation and Refund Policy

Cancellation

California residents may cancel their initial enrollment agreement without penalty or obligation at any time prior to midnight of the 10th business day following the signing of their initial enrollment agreement or through attendance at the first class meeting, whichever is later. Cancellations must be submitted in writing in accordance with applicable law.

Refund

In the event a student wishes to withdraw, DeVry University shall issue a pro rata refund that is no less than the total amount owed by the student for the portion of the educational program subtracted from the amount paid by the student, calculated as follows:

The amount owed equals the daily charge for the program multiplied by the number of days the student attended, or was scheduled to attend, prior to withdrawal. Except for items contained in the enrollment agreement or catalog that are specified as nonrefundable (not to be more than $250.00), all amounts paid by the student in excess of what is owed as calculated shall be refunded. Except in the case when an institution provides a 100% refund, any assessment paid pursuant to the state tuition recovery fund is nonrefundable.

DeVry University shall also provide a pro rata refund of nonfederal student financial aid program moneys paid for institutional charges to students who have completed 60% (sixty percent) or less of the period of attendance.

If the student has received federal student financial aid funds, the student is entitled to a refund of monies not paid from federal student financial aid program funds. **Note:** if the student obtains a loan to pay for an educational program, the student will have the responsibility to repay the full amount of the loan plus interest, less the amount of any refund.

DeVry University participates in the Title IV Federal Student Aid program as well as in financial aid programs in certain states. For consumer information, visit the University's Student Consumer Information web page.

If a student chooses to cancel their enrollment agreement or withdraw from classes they may do so at any time. However, after classes begin, students wanting to withdraw from a course must formally request a course withdrawal in writing prior to Friday of week 7 at 11:59 pm MST.

Refunds will be issued within 45 calendar days of the date of cancellation or withdrawal, as applicable, and the student will be provided documentation specifying the amount of the refund, the method of calculation, the date the refund was made and the recipient of the refund.

If the University has collected money from or on behalf of a student for transmittal to a third party (e.g., licensing fees, application fees or other charges) and such amounts have not yet been paid or invoiced at the time of cancellation or withdrawal, those amounts will be refunded within 45 calendar days of cancellation or withdrawal.

Colorado Refund Policy
Students residing in Colorado may cancel enrollment at any time. A pro rata refund will be calculated until the student completes sixty percent (60%) or more of the session in which they withdrew.

Florida Refund Policy
Students in the state of Florida will have tuition refunded using the University Institutional Refund Policy with the following exceptions:

- Students who withdraw during the add/drop period will be refunded all tuition and fees, as well as all funds paid for supplies, books, and equipment that can be, and are, returned to the institution.
- Refunds are calculated according to the last documented date of attendance and issued within 30 days of the withdrawal notification date or the date DeVry determines the student is no longer enrolled, whichever is earlier.
- Nonrefundable fees regarding admission and registration of Florida students shall not exceed $150.
    - The application fee of $30 is nonrefundable after 10 business days.
    - The student services charge of $60 per session is nonrefundable. The student services charge is not applicable to graduate students.
    - The Learning Management System access fee is nonrefundable if a student withdraws from all classes after week 7 of the session in which the fee was assessed.
    - The course resource fee is nonrefundable if a student withdraws from the course for which the fee was assessed.
    - After the add/drop period, students are assessed a nonrefundable $50 administration fee for each course from which they withdraw.

Georgia Refund Policy
Students who have completed 50 percent or less of the session are entitled to a refund based on the proration of tuition and percentage of course completed at withdrawal, or as required by applicable state or federal laws and regulations, if more favorable to the student.

Fees
Institutions that charge for fees, books and supplies that are in addition to tuition must refund any unused portion of the fees if a student withdraws before completing 50 percent of the period

of enrollment except for:

- Items that were specially ordered for a particular student and cannot be used or sold to another student.
- Items that were returned in a condition that prevents them from being used by or sold to new students.
- Nonrefundable fees for goods and/or services provided by third-party vendors.

Indiana Refund Policy

The postsecondary educational institution shall pay a refund to the student in the amount calculated under the refund policy specified in this section or as otherwise approved by the Board. The institution must make the proper refund no later than thirty-one (31) days from the student's request for cancellation or withdrawal.

After beginning classes, Indiana residents who withdraw from the school are entitled to the following refund amounts, less an enrollment fee of ten percent (10%) of the total tuition, not to exceed one hundred dollars ($100):

After Attending	Refund Amount
One week or less	90%
More than one week, but equal to or less than twenty-five percent (25%), of the program	75%
More than twenty-five percent (25%), but equal to or less than fifty percent (50%), of the program	50%
More than fifty percent (50%), but equal to or less than sixty percent (60%), of the program	40%
More than sixty percent (60%) of the program	0%

Iowa Refund Policy

A proprietary school shall refund all tuition charges to a student who withdraws within the first two calendar weeks of instruction. A proprietary school shall make a pro rata refund of tuition charges to a student who terminates from any of the school's postsecondary educational programs or courses after the first two calendar weeks in an amount that is not less than ninety-five percent of the amount of tuition charged to the student multiplied by the ratio of the number of calendar days remaining in the school period to the total number of calendar days in the school period. A refund of tuition charges shall be provided to the student within forty-five days following the date of the school's determination that a student has terminated from a postsecondary educational program. If a terminating student has completed sixty percent or more of a school period, the school offering the postsecondary educational program is not required to refund tuition charges to the student.

Kansas Refund Policy

Each student who has completed twenty-five percent (25%) or less of a course and withdraws shall be eligible for a pro rata refund. The completion percentage shall be based on the total number of calendar days in the course and the total number of calendar days completed. After a student has attended at least twenty-five percent (25%) of the course, tuition and fees shall not

be refundable.

Kentucky Refund Policy
If a student withdraws from the university, the college shall refund an amount reasonably related to the period for which the student is not enrolled and shall refund one hundred percent (100%) of all other tuition and other fees collected by the college for subsequent enrollment or registration periods. After completion of fifty percent (50%) of the enrollment period, the college shall not be required to make refunds of tuition or other fees for that period.

Week of Withdrawal	Percent Refund
First day of scheduled classes	100%
Balance of week 1	90%
Week 2	75%
Week 3	25%
Week 4	25%
Weeks 5-8	0%

Louisiana Refund Policy
Students who withdraw prior to the first day of classes are entitled to a full refund of tuition and fees, less an application fee. Students withdrawing during the first 10 days of classes shall receive a minimum refund of seventy-five percent (75%) of total tuition and fees paid, excluding any nonrefundable application fees, less the maximally-allowable administrative fees retained by the institution. Students withdrawing from day 11 through day 24 of classes shall receive a minimum refund of fifty percent (50%) of total tuition and fees paid, excluding any nonrefundable application fees, less the maximally-allowable administrative fees retained by the institution. Students withdrawing from day 25 through the end of the session are ineligible to receive a refund.

Withdrawal Period	Percent Refund, Less Administrative Fee
Days 1-10	75%
Days 11-24	50%
Day 25 through end of session	0%

The administrative fee will not exceed 15% of tuition.

Maryland Refund Policy
The minimum refund policy for Maryland residents enrolled in **online** programs is:

Portion of Session Completed as of Date of Withdrawal	Tuition Refund
Less than 10%	90%
10% up to, but not including, 20%	80%
20% up to, but not including, 30%	60%
30% up to, but not including, 40%	40%
40% up to, and including, 60%	20%
More than 60%	No refund

Missouri Refund Policy
At a minimum, refunds are calculated as follows:

Week of Withdrawal	Percent Refund of Tuition, Less $50 Per Course Administrative Fee
First day of scheduled classes	100%
Balance of week 1	90%
Week 2	75%
Weeks 3 and 4	25%
Weeks 5-8	0%

Students who never commence attendance in their course, or who drop prior to the start of the term, are refunded 100% of tuition and fees.

Students who cancel their enrollment during the first week of class also have their financial aid awards cancelled and any funds received returned to the funding source.

Nevada Refund Policy
If the institution has substantially failed to furnish the program agreed upon in the enrollment agreement, the institution shall refund all money that the student has paid. “Substantially failed to furnish” includes canceling or changing a training program agreed upon in the enrollment agreement without offering the student a fair chance to complete the same program or another program with a demonstrated possibility of placement equal to or higher than the possibility of placement of the program in which the student is enrolled within approximately the same period at no additional cost; or obtaining the written agreement of the student to the specified changes and a statement that the student is not being coerced or forced into accepting the changes unless the cancellation or change of a program is in response to a change in the requirements to enter an occupation.

If a student cancels their enrollment before the start of the program, the institution shall refund all money that the student has paid, minus 10 percent of the tuition or $150, whichever is less. If a student withdraws or is expelled after the start of the program and before the completion of more than 60 percent of the program, the institution shall refund the student a pro rata amount of the tuition minus 10 percent of the tuition or $150, whichever is less.

If a student withdraws or is expelled by the institution after completion of more than 60 percent

of the term, the institution is not required to refund the student any money and may charge the student the entire cost of the tuition.

If a refund is owed, the institution shall issue the refund within 15 calendar days after the date of cancellation by a student, date of termination by the institution or the last day of attendance.

Books, educational supplies or equipment for individual use are not included in the policy described above. A separate refund must be paid by the institution to the student if those items were not used by the student. Disputes must be resolved by the administrator for refunds on a case-by-case basis.

A period of a student's attendance must be measured from the first day of instruction through the student's last day of actual attendance, regardless of absences. The period of time for a program is the period set forth in the enrollment agreement. Tuition must be calculated using the tuition and fees set forth in the enrollment agreement and does not include books, educational supplies or equipment that are listed separately from the tuition and fees.

