2021 - 2022 ACADEMIC CATALOG

UNDERGRADUATE EDUCATION

Volume XL
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DeVry University

In New York State, DeVry University operates as DeVry College of New York.

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

Volume XL; effective July 12, 2021 through July 31, 2022. Information updated after this date, including additions and amendments, is available via https://www.devry.edu/catalogs. The newest version 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 West Elm Street, Greenwich, CT 06830, 630.799.0400. DeVry University operates as DeVry College of New York in New York.

Program availability varies by location. 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. Information contained herein effective November 1, 2021.

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.

Message from the President

Dear Student,

Welcome to the DeVry University family, and congratulations on taking this important step toward realizing your educational goals. Know that our talented faculty and committed student support staff will be there for you every step of the way. It is our goal to help you become a successful student, and ultimately, a successful graduate of DeVry University.

As a DeVry student, you will be a part of an institution with a heritage of innovation. Our forward-thinking founder, Dr. Herman DeVry, believed that visual learning would advance education – and change the world. With his invention of the first portable movie projector, he expanded the reach of film, bringing movies out of the theater and into businesses, homes and most importantly, into classrooms. In 1931, he established an institution of higher learning, envisioning the kind of technology-focused, hands-on education that DeVry University still stands for today.

Through our educational options, you have the opportunity to pursue career-focused, real-world degree programs and credentials, experience a variety of class environments to complement your learning style, and tailor your class schedule to fit your life.

What We Teach
Technology is at the core of many of our associate, bachelor's and certificate programs with a TechPath educational approach. Every TechPath class revolves around a unique learning rubric to help you gain skills in collaboration, adapt to new structures, create innovative ways of working, and be knowledgeable working with data and using a wide spectrum of tech-forward tools. We believe our TechPath approach helps address a growing technology skills gap among current U.S. employees and job applicants[1], offering a distinct value that can help our graduates stand out in the modern workplace.

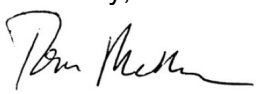
Where We Teach
Whether you take courses at one of our locations or online; our faculty and administrators are there to support you.

How We Teach
DeVry professors bring years of real-world experience into your classes. They know their students by name and encourage, mentor and believe in them. In addition, we have a committed support staff who guide students through scheduling and finances and coach them on career preparation. These are the hallmarks of how we educate and support our students.

Why We Teach
Seeing our students reach their potential and transform their lives is an awe-inspiring experience. It is what wakes us up in the morning and inspires us each day. We are lucky to be part of something so incredible and so important. This is why we are proud to have awarded more than 200,000 undergraduate degrees nationwide.

We are grateful for the opportunity to contribute toward your future success and we are excited about what lies ahead for you. All the best as you continue your educational journey.

Sincerely,



President & CEO, DeVry University

[1] Career Advisory Board, "Exploring America's Tech Skills Gap and the Parallel Deficits of Applied Tech Skills and Hard Tech Skills," 2017 – executive summary – page 2, second paragraph

Mission, Accreditation & State Authorization

Mission and Accountability Principles
DeVry University strives to close our society's opportunity gap 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.

In addition, DeVry's Accountability Principles support the mission and hold the University publicly accountable for doing what's best for students. DeVry's Accountability Principles are currently focused on four areas:

- Academic and Student Support
- Accountability and Transparency
- Financial Literacy and Responsible Borrowing
- Responsible Recruiting and Enrollment

More information about DeVry's Accountability Principles can be found on the DeVry website at https://www.devry.edu/about/accountability-principles.html.

Institutional Accreditation
Note: Copies of documents describing DeVry University's accreditation, as well as its state and federal approvals, are available for review from the chief location administrator.

In the United States, current or prospective students may review information regarding accreditation, approvals and licensing by contacting the chief location administrator.

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

The 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 the HLC is:

The Higher Learning Commission
230 S. LaSalle St., Ste. 7-500, Chicago, IL 60604
800.621.7440
www.hlcommission.org

DeVry University is a member of the Council for Higher Education Accreditation, a national advocate and institutional voice for self-regulation of academic quality through accreditation. CHEA, an association of 3,000 degree-granting colleges and universities, recognizes 60 institutional and programmatic accrediting organizations.

Programmatic Accreditation and Recognition

ACBSP

The following DeVry University programs have achieved voluntary accreditation from the Accreditation Council for Business Schools and Programs (ACBSP), www.acbsp.org, demonstrating that they have met standards of business education that promote teaching excellence:

- Associate of Applied Science in Accounting
- Associate of Applied Science in Business
- Bachelor of Science in Business Administration
- Bachelor of Science in Management
- Bachelor of Science in Technical Management

The ACBSP has also granted specialized accounting accreditation to the following established DeVry University degree programs: Bachelor of Science in Accounting; Bachelor of Science in Business Administration with a specialization in accounting; Bachelor of Science in Management with a specialization in accounting; Bachelor of Science in Technical Management with a specialization in accounting.

ETAC of ABET

The following programs are accredited by the Engineering Technology Accreditation Commission of ABET (ETAC of ABET), www.abet.org:

Baccalaureate Biomedical Engineering Technology
Addison, Chicago, Columbus, Decatur, Ft. Washington, Newark, Irving, Midtown Manhattan, Miramar, North Brunswick (Iselin), Orlando, Phoenix, Tinley Park

Baccalaureate Computer Engineering Technology
Addison, Alpharetta, Arlington, Chicago, Columbus, Decatur, Ft. Washington, Newark, Irving, Kansas City, Long Beach, Midtown Manhattan, Miramar, Orlando, Phoenix, Pomona, Sherman Oaks, Tinley Park, Westminster

Baccalaureate Electronics Engineering Technology
Addison, Alpharetta, Arlington, Chicago, Columbus, Decatur, Folsom, Ft. Washington, Newark, Irving, Kansas City, Long Beach, Midtown Manhattan, Miramar, North Brunswick (Iselin), Orlando, Phoenix, Pomona, Sherman Oaks, Tinley Park, Westminster

Baccalaureate Engineering Technology – Computers
Online
Baccalaureate Engineering Technology – Electronics
Online

The most recent information on ETAC of ABET accreditation is available at each location and at www.devry.edu/academics/accreditation.html.

CAHIIM

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

Associate Health Information Technology
Online

Baccalaureate Technical Management with Health Information Management Specialty
Online

The most recent information on CAHIIM accreditation is available at www.devry.edu.

GAC
DeVry University's Business Administration 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, as is the Management program 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 www.pmi.org.

SHRM
The Society for Human Resource Management (SHRM) has acknowledged that the following programs fully align with SHRM's *HR Curriculum Guidebook and Templates*: Business Administration, with human resource management major/concentration; Management, with human resource management concentration; Technical Management, with human resource management technical specialty. More information on SHRM is available at www.shrm.org.

Note: In New York State, DeVry University operates as DeVry College of New York.

State Authorization
State authorization information for DeVry University locations and distance (online) education is provided below.

State Relocation Notice to Students
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 Student Central 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, continue, or transfer to a particular program, as not all programs may be approved by a state authorization agency.

State Authorization of DeVry University Locations
DeVry University holds the required state authorization in each state where DeVry has a location. Please refer to the list below.

State Authorization of Distance Education
DeVry University does not participate in the State Authorization Reciprocity Agreement (SARA). States have varying requirements governing distance (online) education offered by postsecondary institutions. DeVry's distance education authorizations are listed below.

Alabama: DeVry holds a Private School License from the Alabama Community College System, 135 South Union Street, Montgomery, AL 36104, 334.293.4500. DeVry is exempt from the Alabama Commission on Higher Education's programmatic review.