Nevada operates a student indemnification fund which may be used to indemnify any student or enrollee who has suffered damage as a result of the discontinuance of operation of a postsecondary educational institution licensed in Nevada or the violation by a Nevada institution of any provision of the Nevada Revised statutes (394.383 to 394.560) or the regulations adopted pursuant thereto. The existence of this account does not create a right in any person to receive money from the account.

Oklahoma Refund Policy

- **First week:** For a student who withdraws after starting school but within the first week, the tuition retained by the school will not exceed 10% of the contract price plus $150.00 but in no event more than $350.00.
- **After first week:** For a student who withdraws after one week but within the first 25% of the course, the tuition retained by the school will not exceed 25% of the contract price plus $150.00.
- **After 25%:** For a student who withdraws after completing over 25% but within 50% of the course, the tuition retained will not exceed 50% of the contract price plus $150.00.
- **After 50%:** A student completing more than 50% of the course is not entitled to a refund.

Oregon Refund Policy

After classes begin for a term, a student who withdraws from a course is eligible for a partial refund through the middle week of the term. Refunds shall be based on unused instructional time and shall be prorated on a weekly basis for schools using a semester, quarter or nontraditional calendar.

South Carolina Refund Policy

For students residing in South Carolina, DeVry University shall provide for a pro rata refund calculation pursuant to South Carolina Commission on Higher Education regulatory requirements. However, this does not apply to any student whose date of withdrawal is after the sixty (60) percent point (in time) in the period of enrollment for which the student has been charged.

Day of Withdrawal	Percent of Refund, Less $50 Per Course Administrative Fee
Days 1-7	80%
Days 8-14	70%
Days 15-21	60%
Days 22-28	50%
Days 29-33	30%
Day 34 through end of session	0%

Virginia Refund Policy
Students who withdraw during the add/drop period (week 1 of the session) shall be entitled to a 100% refund for the period. After the end of the add/drop period, tuition refund calculations are based on the DeVry refund policy.

West Virginia Refund Policy
An admitted student may cancel the enrollment by written notice at any time prior to the first class day and receive a refund of all tuition and fees paid, minus the $30 application fee.

- A student who withdraws during the first week of the term will receive a 90% refund, less the $30 application fee.
- A student who withdraws during week 2 of the term will receive a 75% refund, less the $30 application fee.
- A student who withdraws during weeks 3 and 4 of the term will receive a 50% refund, less the $30 application fee.
- A student who withdraws during weeks 5-8 of the term will receive a 0% refund.

Schools are required to issue refunds within twenty (20) days after receipt of a proper notification of termination from a student.

Wisconsin Refund Policy
DeVry University will provide a full refund of all monies paid by the student if either the student accepted was unqualified and the school did not secure a disclaimer, or the school procured the student’s enrollment as the result of any false representations in the written materials used by the school or in oral representations made by or on behalf of the school.

A student who withdraws or is dismissed before completing sixty percent (60%) of the potential units of instruction in the current enrollment period, shall be entitled to a pro rata refund, less any amounts owed by the student for the current enrollment period, less a one-time application fee.

Pro rata refund shall be determined as the number of units remaining after the last unit completed by the student, divided by the total number of units in the enrollment period, rounded downward to the nearest 10 percent. Pro rata refund is the resulting percent applied to the total tuition and other required costs paid by the student for the current enrollment period. All efforts will be made to refund prepaid amounts for books, supplies, and other charges unless the student has consumed or used those items and they can no longer be used or sold to new

students or returned by the school to the supplier.

No refund is required for any student who withdraws or is dismissed after completing sixty percent (60%) of the potential units of instruction in the current enrollment period unless a student withdraws due to mitigating circumstances, which are those that directly prohibit pursuit of a program and which are beyond the student's control.

Withdrawal Period	Percent Refund
Days 1-5	90%
Days 6-11	80%
Days 12-16	70%
Days 17-22	60%
Days 23-27	50%
Days 28-33	40%
Day 34 through end of session	0%

Tuition & Expenses

Student Costs, Payment Options and Financial Assistance
Students and applicants should note that all financial figures are disclosed in U.S. dollars.

Students' full account balance is due at the beginning of each session.

Though students may pay their full account balance in one payment, they may take advantage of one of the payment plans outlined below. Such students must submit a completed payment plan agreement. A new agreement is required should students wish to change plans.

Further information is available from a DeVry student support advisor. Delinquent payments may result in loss of payment plan privileges and registration holds.

Payment Period
The payment period is a period of enrollment for Title IV purposes. The payment period at DeVry is the student-centric period (visit the Student-Centric Period section), which is the student's semester.

Tuition
Tuition charges are calculated each session per credit hours enrolled, and tuition is assessed each session for a given semester. Matriculating and non-matriculating students are charged $514 per credit hour. Total program costs for students are shown in the tuition tables; rates are subject to change.

A $30 application fee must accompany the application. Tuition, as well as fees and expenses payable to DeVry, must be paid in advance of each term unless a student will be using a DeVry payment option (visit the Payment Options section). Payment may be made by check, credit card or third-party financing, including financial aid.

For tuition and refund purposes, the term of attendance is defined as the actual number of

complete or partial sessions a student has attended DeVry. Thus, the initial term of attendance, regardless of program or course level, is considered the first term. Students returning to DeVry after having missed six or more session registrations must reapply and sign a new enrollment agreement. A second application fee is not required.

DeVry reserves the right to change tuition rates at any time; increases are announced within a reasonable timeframe of at least 30 days before the beginning of the effective term.

Tuition is assessed according to the student's primary program of enrollment. A student's first program of study is considered the primary program unless the student requests a program change.

Note: Students may participate in only one DeVry-based grant or group pricing program. If students qualify for more than one such program, the one most beneficial is awarded. Prior to starting classes at DeVry, students who qualify for and prefer a different grant or group pricing program must confirm, in writing, the alternate program in which they wish to participate. In rare cases, grant or group tuition pricing programs are combinable. Students are made aware of such opportunities by their admissions advisor/representative or student support advisor.

Military Tuition
U.S. military personnel serving in any of the five branches of the U.S. Armed Forces (including National Guard and Reserves), and their spouses, are eligible for DeVry's military pricing of $250 per credit hour.

The application fee is waived for these individuals. Fees and textbook and equipment expenses are charged at the standard rate. Additional information and requirements are available from DeVry admissions advisors/representatives.

Undergraduate Alumni Benefit
DeVry and Keller Graduate School of Management alumni may be eligible to receive 15 percent tuition savings while studying in a qualifying DeVry undergraduate certificate, or associate or bachelor's degree, program.

The application fee is waived for alumni who hold a qualifying DeVry University credential, as well as for their family members who enroll in undergraduate programs. Fees and textbook and equipment expenses are charged at the standard rate.

Additional information and requirements are available from DeVry admissions advisors/representatives.

Expenses
Note: DeVry reserves the right to change fees and charges at any time without notice. DeVry receives administrative and service fees from its graduation regalia supplier and uses these fees to cover student activities costs, including graduation expenses. DeVry also receives administrative and service fees from textbook suppliers and bookstore operations and uses these fees to cover expenses associated with selecting and ordering textbooks and e-learning materials.

Course Resource
A required nonrefundable fee of $90 per course is charged to matriculating and non-matriculating students to cover expenses associated with use of – and enhancements to – tutorials; virtual labs or simulations; integrated platforms; study guides; tutoring through Tutor.com and DeVryTutors.com; AI virtual assistants; and library technologies. This fee is refunded in accordance with state requirements, if applicable.

Learning Management System
New and readmitted matriculating and non-matriculating students are charged a required one-time-per-enrollment learning management system (LMS) access fee of $400. This fee is refunded for students who withdraw from all courses during the session in which the LMS fee was assessed. In such cases, the LMS fee is assessed the next session in which the student registers.

Through the LMS, students can easily access course materials, complete assignments, and collaborate with faculty and classmates.

Nonsufficient Funds Check
Because returned checks create administrative costs, a $10 fee is added to students' balances for each returned check. Students with three or more such occurrences must pay their tuition with either a money order or a cashier's check and are not eligible for subsequent tuition deferrals

Official Transcript Request
An electronic transcript is sent to students automatically, at no charge, upon graduation. Students and alumni are charged $10 for each electronic transcript and $15 for each paper transcript. Students must submit requests for official transcripts via DeVry's student portal.

DeVry does not withhold transcripts from students who have an unpaid balance.

Parking
To park in parking lots at some DeVry locations, students may be charged a nonrefundable fee not to exceed $60 per vehicle, per session. Students should contact Student Central for details. Vehicles not authorized for parking may be towed.

Student Services
A required nonrefundable charge of $60 per session is assessed to matriculating and non-matriculating students to cover expenses such as those associated with computer hardware and software upgrades; use of – and enhancements to – AI tools, HireDeVry, mobile applications, the student portal and email services; student IT support; student activities and services; and graduation.

Student Tuition Recovery Fund
The State of California established the Student Tuition Recovery Fund (STRF) to relieve or mitigate economic loss suffered by a student in an educational program at a qualifying institution, who is or was a California resident while enrolled, or was enrolled in a residency program, if the student enrolled in the institution, prepaid tuition, and suffered an economic loss. Unless relieved of the obligation to do so, you must pay the state-imposed assessment for the STRF, or it must be paid on your behalf, if you are a student in an educational program, who is a

California resident, or are enrolled in a residency program, and prepay all or part of your tuition.

You are not eligible for protection from the STRF and you are not required to pay the STRF assessment if you are not a California resident, or are not enrolled in a residency program.

It is important that you keep copies of your enrollment agreement, financial aid documents, receipts, or any other information that documents the amount paid to the school. Questions regarding the STRF may be directed to the Bureau for Private Postsecondary Education, 1747, North Market Blvd., Suite 225, Sacramento, CA 95834, 916.574.8900 or 888.370.7589.

To be eligible for STRF, you must be a California resident or enrolled in a residency program, prepaid tuition, paid or deemed to have paid the STRF assessment, and suffered an economic loss as a result of any of the following:

1. The institution, a location of the institution, or an educational program offered by the institution was closed or discontinued, and you did not choose to participate in a teach-out plan approved by the Bureau or did not complete a chosen teach-out plan approved by the Bureau.
2. You were enrolled at an institution or a location of the institution within the 120-day period before the closure of the institution or location of the institution, or were enrolled in an educational program within the 120-day period before the program was discontinued.
3. You were enrolled at an institution or a location of the institution more than 120 days before the closure of the institution or location of the institution, in an educational program offered by the institution as to which the Bureau determined there was a significant decline in the quality or value of the program more than 120 days before closure.
4. The institution has been ordered to pay a refund by the Bureau but has failed to do so.
5. The institution has failed to pay or reimburse loan proceeds under a federal student loan program as required by law, or has failed to pay or reimburse proceeds received by the institution in excess of tuition and other costs.
6. You have been awarded restitution, a refund, or other monetary award by an arbitrator or court, based on a violation of this chapter by an institution or representative of an institution, but have been unable to collect the award from the institution.
7. You sought legal counsel that resulted in the cancellation of one or more of your student loans and have an invoice for services rendered and evidence of the cancellation of the student loan or loans.

To qualify for STRF reimbursement, the application must be received within four (4) years from the date of the action or event that made the student eligible for recovery from STRF.

A student whose loan is revived by a loan holder or debt collector after a period of non-collection may, at any time, file a written application for recovery from STRF for the debt that would have otherwise been eligible for recovery. If it has been more than four (4) years since the action or event that made the student eligible, the student must have filed a written application for recovery within the original four (4) year period, unless the period has been extended by another act of law.

However, no claim can be paid to any student without a social security number or a taxpayer identification number.

Textbooks, Supplies and Specialized Equipment
Using DeVry-specified electronic and hard-copy textbooks is integral to successful course completion. Students can purchase electronic and hard-copy textbooks from an outside source, but they must purchase the books specified by DeVry. Some courses may require purchase of additional technology and software supplies. Students must also purchase the additional supplies specified by DeVry. Textbooks and supplies may be purchased from the DeVry University bookstore. Per-session costs for undergraduate certificate programs, and for associate and bachelor's degree programs, are noted below.

- **Matriculating Students:** Costs for electronic and hard-copy textbooks, as well as for supplies and specialized equipment, vary by program. Average estimated per-session expenses for matriculating students, based on normal program completion time, are listed below by program type.
- **Non-matriculating Students:** Costs for non-matriculating students vary by course.

Course syllabi outline required electronic and hard-copy textbooks, supplies and specialized equipment, and students' billing statements show associated costs. Supplies may include, but are not limited to, access codes, course kits and other miscellaneous items.

Costs for all textbooks are subject to change based on publishers' prices.

Most courses require e-books, which are digital versions of printed books that can be read on a computer and, in most cases, on other electronic devices such as tablets and smartphones. Courses not requiring an e-book may require a hard-copy textbook.

Students enrolled in courses in which an e-book is used are charged $40 for the e-book. Students enrolled in a course using multiple e-books are charged one $40 fee only. E-books are deemed required when integrated directly into the course; students cannot opt out of these e-books. When an e-book is not directly integrated into a course, students may opt out of the e-book provided by DeVry and can request a $40 e-book fee credit. Students must request such credit for each course by the end of week 1 of the session and can do so via the bookstore. Students who order a print textbook, or who otherwise print the e-book, are not eligible for the $40 e-book fee credit. The ability to request a credit provides students the opportunity to obtain the e-book elsewhere; however, the e-book is still integral to course completion.

Black-and-white, soft-cover printed versions of certain e-books may be available at an additional cost for students who want printed textbooks as well as e-books. These optional printed e-books are equivalent to textbooks. More information is available from the bookstore.

Certificate Programs
- *$70 Per Session*
  - Website Design
  - Website Development
- *$100 Per Session*
  - Accounting

    - Business Essentials
    - Engineering Technology
    - Programming Essentials
    - Project Management
- *$175 Per Session*
    - AI & Data Analytics
    - Cloud Computing
    - Cyber Security
    - Information Technology Essentials
    - Internet of Things
    - Medical Billing & Coding
    - Medical Billing & Coding – HIC
    - Networking Essentials
    - Software Development

Associate Degree Programs

- *$100 Per Session*
    - Business
- *$175 Per Session*
    - Cybersecurity & Networking
    - Engineering Technology
    - Health Information Technology
    - Information Technology & Networking

Bachelor's Degree Programs

- *$100 Per Session*
    - Accounting
    - Business Administration
    - Healthcare Administration
    - Technical Management
- *$175 Per Session*
    - Business Management
    - Computer Information Systems
    - Cybersecurity & Networking
    - Engineering Technology
    - Information Technology & Networking
    - Software Development

Failure to Fulfill Financial Obligations

Enrollment for a subsequent term may be denied to students who fail to fulfill their financial obligations. Students may be dismissed for failing to pay tuition, federal student loans or other charges. Career services assistance may also be withheld. In all cases, students remain responsible for tuition and other charges incurred, in accordance with DeVry's cancellation and refund policy.

Tuition Table: Undergraduate Degree & Certificate Program Students

DeVry University Undergraduate Tuition, Fees and Expenses — Undergraduate Degree and Certificate Program Students

The following standard tuition rates apply to students enrolling in the University, unless otherwise noted or amended. Tuition is assessed each session for a given semester. Information on tuition rates for military students and for alumni is contained in the Tuition & Expenses section of this academic catalog.

Bachelor's Degree Programs	Minimum Credit Hours	Tuition Per Credit Hour	Total Tuition	Fees	Textbook and Equipment Expense	STRF (California Only)	Total Program Cost
Accounting	120	$514	$61,680	$5,680	$1,600	$0	$68,990
Business Administration	121	$514	$62,194	$5,680	$1,600	$0	$69,504
Business Management	122	$514	$62,708	$5,680	$2,800	$0	$71,218
Computer Information Systems	124	$514	$63,736	$5,680	$2,800	$0	$72,246
Cybersecurity & Networking	124	$514	$63,736	$5,680	$2,800	$0	$72,246
Engineering Technology	126	$514	$64,764	$5,680	$2,800	$0	$73,274
Healthcare Administration	121	$514	$62,194	$5,020	$1,400	$0	$68,644
Information Technology & Networking	120	$514	$61,680	$5,680	$2,800	$0	$70,190
Software Development	120	$514	$61,680	$5,680	$2,800	$0	$70,190
Technical Management	122	$514	$62,708	$5,680	$1,600	$0	$70,018
Associate Degree Programs	**Minimum Credit Hours**	**Tuition Per Credit Hour**	**Total Tuition**	**Fees**	**Textbook and Equipment Expense**	**STRF (California Only)**	**Total Program Cost**
Business	61	$514	$31,354	$3,040	$800	$0	$35,224
Cybersecurity & Networking	62	$514	$31,868	$3,040	$1,400	$0	$36,338
Engineering Technology	64	$514	$32,896	$3,040	$1,400	$0	$37,366
Health Information Technology	61	$514	$29,812	$3,040	$1,400	$0	$34,282
Information Technology & Networking	60	$514	$30,840	$3,700	$1,750	$0	$36,320

Undergraduate Certificate Program	Minimum Credit Hours	Tuition Per Credit Hour	Total Tuition	Fees	Textbook and Equipment Expense	STRF (California Only)	Total Program Cost
Accounting	24	$514	$12,336	$1,720	$400	$0	$14,486
AI & Data Analytics	36	$514	$18,504	$2,380	$1,050	$0	$21,964
Aspiring Management Pathway	11	$514	$5,654	$1,060	$200	$0	$6,944
Business Essentials	25	$514	$12,850	$1,720	$400	$0	$15,000
Cloud Computing	40	$514	$20,560	$2,380	$1,050	$0	$24,020
Cyber Security	40	$514	$20,560	$3,040	$1,400	$0	$25,030
Engineering Technology	39	$514	$20,046	$2,380	$600	$0	$23,056
Information Technology Essentials	23	$514	$11,822	$2,050	$875	$0	$14,777
Internet of Things	40	$514	$20,560	$2,380	$1,050	$0	$24,020
Medical Billing & Coding	31	$514	$14,392	$2,050	$875	$0	$17,347
Medical Billing & Coding – Health Information Coding	40	$514	$19,018	$2,710	$1,225	$0	$22,983
Networking Essentials	23	$514	$11,822	$2.050	$875	$0	$14,777
Programming Essentials	22	$514	$11,308	$1,720	$400	$0	$13,458
Project Management	32	$514	$16,448	$2,050	$500	$0	$19,028
Project Management Pathway	12	$514	$6,168	$1,060	$200	$0	$7,458
Software Development	36	$514	$18,504	$2,380	$1,050	$0	$21,964
Website Design	36	$514	$18,504	$2,380	$420	$0	$21,334
Website Development	38	$514	$19,532	$2,380	$420	$0	$22,362

Programs No Longer Accepting New Applicants

Bachelor's Degrees	Minimum Credit Hours	Tuition Per Credit Hour	Total Tuition	Fees	Textbook and Equipment Expense	Total Program Cost
Business Administration – all locations except New Jersey	124	$514	$63,736	$5,680	$1,600	$71,046
Communications	122	$514	$62,708	$5,680	$2,800	$71,218
Healthcare Administration	126	$514	$64,764	$5,680	$1,600	$72,074
Justice Administration	122	$514	$62,708	$5,680	$2,800	$71,218
Management	122	$514	$62,708	$5,680	$2,800	$71,218
Multimedia Design & Development	122	$514	$62,708	$5,680	$1,600	$70,018
Software Development	120	$514	$61,680	$5,680	$2,800	$70,190
Technical Management – Health Information Management	122	$514	$62,708	$5,680	$1,600	$70,018
Associate Degrees	**Minimum Credit Hours**	**Tuition Per Credit**	**Total Tuition**	**Fees**	**Textbook and Equipment Expense**	**Total Program Cost**
Health Information Technology	67	$514	$30,840	$3,040	$1,400	$35,310
Network Systems Administration	67	$514	$34,438	$3,700	$1,750	$39,918
Undergraduate Certificates	**Minimum Credit Hours**	**Tuition Per Credit Hour**	**Total Tuition**	**Fees**	**Textbook and Equipment Expense**	**Total Program Cost**
Data Mining & Analytics	43	$514	$22,102	$3,040	$800	$25,972
Medical Billing & Coding	34	$514	$15,934	$2,050	$875	$18,889
Medical Billing & Coding – Health Information Coding	42	$514	$20,046	$2,380	$1,050	$23,506
Software Design & Solutions	42	$514	$21,588	$3,040	$800	$25,458
Web & Mobile Application Development	43	$514	$22,102	$3,040	$800	$25,972

- Program availability varies by location and delivery method.
- Minimum credit hours shown for the Business Administration program accepting new enrollments are based on the majority of the program's major/concentrations. Students' selected major/concentration may require fewer or additional credit hours, which affects total program cost.