Alaska: DeVry has been issued an exemption by the Alaska Commission on Postsecondary Education, P.O. Box 110505, Juneau, AK 99811. DeVry's programs are exempt from authorization under AS 14.48 and 20 AAC 17.015 because the programs are online or distance delivered and do not have a physical presence in the state.

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.

Arkansas: DeVry University has been granted certification by the Arkansas Higher Education Coordinating Board, 423 Main Street, Suite 400, Little Rock, AR 72201, for certain undergraduate and graduate programs offered by distance education. Arkansas Higher Education Coordinating Board certification does not constitute an endorsement of any institution or program. Such certification merely indicates that certain criteria have been met as required under the rules and regulations implementing institutional and program certification as defined in Arkansas Code §6-61-301. The student should be aware that these degree programs may not transfer. The transfer of course/degree credit is determined by the receiving institution.

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. For additional information, please visit the Bureau's Internet website at www.bppe.ca.gov
DeVry holds Registration of Out of State Institution for distance education from the California Bureau for Private Postsecondary Education.

Colorado: DeVry holds full authorization to operate by the Colorado Commission on Higher Education, 1600 Broadway, Ste. 2200, Denver, CO 80202, 303.862.3001.

Connecticut: DeVry is registered to offer online courses/programs to Connecticut residents by the Connecticut Office of Higher Education, 450 Columbus Blvd., Hartford, CT 06103, 860.947.1800.

Delaware: DeVry has been granted an operating license to offer courses, programs and/or degrees to Delaware residents by the Delaware Department of Education, 401 Federal Street, Suite 2, Dover, DE 19901, 302.735.4000.

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 West Gaines Street, Suite 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 East Exchange Place, Suite 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 webpage at http://complaints.ibhe.org.

Indiana: This institution is authorized by: The Indiana Commission for Higher Education/Indiana Board for Proprietary Education 101 West Ohio Street, Suite 300 Indianapolis, IN 46204-4206.

Iowa: DeVry University is registered to offer distance education programs in Iowa by the Iowa College Student Aid Commission. Students with concerns or complaints may contact Iowa College Aid at: 877.272.4456, https://www.iowacollegeaid.gov/StudentComplaintForm.

Kansas: DeVry is approved by the Kansas Board of Regents, 1000 SW Jackson St., Ste. 520, Topeka, KS 66612, 785.430.4240.

Kentucky: DeVry University is licensed by the Kentucky Council on Postsecondary Education, 1024 Capital Center Drive, Suite 320, Frankfort, KY 40601, 502.573.1555.

Louisiana: DeVry University is currently licensed by the Board of Regents of the State of Louisiana, P.O. Box 3677, Baton Rouge, LA 70821. Licenses are renewed by the State Board of Regents every two years. Licensed institutions have met minimal operational standards set forth by the state, but licensure does not constitute accreditation, guarantee the transferability of credit, nor signify that programs are certifiable by any professional agency or organization.

Maine: DeVry qualified for the exemption from Maine law, Title 20-A, Maine Revised Statutes, Chapter 409 and from the Maine Department of Education Rule, Chapter 149, Procedures For Obtaining Authorization For Institutions Of Higher Education To Confer Academic Degrees Or to Offer Degree Courses/Programs in the State of Maine. Maine Department of Education, 23 State House Station, Augusta, ME 04333.

Maryland: DeVry University is registered with the Maryland Higher Education Commission, 6 N. Liberty St., 10th Flr., Baltimore, MD 21201, 410.767.3300.

Michigan: DeVry is licensed by the Michigan Department of Licensing and Regulatory Affairs, P.O. Box 30018, Lansing, MI 48909, 517.241.9221 for out of state distance education.

Minnesota: DeVry University is registered with the Minnesota Office of Higher Education, 1450 Energy Park Drive, Ste. 350, St. Paul, MN 55108, 651-642-0567, www.ohe.state.mn.us, pursuant to sections 136A.61 to 136A.71. Registration is not an endorsement of the institution. Credits earned at the institution may not transfer to all other institutions. The Bachelor of Science in Accounting is not a “CPA Pathway” program.

Missouri: DeVry is certified to operate by the Missouri Department of Higher Education, 205 Jefferson St., Jefferson City, MO 65102-1469, 573.751.2361.

Montana: DeVry is authorized to offer post-secondary degree programs in Montana by the Montana University System Office of the Commissioner of Higher Education, 560 N. Park Ave., Helena, MT 59620, 406.449.9124.

Nevada: DeVry is licensed to operate in the state of Nevada by the Nevada Commission on Postsecondary Education, 1860 E. Sahara Ave., Las Vegas, NV 89104, 702.486.7330.

Note: The state of Nevada requires students to meet its requirement for study of the Nevada and U.S. constitutions. DeVry's POLI332 course fulfills this requirement.

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.

New Mexico: DeVry holds a Distance Education Authorization Certificate from the New Mexico Higher Education Department, 2044 Galisteo Street, Suite 4, Santa Fe, NM 87505, 505.476.8400.

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 Avenue, 5 North Mezzanine, Albany, NY 12234, 518.474.2593.

North Carolina: DeVry has been evaluated by the University of North Carolina (910 Raleigh Rd., Chapel Hill, NC 27515, 919.962.4559) and is licensed to conduct higher education degree activity. The School's guaranty bond for unearned prepaid tuition is on file with the Board of Governors of the University of North Carolina and may be viewed by contacting the Regulatory Affairs Department at DeVry University.

North Dakota: DeVry is authorized to operate in North Dakota under North Dakota Century Code 15-18.1. North Dakota University System, 2000 44th St. SW, Suite 301, Fargo, ND, 58103.

Ohio: DeVry holds Certificate of Authorization by the Ohio Department of Higher Education, 25 South Front Street, Columbus, OH 43215, 614.466.6000.

Oregon: This school is a unit of a business corporation authorized by the State of Oregon to offer and confer the academic degrees described herein, following a determination that state academic standards will be satisfied under OAR chapter 583, division 30. Inquiries concerning the standards or school compliance may be directed to the Oregon Higher Education Coordinating Commission, 255 Capitol Street NE, Salem, OR 97310.

Pennsylvania: DeVry is approved and authorized to operate by the Pennsylvania Department of Education, 333 Market Street, Harrisburg, PA 71726, 717.783.8228. In Pennsylvania, instructional hours for all courses scheduled to meet on days falling on recognized holidays will be made up by one or more of the following deemed appropriate by the faculty and approved by the dean of academic excellence: lengthened class sessions, pre-course readings, team projects, group meetings.

DeVry is registered with the Pennsylvania Department of Education as an out-of-state distance education provider to enroll residents of Pennsylvania in distance education programs.

South Carolina: DeVry University is licensed by the South Carolina Commission on Higher Education, 1122 Lady St., Ste. 300, Columbia, SC, 29201, 803.737.2260. Licensure indicates only that minimum standards have been met; it is not equal to or synonymous with accreditation by an accrediting agency recognized by the U.S. Department of Education.

Note: DeVry is licensed by the South Carolina Commission on Higher Education to recruit South Carolina residents into programs at on-ground campuses in Charlotte, NC; Decatur, GA; Orlando, FL and online through its Illinois campus.

Tennessee: DeVry University has been granted optional expedited authorization by the Tennessee Higher Education Commission, Parkway Towers, Suite 1900, Nashville, TN 37243, 615.741.5293.

Texas: DeVry is authorized to grant degrees by the Texas Higher Education Coordinating Board, P.O. Box 12788, Austin, TX 78711, 512.427.6223, 512.427.6168 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.

Utah: DeVry is registered under the Utah Postsecondary Proprietary School Act (Title 13, Chapter 34, Utah Code). Registration under the Utah Postsecondary Proprietary School Act does not mean that the State of Utah supervises, recommends, nor accredits the institution. It is the student's responsibility to determine whether credits, degrees, or certificates from the institution will transfer to other institutions or meet employers' training requirements. This may be done by calling the prospective school or employer. State of Utah, Department of Commerce, 160 East 300 South, Salt Lake City, UT 84114.