- Fees include a course resource fee for 3 courses per session at $90 per course, a one-time-per-enrollment $400 learning management system (LMS) access fee and a nonrefundable student services charge of $60 per session.
- Textbook and Equipment Expense average estimated per-session textbook and equipment expenses for full-time students vary by program and range from $70-$175. Visit the Tuition & Expenses section for details.
- The Student Tuition Recovery Fund (STRF) is a nonrefundable California state-imposed assessment DeVry collects from students and remits on behalf of California residents enrolled in an online program at DeVry and students enrolled at a DeVry location in California. The STRF fee is currently $0.
- Total Program Cost shown is for matriculating students at current tuition rates, credit hours shown and full-time attendance; Total Program Cost includes $30 application fee, nonrefundable student services charge, estimated course resource fee, LMS access fee, and average estimated textbook and equipment expense.
- Total Tuition for actively enrolling programs Health Information Technology, Medical Billing & Coding, and Medical Billing & Coding - Health Information Coding reflects one 3-credit-hour course provided at no tuition charge and intended to be taken in the final session.
- Total Tuition for the Medical Billing & Coding and Medical Billing & Coding - Health Information Coding certificate programs in the Programs No Longer Accepting New Applicants table reflects required course HIT230, three credit hours total, provided at no tuition charge.
- Total Tuition for the Health Information Technology associate degree program in the Programs No Longer Accepting New Applicants table reflects required courses HIT230, HIT272 and HIT274, seven credit hours total, provided at no tuition charge.

Tuition Table: Undergraduate - New Jersey

DeVry University Undergraduate Tuition, Fees and Expenses — Undergraduate Degree Program Students in New Jersey

The following standard tuition rates apply to students enrolling in the University, unless otherwise noted or amended. Tuition is assessed each session for a given semester. Information on tuition rates for military students and for alumni is contained in the Tuition & Expenses section of this academic catalog.

Program	Minimum Credit Hours	Tuition Per Credit Hour	Total Tuition	Fees	Textbook and Equipment Expense	Total Program Cost
Cybersecurity & Networking (Associate)	65	$514	$33,410	$3,040	$1,400	$37,880
Business Administration (Bachelor)	127	$514	$65,278	$5,680	$1,600	$72,588
Computer Information Systems (Bachelor)	127	$514	$65,278	$5,680	$2,800	$73,788
Cybersecurity & Networking (Bachelor)	127	$514	$65,278	$5,680	$2,800	$73,788
Technical Management (Bachelor)	122	$514	$62,708	$5,680	$1,600	$70,018

- Program availability varies by location and delivery method.
- Minimum Credit Hours includes three hours of career preparation coursework that is awarded institutional credit only.
- Fees includes a course resource fee for 3 courses per session at $90 per course, a one-time-per-enrollment $400 learning management system (LMS) access fee and a nonrefundable student services charge of $60 per session.
- Textbook and Equipment Expense average estimated per-session expenses for full-time students vary by program and range from $70-$175. Visit the Tuition & Expenses section for details.
- Total Program Cost is for matriculating students at current tuition rates, credit hours shown and full-time attendance; Total Program Cost includes $30 application fee, nonrefundable student services charge, LMS access fee, estimated course resource fee, and average estimated textbook and equipment expense.

Veterans Benefits & Military Coursework

DeVry participates in the federal Yellow Ribbon program for students using Chapter 33 benefits.

Students who may qualify for veterans education benefits should notify their DeVry admissions advisor/representative and meet with the University’s designated veterans point of contact regarding eligibility as far in advance of their scheduled class start date as possible.

The Department of Veteran’s Affairs (VA) requires DeVry to have and enforce standards of academic progress, to which all students must adhere. Failure to do so may result in loss of benefit eligibility until deficiencies are corrected. Students receiving VA benefits should visit the Additional Academic Progress Information for Students Receiving Veterans Education Benefits section. Questions regarding these requirements should be directed to the University’s designated veterans point of contact.

Veterans Benefits

Approval to offer veterans education benefits is granted by appropriate state agencies and is based on operational time requirements for programs and sites.

Many locations/programs are approved for veterans benefits. Students should check with the University's designated veterans point of contact to see if their location/program is approved. The University also participates in the federal Yellow Ribbon program for students using Chapter 33 benefits.

In addition to meeting DeVry's standards of academic progress requirements, students receiving veterans education benefits must meet Veterans Affairs standards of academic progress requirements (visit the Additional Standards of Academic Progress Information for Students Receiving Veterans Education Benefits section). Failure to do so may result in loss of benefit eligibility until deficiencies are corrected. Questions regarding these requirements should be directed to the University's designated veterans point of contact.

Visit the Prior Learning Credit – Veterans section and the Standards of Academic Progress section for more information.

Veterans Benefits and Transition Act

As part of the Veterans Benefits and Transition Act of 2018, section 3679 of title 38, effective August 1, 2019, and the Colonel John M. McHugh Tuition Fairness for Survivors Act of 2021, section 3679 of title 38, effective August 1, 2022, any DeVry University students using Chapter 33 Post 9/11 GI Bill® or Chapter 31 Veteran Readiness and Employment will not be penalized by holds, interest or late fees while the VA Education Benefit payment is pending receipt for at least 90 days from the date tuition and fees were certified by the institution. DeVry University will not impose any penalty, including denial of access to classes, libraries or other institutional facilities, or the requirement that a covered individual borrow additional funds.

DeVry University also recommends that veterans education benefit recipients notify a student support advisor as soon as they become aware of a delay in anticipated payment.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Web site at https://www.benefits.va.gov/gibill/.

Prior Learning Credit – Veterans

Evaluation of previous postsecondary education and training is mandatory for VA beneficiaries. DeVry grants appropriate prior learning (transfer) credit, reduces program length proportionately, notifies students and Veterans Affairs in writing of this decision, and adjusts invoicing to the VA accordingly for students using veterans benefits and approved for prior learning credit as a result of this evaluation.

DeVry maintains a written record of previous undergraduate and graduate education completed by veterans and all persons eligible for veterans benefits. A copy of official transcripts used to evaluate transfer credit is maintained in each student's permanent record. This record, required for transfer-credit review, clearly indicates when appropriate transfer credit has been given.

A veteran enrolled in a DeVry University course for which credit has already been earned at a University-recognized institution cannot include that course in the total hours reported to the U.S. Department of Veterans Affairs. It is the student's responsibility to be aware of prior credit

eligible for transfer.

If credit is received for a course of enrollment after the student has begun attendance in that course, the University must reverse the previously certified hours, and VA benefits cannot be applied to the charges associated with this course.

If the registrar grants reversal of previously applied prior training credits, the University still cannot report those hours to the Department of Veterans Affairs for benefit payment, and the repeated course(s) will need to be funded by an alternative source.

Credit for Military Coursework and Training Experience
Military coursework and educational experiences are evaluated based on American Council on Education (ACE) recommendations, which may indicate that military coursework and educational experiences qualify for credit. Additional information on workforce and military training recommendations is available via the National Guide to College Credit for Workforce Training and the ACE Military Guide Online, respectively.

DeVry University is proud to have a partnership with the Air University Associate to Baccalaureate Cooperative (AU-ABC) program. The AU-ABC program connects students and graduates of the Community College of the Air Force Associate in Applied Science (CCAF AAS) to accredited civilian academic institutions that offer online/distance learning educational opportunities at the baccalaureate level.

Members of the U.S. Air Force with a CCAF AAS degree are eligible for DeVry University’s Bachelor of Science in Technical Management (BSTM) program. Completed CCAF associate degrees fulfill up to 60 credit hours of BSTM program requirements. CCAF graduates complete the remainder of the program, typically 62 credit hours, at DeVry.

Additional information on credit for military coursework and training experience is available from DeVry admissions advisors/representatives.

Additional Academic Progress Information for Students Receiving Veterans Education Benefits
Students are placed on academic warning for failure to meet minimum CGPA, pace of progress toward graduation and other minimum requirements outlined in the Standards of Academic Progress section. Students on academic warning are eligible to receive veterans education benefits for their academic warning semester. If at the end of the academic warning semester such students do not return to good standing, they are dismissed and have their enrollment certifications terminated for unsatisfactory progress. Students who are dismissed for failing to meet standards of academic progress may appeal. Students may not continue their studies unless the appeal is approved.

Those with approved appeals are placed on financial aid probation (academic probation) and must follow a predetermined academic plan, visit the Requirements for Students Starting the Semester on Financial Aid Warning (Academic Warning) or Financial Aid Probation (Academic Probation) section. Students who do not successfully appeal their dismissals are dismissed and have their enrollment certifications terminated for unsatisfactory progress. The VA is notified of such dismissals.