Virginia: DeVry is certified to operate by the State Council of Higher Education for Virginia, 101 North 14th Street, 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, in conjunction with the Provost and Vice President of Academic Excellence, 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.

West Virginia: DeVry has been issued a permit to operate by the West Virginia Higher Education Policy Commission, 1018 Kanawha Blvd., East, Suite 700, Charleston, WV 25301.

Wisconsin: The Wisconsin Educational Approval Program, 4822 Madison Yards Way, WI 53705, 608.266.2112 certifies that DeVry University (Online) has been approved and is legally authorized to do business in the state of Wisconsin as a private postsecondary school, subject to the provisions of 440.52 Wisconsin Statutes, and all administrative rules adopted pursuant to the statutes.

Wyoming: DeVry is authorized to offer educational services to Wyoming students by the Wyoming Department of Education, 122 W. 25th St., Suite E200, Cheyenne, WY 82002, 307.777.7675.

DeVry University's distance (online) education programs are not subject to authorization in all states. Therefore, DeVry may offer online programs to residents of the following states without separate approval: Hawaii, Idaho, Massachusetts, Mississippi, Nebraska, New Hampshire, South Dakota, Vermont, and Washington.

DeVry University is not able to offer distance education programs to Rhode Island or Washington D.C. residents at this time.

Oklahoma residents may enroll in DeVry University's degree programs. However, at this time, Oklahoma residents interested in DeVry University's undergraduate certificate programs are only eligible to enroll in the Undergraduate Certificate in Medical Billing and Coding or the Undergraduate Certificate in Medical Billing and Coding – Health Information Coding.

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.

Academic Calendar

DeVry delivers courses in a session format, with two eight-week sessions offered each semester. Months corresponding to DeVry's summer, fall and spring semesters are designated in two overlapping calendar cycles. At the time students matriculate, they are assigned to either a Cycle 1 or a Cycle 2 calendar schedule (see *Student-Centric Period*).

Note: Each session, instruction ends at 11:59 pm MT on Saturday of week eight. No instruction occurs on holidays or during break periods indicated below.

Cycle 1

2021 Winter Break: Sunday–Sunday, December 19–January 2
2022 Spring Break: Sunday–Sunday, April 24–May 1
***2022 Summer Break*:** Sunday-Sunday, June 26-July 3
2022 Winter Break: Sunday–Sunday, December 18–January 1

Cycle 1: 2021 Fall Semester	**August 30, 2021– December 18, 2021**
September 2021 Session	
Monday, August 30	Session Begins
Monday, September 6	Labor Day Holiday
Saturday, October 23	Session Ends
November 2021 Session	
Monday, October 25	Session Begins
Thursday–Friday, November 25–26	Thanksgiving Break
Saturday, December 18	Session Ends
Winter Break: Sunday–Sunday, December 19–January 2	
Cycle 1: 2022 Spring Semester	**January 3, 2022– April 23, 2022**
January 2022 Session	
Monday, January 3	Session Begins
Monday, January 17	Martin Luther King Jr., Day Holiday
Saturday, February 26	Session Ends
March 2022 Session	
Monday, February 28	Session Begins
Friday, April 15	Spring Holiday
Saturday, April 23	Session Ends
Spring Break: Sunday–Sunday, April 24–May 1	
Cycle 1: 2022 Summer Semester	**May 2, 2022– August 27, 2022**
May 2022 Session	
Monday, May 2	Session Begins
Monday, May 30	Memorial Day Holiday
Saturday, June 25	Session Ends
Summer Break: Sunday-Sunday, June 26-July 3	
July 2022 Session	
Monday, July 4	Session Begins, Independence Day Holiday
Saturday, August 27	Session Ends
Cycle 1: 2022 Fall Semester	**August 29, 2022– December 17, 2022**
September 2022 Session	
Monday, August 29	Session Begins
Monday, September 5	Labor Day Holiday
Saturday, October 22	Session Ends
November 2022 Session	
Monday, October 24	Session Begins
Thursday–Friday, November 24–25	Thanksgiving Break
Saturday, December 17	Session Ends
Winter Break: Sunday–Sunday, December 18–January 1	

Cycle 2

2021 Winter Break: Sunday–Sunday, December 19–January 2
2022 Spring Break: Sunday–Sunday, April 24–May 1
***2022 Summer Break*:** Sunday-Sunday, June 26-July 3
2022 Winter Break: Sunday–Sunday, December 18–January 1

Cycle 2: 2021 Fall Semester	**October 25, 2021– February 26, 2022**
November 2021 Session	
Monday, October 25	Session Begins
Thursday–Friday, November 25–26	Thanksgiving Break
Saturday, December 18	Session Ends
Winter Break: Sunday–Sunday, December 19–January 2	
January 2022 Session	
Monday, January 3	Session Begins
Monday, January 17	Martin Luther King Jr., Day Holiday
Saturday, February 26	Session Ends
Cycle 2: 2022 Spring Semester	**February 28, 2022– June 26, 2022**
March 2022 Session	
Monday, February 28	Session Begins
Friday, April 15	Spring Holiday
Saturday, April 23	Session Ends
Spring Break: Sunday–Sunday, April 24 – May 1	
May 2022 Session	
Monday, May 2	Session Begins
Monday, May 30	Memorial Day Holiday
Saturday, June 25	Session Ends
Summer Break: Sunday-Sunday, June 26-July 3	
Cycle 2: 2022 Summer Semester	**July 4, 2022– October 22, 2022**
July 2022 Session	
Monday, July 4	Session Begins, Independence Day Holiday
Saturday, August 27	Session Ends
September 2022 Session	
Monday, August 29	Session Begins
Monday, September 5	Labor Day Holiday
Saturday, October 22	Session Ends
Cycle 2: 2022 Fall Semester	**October 24, 2022– February 25, 2023**
November 2022 Session	
Monday, October 24	Session Begins
Thursday–Friday, November 24–25	Thanksgiving Break
Saturday, December 17	Session Ends
Winter Break: Sunday–Sunday, December 18–January 1	
January 2023 Session	
Monday, January 2	Session Begins
Monday, January 16	Martin Luther King Jr., Day Holiday
Saturday, February 25	Session Ends

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 is why our programs are infused 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.

Explore TechPath programs through the links below:

COLLEGE OF BUSINESS & MANAGEMENT

Certificate

- Business Essentials

Associate Degrees

- Business

Bachelor's Degrees

- Accounting
- Management
- Technical Management

COLLEGE OF ENGINEERING & INFORMATION SCIENCES

Certificate

- Cyber Security
- Information Technology Essentials
- Networking Essentials
- Programming Essentials

Associate Degrees

- Engineering Technology
- Information Technology & Networking
- Network Systems Administration

Bachelor's Degrees

- Engineering Technology
- Information Technology & Networking
- Network & Communications Management
- Computer Information Systems
- Software Development

COLLEGE OF MEDIA ARTS & TECHNOLOGY

Certificates

- Website Design
- Website Development

Bachelor's Degrees

- Multimedia Design & Development

COLLEGE OF HEALTH SCIENCES

Certificates

- Medical Billing & Coding
- Medical Billing & Coding Program – Health Information Coding

Associate Degrees

- Health Information Technology

Bachelor's Degrees

- Healthcare Administration

University General Education Common Core

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. The common general education core emphasizes six key areas: (i) Communication, (ii) Critical Thinking, (iii) Information Literacy, (iv) Technology Literacy, (v) Cultural Competence, and (vi) Global Awareness and Civic Engagement. General education courses are aligned to the Common Learning Outcomes to promote and develop the knowledge, skills and abilities that complement 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 interconnectedness of the core values of DeVry TechPath.