Veteran students must notify the appropriate academic administrator/student support advisor immediately upon withdrawal from school or from a course. For students receiving veterans education benefits, DeVry notifies the VA of changes in student status within 30 days of the official last date of attendance.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Web site at: https://www. benefits.va.gov/gibill.

Grades, Progress & Registration

Academic Appeal

Students who have been dismissed for failing to meet standards of academic progress may appeal the dismissal by submitting an Academic Dismissal Appeal form to the appropriate academic administrator prior to the established deadline. A student who is dismissed for failure to pass the third attempt of a course may not appeal to request a fourth or subsequent course attempt. Students should contact a student support advisor for more information. Students may appeal their academic standing a total of four times in their current degree program. Those with approval to change programs have their total number of appeals reset to zero.

Appeals must explain the verifiable mitigating circumstances that contributed to poor academic performance, show how the circumstances have been overcome, and present a realistic plan for meeting requirements to return to good standing. Supporting documentation may be submitted to further explain the cause and progress toward resolution of your mitigating circumstances(s). If no supporting documentation is provided, you may be contacted to provide such documentation which could delay the review of your appeal.

Students must submit an academic appeal no later than Tuesday of week 2 of the session following their semester/student-centric period for which the student is being evaluated for academic progress. However, students who do not submit an appeal within four days of the date of the dismissal notification will be dropped from courses in the session following the semester being evaluated for academic progress as well as any future sessions for which the student is registered. Therefore, students are strongly encouraged to submit an appeal within four days of the date of the dismissal notification. Students who submit an appeal after being dropped from courses may not be able to reregister, which can result in at least one-session of interrupted studies.

A student informed of the dismissal after beginning the session immediately following the dismissal may remain enrolled while the appeal is processed by the appropriate academic administrator, as long as the student submits the appeal within four days of the date of dismissal notification. A student continuing in a course or courses while the appeal is processed and whose appeal is subsequently denied may not continue and is administratively dropped from class or classes. A student not currently enrolled whose appeal is approved may enroll for the current semester, provided the registration deadline has not passed, and is subject to financial aid probation (academic probation) conditions in Requirements for Students Starting the Semester on Financial Aid Warning (Academic Warning) or Financial Aid Probation (Academic Probation). Failure to meet specified conditions results in a second dismissal. Additional appeals are denied

unless students have new or extraordinary verifiable mitigating circumstances. Fourth appeals must be submitted to a national college dean or designee. Students who fail to return to good standing after submitting a fourth appeal are dismissed and precluded from registering; however, they may reapply for admission after one year.

If an appeal is not submitted within six sessions after dismissal, the student must request readmission through standard admission procedures as well as submit an appeal to the appropriate academic administrator. The total number of appeals is reset to zero for students whose appeals associated with readmission are approved.

Academic administrators' and national college deans'/designees' decisions to deny appeals are final and cannot be appealed.

Grading Philosophy

The University is committed to high academic standards that reflect real-world demands for excellence. Academic performance is evaluated using the full range of grades A through F. Grade distributions are not based on a predetermined curve.

Grade Point System and GPAs

GPAs are computed by dividing total grade points by total credit hours for which letter grades A through F are received. For each course, grade points are calculated by multiplying course credit hours by the grade index points corresponding to the grade earned.

Three GPAs are maintained on student records:

- The term GPA (TGPA) is calculated at the end of each session.
- The semester GPA (SGPA) is calculated at the end of the semester/student-centric period and represents the GPA for work completed in a given semester only.
- Overall academic standing is stated in terms of a cumulative GPA (CGPA), which is calculated at the end of each session and is based on all grades and credit hours earned to date as a DeVry University undergraduate student. The CGPA, the GPA upon which award conferral is based, becomes fixed at graduation.

All GPAs exclude grades earned in non-GPA courses.

Non-GPA Credit

The following appear on students' transcripts but are omitted from GPA calculations:

- Transitional studies courses
- Courses graded on a Satisfactory/Unsatisfactory basis
- Zero-credit-hour courses
- Audited courses

If students are required to take a non-GPA course, credit is considered when determining students' academic level and progress.

Grades and Designators

DeVry uses the grading system outlined below. Designators indicate academic action rather than grades and are not included when computing academic averages. Grades are posted and made available via the student portal at the end of each session. Final grades are based on the

percentage equivalent in the chart below and are not rounded to the next higher letter grade. Term, semester and cumulative grade point averages (GPAs) are calculated at the end of the session. Academic honors and academic progress evaluations – including academic standing – are calculated at the completion of each student's semester/student-centric period.

GPAs are calculated using grades from undergraduate-level courses taken at DeVry University only. Grades from transferred courses are not included in GPA calculations.

Grades and designators are assigned as follows:

Grading System		
Letter Grade	**Percentage Equivalent**	**Grade Index Points**
A	100% to 90.0%	4.00
B	<90.0% to 80.0%	3.00
C	<80.0% to 70.0%	2.00
D	<70.0% to 60.0%	1.00
F	<60.0% to 0.0%	0.00

Grade of F – Failing
A student who receives an F in a required course must repeat and pass the course, or receive transfer credit for the course, prior to graduation. The failed DeVry course is included in grade point averages (GPAs); however, if the student passes the course or receives transfer credit, the cumulative GPA (CGPA) is adjusted accordingly. Additionally, the F is excluded from the term and semester GPAs for the session and semester in which the F was received.

Academic designators, outlined in the following chart, are used when letter grades do not apply.

Academic Designators	
Designator	**Description**
AU	Audit
EX	Exemption
I	Incomplete
IP	In Progress
PLA	Portfolio Assessment
PR	Proficiency Credit
S	Satisfactory
T	Transfer Credit
U	Unsatisfactory
W	Withdrawal (prior to official withdrawal deadline)

Designator of AU – Course Audit
Students who wish to audit courses must receive approval to do so from the appropriate academic administrator prior to the beginning of the session. Tuition and fees are charged for audited courses; however, financial aid may not be applied to audited courses. Thus, changing to audit status may affect financial aid awards. Academic engagement is required. If, in professors' opinions, audit students do not fulfill the above obligations, audit status may be revoked, and students may be removed from class.

Not all courses are eligible for audit status.

Designator of EX – Exemption
An EX designator signifies block transfer credit was awarded.

Designator of I – Incomplete
An I designator signifies that required coursework was not completed during the session of enrollment. Incompletes are granted in exceptional situations only, such as when illness or work-related travel is documented and when substantial course requirements have already been completed. All required work must be completed and submitted to the professor by Sunday of week 2 of the subsequent session. The I must be converted to a letter grade A through F, or to an S or U designator, as determined by the course grading scale.

Designators of I are counted in attempted hours but are not counted in any GPA computations. If course requirements are not satisfied by the deadline, the I is converted to an F. When an I is converted to a final grade for the course, the grade is applied to the session in which the student took the course. The GPA is then recalculated for that session, resulting in different term, semester and cumulative GPAs.

An I in a prerequisite course does not satisfy the course requirement; thus, the student is administratively dropped from the course for which the prerequisite course was required. Students are notified of dropped courses by email. A reduction in enrolled hours may affect financial aid eligibility and/or awards.

An I may be assigned only when all the following conditions are met:

- The student has been making satisfactory progress in the course, as determined by the professor.
- The student is unable to complete some coursework because of unusual circumstances beyond personal control. The student must submit a Request for Course Incomplete form and obtain approval from the professor and the appropriate academic administrator prior to the grade roster deadline.

Designator of PLA – Portfolio Assessment
PLA designators signify proficiency credit awarded for portfolio assessment.

Designator of PR – Proficiency Credit
A PR designator indicates proficiency credit awarded for various types of prior learning for which transfer credit (T) or portfolio assessment credit (PLA) is not awarded, including:

- Military coursework and training
- Professional certifications and training
- External standardized exams

- DeVry-administered challenge exams

Designator of S – Satisfactory
An S designator is awarded for satisfactory completion of a course graded on a Satisfactory/Unsatisfactory basis. Courses graded on this basis are noted in course descriptions.

Designator of T – Transfer Credit
A T designator is awarded for applicable prior college credit.

Designator of U – Unsatisfactory
A U designator is awarded for unsatisfactory completion of a course graded on a Satisfactory/Unsatisfactory basis. Courses graded on this basis are noted in course descriptions.

Designator of W – Course Withdrawal
A W designator signifies withdrawal from the course and appears on transcripts of students who attend all courses during the add/drop period and then withdraw from a course or courses, or who are administratively withdrawn from a course or courses because of an academic engagement violation.

Students who remain enrolled in a course or courses after the course drop deadline and wish to withdraw from a course or courses must contact a student support advisor or an appropriate academic administrator.

Students may withdraw at any time prior to the withdrawal deadline, which is Friday of week 7 at 11:59 pm MT.

Missing Grades
Term GPAs or semester GPAs (when applicable) are not calculated for students with missing grades for the session.

Grade Changes
Grade changes – such as converting Incompletes to final grades, and changes resulting from student appeals and retroactive grade changes – affect the most recently calculated academic standing. In addition:

- If a DeVry course is repeated, the highest grade earned is used for computing the CGPA.
- Withdrawal from a course being repeated does not affect GPAs.
- If the student completes a DeVry course for which transfer credit was awarded, and grades earned for each course were the same, the DeVry grade is used in any applicable GPA calculation.
- If a student completes a DeVry course for which an equivalent course was previously or subsequently awarded transfer credit, and the grade for the transferred course is higher, the grade earned at DeVry is excluded from GPA calculations.

Grade Appeals
Students who want to appeal their grade from a specific course must contact their professor by Sunday of week 4 of the session immediately following the session in which they took the course. If issues remain unresolved after reviewing the grade with the professor, students may appeal

the grade by submitting a request to the appropriate academic administrator, or to a student support advisor for routing. The academic administrator will review the appeal and make a decision on the outcome, which can result in a final grade that may increase, decrease or stay the same.

Grade appeal requests must be made during the session immediately following the session in which students were enrolled in the course. Grade changes beyond the time allotted for the grade appeal process must be of an unusual nature and are considered exceptional. Exceptions must be approved by the appropriate academic administrator. Grade changes are not permitted after the award of a degree or certificate except for legitimate grade changes within the allotted grade appeal time period.

Retroactive Grade Changes
Under certain circumstances, a grade may be changed retroactively. A retroactive grade change affects:

- The TGPA, SGPA and CGPA for the session and semester in which the course was taken.
- The CGPA for each session and semester after the course was taken.
- Academic standing for the most recently completed semester only.
- A student's eligibility for financial aid for the current semester at the point the official academic record is changed.

A retroactive grade change does not affect financial aid awards for semesters that concluded prior to the change to the academic record.

Registration

Registration and Course Scheduling
Registration is the process of enrolling in and paying for a course. Students are strongly encouraged to self-register online via the University's student portal prior to the start of the session, or they may contact a student support advisor to complete the registration process. Student Central colleagues may register students prior to the start of the session and through week 1.

Students must submit official academic transcripts of their baccalaureate or advanced degree by the end of their second session of enrollment. Students who do not meet this deadline are dropped from all courses in which they are enrolled for future sessions. Until official transcripts are received, such students may not enroll.

Students whose DeVry University accounts are past due may not be permitted to register until their accounts are current or until they have made satisfactory payment arrangements.

Students should note that registration for online capstone courses closes Friday of week 7 of the prior session.

Students can request to add or drop a course through Sunday of week 1.

Self-Registration
Self-registration is the process of accessing the student information system and registering for a course or courses and/or dropping a course or courses. Students can self-

register via the University's student portal. Students may not drop all courses for the session via self-registration.

Those who have not completed required transitional studies coursework may not be able to self-register for courses until all transitional studies courses have been successfully completed. Permission to enroll in many standard courses is dependent on successful completion of such coursework.

Students who need registration assistance should contact a student support advisor.

Enrollment Status

Enrollment status is determined separately for each semester and is based on all courses in which the student was enrolled during the two sessions comprising the student's semester/student-centric period (SCP). Enrollment status is determined as of the first scheduled class in the student's earliest session (first day of the earliest session for online students).

Enrollment status is not affected by the date of application. Enrollment status is determined as follows:

Credit Hours Enrolled Per Semester/SCP	Enrollment Status
12 or more	Full time
9-11	Three-quarter time
6-8	Half time
Less than 6	Less than half time

Students who change their enrollment status also change their financial aid status, which may impact eligibility for financial aid.

The Department of Homeland Security requires F-1 students to maintain a full course of study in their program. Exceptions to this requirement must be approved and updated in the student's Student and Exchange Visitor Information System (SEVIS) record prior to a change in enrollment (visit the student handbook for more information). To maintain a full course of study, at least 12 credit hours per semester, students must enroll in no more than three credit hours in an online course and no fewer than nine credit hours in onsite courses. Additionally, F-1 students must enroll in at least one onsite course each eight-week session.

Course Schedules

Course schedules are available via the University's student portal. Courses not appearing on the schedule may be offered at students' request provided demand is sufficient and a qualified professor is available. Students have the ability to register for up to five sessions at a time.

Students should note that to accurately reflect current course material, course titles change periodically, though course code numbers (e.g., MGMT530) remain the same. Although a course with a given code number may be retaken, credit for a course with that code number can be granted only once.

Students are encouraged to seek academic advising regarding their program, courses or

schedules.

Registration - Financial
Students whose DeVry University accounts are past due may not be permitted to register until their accounts are current or until they have made satisfactory payment arrangements.

Course Loads
Students in good standing may register for as many as twelve semester-credit hours per session. Students may not register for more than the allowed semester-credit hours. Students whose academic histories indicate academic difficulties may be required to take a reduced academic load.

Repeated Courses
A course can be repeated two times only. Thus, a given course can be taken three times at most (i.e., the first attempt of the course and two repeats of the same course). A student may repeat a course once without permission. The third attempt must be approved by the appropriate academic administrator; subsequent attempts are not permitted (visit the Standards of Academic Progress section). If a course is repeated, the highest grade earned is used for computing the CGPA. Withdrawal from a course being repeated does not affect the CGPA.

If the repeated course was previously completed with a D or higher, the course can be taken one additional time only and be counted toward the student's enrollment status for federal financial aid purposes. Subsequent attempts will not be counted toward the student's enrollment status and may result in a reduction of financial aid awards.

Prior to registering for a course previously attempted, students should contact a student support advisor to determine how their financial assistance may be affected.

Certain courses may not be repeated.

Students taking Keller Graduate School of Management courses who must repeat a course for any reason are limited to one course repeat and must receive approval from the appropriate academic administrator to do so.

Prerequisite Enrollment
Students currently enrolled in prerequisite courses meet the prerequisite requirement for registration into subsequent courses. Students who do not successfully complete prerequisite course requirements are administratively dropped from any courses requiring the prerequisite. Students are also administratively dropped from courses if an Incomplete is recorded for the prerequisite course. Students are notified of dropped courses by email. A reduction in enrolled hours may affect financial aid eligibility and/or awards.

Additional Registration Requirements for International Students
Certain international students may be required to provide a statement of financial support or a sponsor letter indicating that tuition will be paid in advance of each semester and that a sponsor will provide all necessary living expenses for the international student. (Form I-134 may be used.) Most international students cannot receive U.S. federal financial assistance, nor can they work legally in the United States without appropriate permission.

Standards of Academic Progress Terminology

The U.S. Department of Education requires schools participating in federal student aid (FSA) programs to use the terms “financial aid warning” and “financial aid probation” when indicating students’ academic standing. These terms are used to indicate the academic standing of *all* students, including those not using FSA funds. Criteria for determining financial aid warning and academic warning are identical; criteria for determining financial aid probation and academic probation are identical.

Standards of Academic Progress

Students must demonstrate satisfactory academic progress toward completing their academic programs by meeting DeVry’s established standards of academic progress in each of five specific measurable areas:

- Grade point averages
- Successful completion of transitional studies coursework
- Course repeats
- Maximum coursework allowed
- Pace of progress toward graduation, including withdrawal from all courses

Grade point averages and pace calculations used to determine academic standing are based on all courses the student completes while enrolled as an undergraduate, regardless of the level of courses. The calculation for maximum coursework allowed is based on the required credit hours of the student’s primary program. All areas of academic progress are evaluated at the end of each student’s semester/student-centric period, and academic standing is assigned according to the evaluation. A summary of academic progress standards follows. Students should consult a student support advisor for policy details.

Requirements for Students Starting the Semester in Good Standing

New students, and all other students who start the semester in good standing, are subject to requirements noted below.

- ***Grade Point Averages***: To remain in good academic standing, a student must maintain a CGPA of 2.00 or higher. If at the end of the semester the CGPA is below 2.00, the student is placed on financial aid warning (academic warning).
- ***Successful Completion of Transitional Studies Coursework****:* To remain in good academic standing, a student must successfully complete all transitional studies coursework attempted. A student who attempts a transitional studies course and does not pass the course at some time during the semester is placed on financial aid warning (academic warning). A student who attempts the same transitional studies course twice in one semester and does not pass the course is dismissed. Required transitional studies coursework may affect program length and cost.
- ***Course Repeats***: To remain in good academic standing, a student must successfully complete all courses by the second attempt. A student who attempts a course a second time and at the end of the semester does not pass the course is placed on financial aid warning (academic warning). A student who attempts a course a third time and at the end of the semester does not pass the course is dismissed. Course repeats may affect program length and cost.
- ***Maximum Coursework Allowed****:* To remain in good academic standing, a student may

attempt no more than 1.5 times the number of credit hours in the current program. A student who exceeds this maximum and has not graduated is dismissed.

- ***Pace of Progress Toward Graduation, Including Withdrawal from All Courses:*** To remain in good academic standing, a student must earn credit toward graduation at a pace (rate of progress) that ensures successful program completion within the maximum coursework allowance. The pace of progress is the ratio of credit hours passed to credit hours attempted. Attempted semester credit hours include all enrolled courses and withdrawals as well as transfer and proficiency credit. Pace is measured using a specific percentage established for incremental ranges of attempted credit hours. In addition, at least one course must be completed during the semester. A student must ultimately pass at least 67 percent of attempted credit hours. A student who fails to maintain the minimum pace and has not graduated is placed on financial aid warning (academic warning). In addition, if the student withdraws from all courses during the semester, the student is placed on financial aid warning (academic warning).

Students starting the semester in good standing who do not meet all requirements are placed on financial aid warning (academic warning) or dismissed, as noted above. Students placed on financial aid warning (academic warning) may continue their studies for one semester without an appeal. However, these students should immediately seek academic advising and review all academic requirements carefully. Students dismissed for failing to meet standards of academic progress may submit an academic appeal and may not continue their studies unless the appeal is approved (visit the Academic Appeal section). Students with approved appeals are placed on financial aid probation (academic probation) and must follow a predetermined academic plan.

Requirements for Students Starting the Semester on Financial Aid Warning (Academic Warning) or Financial Aid Probation (Academic Probation)
Students who start the semester on financial aid warning (academic warning) or financial aid probation (academic probation) are subject to the general requirements noted below.

1. ***Students on Financial Aid Warning (Academic Warning):*** At the end of a financial aid warning (academic warning) semester, the student a) returns to good standing or b) is dismissed.
    - At the end of a financial aid warning (academic warning) semester, the student returns to good standing if *all* of the following occurred:
        - The student's CGPA was at least 2.00 or the student had never completed a GPA course.
        - The student passed all transitional studies courses attempted during the semester.
        - The student passed all courses attempted a second or subsequent time.
        - The student did not exceed the maximum coursework allowance.
        - The student met pace of progress standards, including completion of at least one course during the semester.
    - A student who does not return to good standing is dismissed.
2. ***Students on Financial Aid Probation (Academic Probation):*** At the end of a probationary semester, the student a) returns to good standing, b) remains on financial aid probation (academic probation) for one additional semester according to the predetermined academic plan or c) is dismissed.
    - At the end of a probationary semester, the student returns to good standing if *all* of

the following occurred:

- The student's CGPA was at least 2.00 or the student had never completed a GPA course.
- The student passed all transitional studies courses attempted during the semester.
- The student passed all courses attempted a second or subsequent time.
- The student did not exceed the maximum coursework allowance.
- The student met pace of progress standards, including completion of at least one course during the semester.

- At the end of the probationary semester, a student who does not return to good standing remains on financial aid probation (academic probation) for one additional semester according to the predetermined academic plan if *all* of the following occurred during the semester:
  - The student's CGPA was at least 2.00 or the student had never completed a GPA course; or the CGPA was less than 2.00 and the SGPA was at least 2.50.
  - The student passed all courses attempted.
  - The student did not exceed the maximum coursework allowance; or the student exceeded the maximum coursework allowance, and the semester pace was at least 67 percent.
  - The student maintained the required pace of progress; or the student did not maintain the required pace of progress, and the semester pace was at least 67 percent.
  - The student completed at least one course.

At the end of the additional probationary semester, the student returns to good standing if *all* of the following occurred:

- The student's CGPA was at least 2.00 or the student had never completed a GPA course.
- The student passed all transitional studies courses attempted during the semester.
- The student passed all courses attempted a second or subsequent time.
- The student did not exceed the maximum coursework allowance.
- The student met pace of progress standards, including completion of at least one course during the semester.

Otherwise, the student is dismissed.

- A student who does not meet requirements for returning to good standing, or for continuing for an additional semester on financial aid probation (academic probation), is dismissed.

Regulatory Policies

Institutional Complaint Policy

DeVry University has an established process for addressing complaints and concerns from students both informally and formally.

The University encourages students to first attempt to resolve concerns about their Keller education experience informally, by contacting the individual(s) most directly connected to the

concern. Students unable to resolve concerns through, or not comfortable with this informal process or with having direct conversations, can file a written (formal) complaint via the Written Complaint Procedure in the student handbook.

Ensuring confidentiality and prohibiting retaliation are integral to DeVry's Institutional Complaint Policy.

- **Confidentiality:** DeVry strives to foster an environment in which individuals feel free to discuss concerns and file complaints, and understands that those involved in the complaint resolution process may be concerned about confidentiality of information they share. While the University will maintain confidentiality to the extent possible and consistent with its obligations in investigating complaints, students should note that in some cases, DeVry University may be obligated to take action when it becomes aware of information relating to a complaint.

  Individuals who disclose identifying information to Keller through procedures in the student handbook are considered to have filed a formal complaint with the University. To the extent possible and appropriate, confidentiality of information received, privacy of individuals involved, and compliance with wishes of complainants or witnesses will be respected; however, they cannot be guaranteed.

- **Retaliation:** DeVry University prohibits retaliation against anyone who reports an incident of alleged harassment, discrimination or other unlawful conduct, and against anyone who assists or participates in a proceeding, investigation or hearing related to such allegations.

  Retaliation includes, but is not limited to, any form of intimidation, reprisal or harassment. All complaints of retaliation should be reported in accordance with complaint procedures in the student handbook. Students who believe procedures outlined would result in submitting their retaliation complaint to the person they believe is retaliating against them may submit complaints to the University's complaint coordinator Complaints@devry.edu, who will determine an appropriate party to address the retaliation complaint. Students should note that submitting a good-faith complaint, or reporting harassment, discrimination or other unlawful conduct, will not adversely affect their future grades, learning opportunities or academic environment. DeVry takes appropriate action against anyone retaliating against those reporting incidents of alleged harassment, discrimination or other unlawful conduct; or testifying, assisting and/or participating in a proceeding, investigation or hearing related to such allegations.

For all students, complaints involving allegations of disability or sex-based discrimination or harassment should be filed with the Title IX coordinator (visit the Title IX Compliance section).

Students not satisfied with the final disposition of the DeVry University complaint process may contact the state higher education approving authority, the University's accreditor or the state attorney general. Visit the University's Student Complaint Procedure web page for contact information for state higher education approving authorities and/or state attorney general offices.

In compliance with regulatory guidelines, complaint contact information for the

following state higher education approving authorities is also listed below.

Students Enrolled Online, Except California Residents

DeVry University is approved to participate in the National Council for State Authorization Reciprocity Agreement (SARA), which provides a voluntary, regional approach to state authorization of postsecondary distance (online) education. With that approval, and with approval from the Illinois Board of Higher Education, DeVry's distance (online) education programs are considered approved by reciprocity with other SARA member state higher education agencies. Visit the SARA website https://www.nc-sara.org/ for the most current list of participating states and a detailed description of SARA.

Students Enrolled Onsite, AND California Residents

- **Arizona:** Students completing courses at an Arizona location who wish to file a formal complaint should follow the process outlined above. If the student complaint cannot be resolved after exhausting the Institution's grievance procedure, under A.R.S. § 32-3052, the student may file a complaint with the Arizona State Board for Private Postsecondary Education. The student must contact the State Board for further details. Arizona State Board for Private Postsecondary Education, 1740 W. Adams, 3rd Flr., Phoenix, AZ 85007, 602.542.5709, https://ppse.az.gov/student-complaint-procedure Students enrolled online who wish to file a formal complaint should follow the process outlined above. Steps and time frames involved in the grievance procedure are outlined in the student handbook.
- **California:** A student or any member of the public may file a complaint about this institution with the California Bureau for Private Postsecondary Education by calling 888.370.7589 or by completing a complaint form, which can be obtained on the Bureau's website, https://www.bppe.ca.gov.
- **Florida:** Florida Department of Education, Commission for Independent Education, 325 W. Gaines St., Ste. 1414, Tallahassee, FL 32399-0400, cieinfo@fldoe.org, 850.245.3238 (fax), https://www.fldoe.org/about-us/office-of-the-inspector-general/file-a-complaint.stml
- **Georgia**: Georgia Nonpublic Postsecondary Education Commission, 2082 E. Exchange Pl., Ste. 220, Tucker, GA 30084, 770.414.3300, https://gnpec.georgia.gov/student-resources/complaints-against-institution.
- **Illinois**: Illinois Board of Higher Education through the online complaint system https://complaints.ibhe.org or by mail to 1 N. Old State Capitol Plaza, Ste. 333, Springfield, IL 62701-1377.
- **New Jersey**: New Jersey Office of the Secretary of Higher Education, Attn: Complaints, 1 John Fitch Plaza, 10th Flr., P.O. Box 542, Trenton, NJ 08625-0542, 609.292.4310, https://www.nj.gov/highereducation/OSHEComplaintInstructions.shtml.
- **New York**: Office of College and University Evaluation, New York State Education Department, 89 Washington Ave., Room 960 EBA, Albany, NY 12234, 518.474.1551,ocueinfo@nysed.gov, https://www.nysed.gov/college-university-evaluation/complaints.
- **Ohio:** Ohio Department of Higher Education, 25 S. Front St., Columbus, OH 43215, 614.466.6000, https://highered.ohio.gov/students/current-college-students/studentcomplaints/student-complaints.
- **Texas**: Texas Higher Education Coordinating Board https://www.highered.texas.gov/student-complaints rules governing student complaints in Texas can be found at https://texas-sos.appianportalsgov.com/rules-and-meetings?

interface=LANDING_PAGE.

- **Virginia**: In Virginia, students who do not feel they received a satisfactory resolution to their complaint may contact the State Council of Higher Education for Virginia (SCHEV), Attn: Private and Out-of-State Postsecondary Education, 101 N. 14th St., 9th Flr., James Monroe Bldg., Richmond, VA 23219 https://www.schev.edu/students/resources/student-complaints as a last resort in the complaint process. Students will not be subject to adverse action as a result of initiating a complaint with SCHEV. The Virginia State Approving Agency (SAA) is the approving authority of education and training programs for Virginia. Their office investigates complaints of GI Bill® beneficiaries. While most complaints should initially follow the school grievance policy, if the situation cannot be resolved at the school, the beneficiary should contact the SAA office via email saa@dvs.virginia.gov.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Web site at https://www.benefits.va.gov/gibill/.

As DeVry is an Illinois-based institution approved to participate in SARA, online students not satisfied with the final disposition of the DeVry complaint process may contact the Illinois Board of Higher Education through the online complaint system, https://complaints.ibhe.org, or by mail to 1 N. Old State Capitol Plaza, Ste. 333, Springfield, IL 62701-1377.

Rights and Responsibilities

Privacy Act

DeVry complies with the Family Educational Rights and Privacy Act of 1974, as amended. This Act protects the privacy of students' educational records, establishes students' rights to inspect and review their academic records, and provides guidelines for correcting inaccurate and misleading data through informal and formal hearings.

DeVry's policy on releasing student-related information explains our procedures for complying with the Act's provisions. Copies of the policy are available in the student handbook.

Nondiscrimination Policy

DeVry University is committed to providing an academic and professional environment free of discrimination based on race, color, national origin, sex, sexual orientation, gender identity, gender expression, age, disability, military or veteran status, religion, political affiliation, genetic information or any classification protected by law. Harassment that is based on any of these characteristics is a form of discrimination. This policy on nondiscrimination applies to admission, enrollment, employment, and access to, and participation in, all University programs and activities.

In addition, DeVry complies with federal and state laws prohibiting discrimination and harassment based on the above characteristics and will not tolerate, condone or allow discrimination or harassment, whether engaged in by fellow students, faculty members, or nonfaculty colleagues. Individuals who wish to file a discrimination or harassment complaint may contact:

• Sex and Gender-Based Complaints: Title IX Coordinator, TitleIX@devry.edu
• Disability Complaints: ADA/504 Coordinator, ADA@devry.edu
• All Other Classifications Complaints: Complaint Coordinator, Complaints@devry.edu

Individuals may also submit external inquiries to the U.S. Department of Education:

U.S. Department of Education
Office for Civil Rights
Lyndon Baines Johnson Department of Education Bldg.
400 Maryland Ave., SW, Washington, DC 20202-1100
Telephone: 800.421.3481
TDD: 800.877.8339
FAX: 202.453.6012
Email: OCR@ed.gov

Title IX Compliance
DeVry University's Title IX Coordinator is responsible for overseeing compliance of DeVry University's Title IX and Sexual Misconduct Policy. Questions regarding application of Title IX and compliance should be directed to the Title IX Coordinator. The Title IX Coordinator is also responsible for managing reports of sex and gender-based discrimination including, but not limited to, sexual harassment and sexual misconduct affecting the campus community. Students who wish to make a report of sexual misconduct affecting the campus community should follow the procedures published on DeVry University's Title IX web page.

Ashley Hartoin
Title IX Coordinator
4225 Naperville Rd., Ste. 400, Lisle, IL 60563
TitleIX@devry.edu
630.245.4706

Leanne Brumley
Deputy Title IX Coordinator
4225 Naperville Rd., Ste. 400, Lisle, IL 60532
TitleIX@devry.edu
630.799.9029

Drug-Free Schools and Communities Act
DeVry complies with the Drug-Free Schools and Communities Act and forbids use, possession, distribution or sale of drugs or alcohol by students, faculty or staff anywhere on University property. Anyone in violation of state, federal or local regulations, with respect to illegal drugs or alcohol, may be subject to both criminal prosecution and University disciplinary action.

Intellectual Property Rights
In accordance with the law of copyright, faculty-assigned student writings, including answer material for tests, projects, research papers and business plans prepared in connection with any course, are the property of DeVry University and may be used by the University for educational purposes.

Campus Crime and Security Act
DeVry complies with the Campus Crime and Security Act of 1990 and publishes the required campus crime and security report on October 1 of each year. A copy of the crime and security

report can be obtained from the U.S. Department of Education's Campus Safety and Security Data Analysis website at https://ope.ed.gov/campussafety/#/.

Should students be witnesses to or victims of a crime, they should immediately report the incident to the local law enforcement agency. Emergency numbers are located throughout the University.

Safety Information
The security of all University members is a priority. Each year DeVry publishes a report outlining security and safety information, as well as crime statistics for the community. This report provides suggestions about crime prevention strategies as well as important policy information on emergency procedures, reporting of crimes and support services for victims of sexual assault. The report also contains information about DeVry's policy on alcohol and other drugs, and informs students where to obtain a copy of the alcohol and drug policy. This report is available at DeVry or by calling 800.73.DEVRY.

For students attending locations in New York, the Advisory Committee on Campus Safety will provide upon request all campus crime statistics as reported to the United States Department of Education.

Academic Freedom
DeVry University supports development of autonomous thought and respect for others' ideas. As such, members of the DeVry community, including students and colleagues, including full-time and part-time faculty, are free to discuss their questions and express their opinions both publicly and privately within the boundaries of the Code of Conduct and Colleague Handbook and other reasonable behavioral expectations, such as those included in other University policies.

Rules and Enrollment Conditions
All students are expected to observe DeVry University's Code of Conduct. A detailed listing of all student rights, privileges and responsibilities can be found in the student handbook.

DeVry expects mature and responsible behavior from students and strives to create and maintain an environment of social, moral and intellectual excellence. DeVry reserves the right to suspend or permanently expel students whose work or conduct is deemed unsatisfactory.

Explanations of the academic integrity policy, Code of Conduct, disciplinary process and institutional complaint procedures are provided in the student handbook.

Plagiarism Prevention
As part of our commitment to academic integrity, DeVry subscribes to an online plagiarism prevention system. Student work may be submitted to this system, which protects student privacy by assigning code numbers, not names, to all student work stored in its databases.

Tardiness and Missed Class Time
Students enrolled in blended/hybrid courses (visit the Course Delivery section) are expected to be present at the beginning of, and throughout, each class meeting.

Excessive tardiness and/or early class departure may affect students' ability to master course

material, and professors may consider time in class when computing students' grades.

This policy does not apply to students enrolled in online courses.

Disciplinary Action
A student who has potentially breached the University's rules or conduct standards is referred to the designated conduct administrator (visit the student handbook). The conduct administrator will proceed according to the University's student Code of Conduct, published in the student handbook. The Code of Conduct defines the University's conduct standards and provides a process that allows for notice to the student, an opportunity to respond and participate in the process, and an opportunity to appeal. Sanctions that may be imposed as the result of a Code of Conduct proceeding are also listed in the published Code of Conduct.

Note: A notation is applied to the transcripts of online students who reside in New York, and to students enrolled at New York locations, who are found responsible for certain code of conduct violations or who withdraw during certain code of conduct violation proceedings.

Rescinding Award Conferrals
DeVry University reserves the right to sanction a student or graduate with permanent expulsion from all DeVry institutions, including other DeVry University locations. DeVry also reserves the right to rescind award conferrals if they were based on submission of documents that were forged, fraudulent, altered, obtained inappropriately, materially incomplete or otherwise deceptive, or if a student or graduate misused DeVry academic documents.

Students or alumni who submit fraudulent documents or misuse DeVry University academic documents are afforded rights to a hearing under the Code of Conduct. The misconduct is adjudicated using procedures specified in the Code of Conduct and may result in University expulsion.

Students and graduates whose award conferrals are rescinded remain responsible for fulfilling financial obligations to any DeVry institution; federal, state and local governments; and private loan providers.

Rescinding Admission
Applicants who submit documents that are forged, fraudulent, altered, obtained inappropriately, materially incomplete or otherwise deceptive may be denied admission or have their admission rescinded.

For those already enrolled when a fraudulent document is discovered, the misconduct is adjudicated using procedures specified in the Code of Conduct and may result in rescission of admission; revocation of a financial aid award; and/or in permanent expulsion from all DeVry institutions, including other DeVry University locations.

Students whose admission is rescinded remain responsible for fulfilling financial obligations to any DeVry institution; federal, state and local governments; and private loan providers.

Graduation Rates
DeVry complies with the Student Right to Know Act and annually prepares the graduation rate of

its degree-seeking, full-time undergraduate students who have graduated by the end of the 12-month period ending August 31, during which 150 percent of the normal time for graduation from their program has elapsed.

This information is available on the University's Student Consumer Information and Disclosures web page; from DeVry admissions staff, by calling 800.73.DEVRY; or by contacting a student support advisor.

Student Conduct

All students are expected to observe DeVry University's Code of Conduct. Mature behavior and conduct consistent with the highest professional standards are expected of every student while on University property or engaging in University-related online activities. DeVry University reserves the right to suspend or permanently expel students who engage in unsatisfactory conduct such as dishonesty; failure to adhere to rules and regulations, including those stated in the Code of Conduct, and failure to exhibit proper online etiquette; destruction or theft of property; participation in activity that impinges on the rights of others; or possession or consumption of alcoholic beverages or illegal drugs at any time on University premises. A detailed listing of all student rights, privileges, and responsibilities can be found in the student handbook.

Academic and Professional Conduct

Students have a responsibility to maintain both the academic and professional integrity of the University, and to meet the highest standards of academic and professional conduct. Students are expected to do their own work on exams, class preparation and assignments, and to conduct themselves professionally when interacting with fellow students, faculty and staff. Students must also make equitable contributions to both the quality and quantity of work performed on group projects.

Academic and/or professional misconduct is subject to disciplinary action, including being placed on financial aid probation (academic probation), failing a graded course component, failing a course or being suspended or permanently expelled. Student academic misconduct includes, but is not limited to:

- Exams/quizzes – using unauthorized notes, looking at classmates' test papers or providing others with answers during exams/quizzes (including online exams/quizzes)
- Course assignments/projects – collaborating with others on assignments intended to be completed independently or submitting another student's work as one's own
- Research reports – plagiarizing (using others' ideas, words, expressions or findings without acknowledging the source)
- Online coursework – submitting work or threaded discussions under false pretenses or not in conformance with professor or DeVry authorship policies

Professional misconduct includes, but is not limited to, displaying disruptive behavior; using offensive verbal and/or written language, including symbols and emojis, during class participation or in electronic communication to faculty, staff and/or other students; bribing or threatening faculty, staff and/or other students; falsifying student records; attempting to improperly influence professors or University officials; and willfully or recklessly transferring computer viruses.

A notation is applied to the transcripts of online students who reside in New York, and to students enrolled at New York locations, who are found responsible for certain code of conduct violations or who withdraw during certain code of conduct violation proceedings.

Disciplinary Action
A student who has potentially breached the University's rules or conduct standards is referred to the designated conduct administrator (visit the student handbook). The conduct administrator will proceed according to the University's student Code of Conduct, published in the student handbook. The Code of Conduct defines the University's conduct standards and provides a process that allows for notice to the student, an opportunity to respond and participate in the process, and an opportunity to appeal. Sanctions that may be imposed as the result of a Code of Conduct proceeding are also listed in the published Code of Conduct.

A notation is applied to the transcripts of online students who reside in New York, and to students enrolled at New York locations, who are found responsible for certain code of conduct violations or who withdraw during certain code of conduct violation proceedings.

University Suspension or Expulsion
Code of conduct violations can result in university suspension and expulsion.

Students suspended for a defined period of time are eligible to graduate once their suspension has been lifted and all graduation requirements have been fulfilled. Those expelled from the University are not eligible to graduate.