These Common Learning Outcomes correlate courses with DeVry University's mission and establish a philosophy for curriculum design that is current, innovative, and practitioner-based. This correlation is achieved and reinforced through a comprehensive assessment approach across course levels and continual curriculum development processes.

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

- **Communication**: Select and implement effective communication strategies through actions such as:
    - Developing audience-appropriate communication through written, oral, and visual forms to promote understanding.
    - Utilizing collaboration techniques that illustrate teamwork and leadership skills.
    - Practicing effective listening skills and communication strategies for specified purposes in academic, professional, or personal contexts.

- **Critical Thinking**: Integrate principles, concepts, and methodologies to analyze and solve complex problems, including applied mathematics and logical reasoning through actions such as:
    - Utilizing available and emerging tools and technologies to formulate action plans.
    - Thoroughly and logically managing projects to transform knowledge based on reasoning and reflection.
    - Producing desired outcomes and evaluating results against desired outcomes to improve future performance.

- **Information Literacy**: Conduct research and develop information synthesis skills through actions such as:
    - Constructing thoughtful questions to guide inquiry.
    - Producing quantitative and qualitative research to interpret data.
    - Filtering, synthesizing, and analyzing complex and flawed information to reach meaningful conclusions.

- **Technology Literacy:** Leverage current and discipline-specific technologies through actions such as:
    - Applying digital and technological literacy across platforms and disciplines.
    - Selecting and utilizing appropriate technological tools for fluid communication.
    - Utilizing key technology platforms essential for modern industry success.

- **Cultural Competence**: Engage and collaborate with diverse perspectives through actions such as:
    - Acting responsibly as a leader or contributor to diverse teams and working collectively to achieve a stated goal.
    - Fostering a tolerance for ambiguity to respect diverse viewpoints and promote constructive conversations, learning experiences, and intellectual curiosity.
    - Participating in activities such as artistic and cultural presentations, public speeches, and diverse case studies.

- **Global Awareness and Civic Engagement**: Engage and respond to civil, social, cultural, and global issues through actions such as:
    - Developing awareness of diverse cultural and global contexts and trends to promote responsible engagement and action.
    - Promoting ethical reasoning by examining implications of current events, professional situations, and personal decisions to promote understanding and empathy.
    - Establishing connections between self, community, and the world.

Colleges & Programs of Study*

** 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, 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 which begins the first term of an academic program). If this occurs, applicants will be given a full refund, within thirty days, of the application fee and prepaid tuition. In the event that a continuing program or class is cancelled, students will be offered the opportunity to transfer within the DeVry system with full credit for all course work completed. Not all programs are offered at all locations and online. Some courses may not be offered every session. Check with your administrator regarding course availability. All students enrolled in site-based programs will be required to take some coursework online and, for some programs and locations, a substantial portion of the program may be required to be completed online. Check with your student support advisor regarding course availability and delivery format.

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

Enrolled Location
Students' home location is determined at the time of admission. This location, known as the enrolled location, is reflected in enrollment materials and in DeVry's student information system. Students may take some classes online and at other DeVry locations. However, programs and specializations are limited to those offered by students' enrolled location.

All students enrolled in site-based programs will be required to take some coursework online. For some programs and locations, a substantial portion of the program may be required to be completed online.

Credit Hours
DeVry follows the federal credit hour definition: 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 fifteen weeks (i.e., 45 hours of learning activities).

At DeVry University, a credit hour is defined as the learning that takes place in at least 45 hours of learning activities, which include time in class meetings that are in person or online,

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.

Programs
When choosing programs and selecting courses and areas of specialization, students should be aware that availability of programs, specializations (including concentrations, majors, technical specialties and tracks) and courses varies by location. Some courses, including those required for some specializations, may be available online only. However, in some programs, some courses may not be taken online.

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 their student support advisor or academic 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.

Courses
The following courses, when applicable to the chosen program, must be taken at DeVry: CARD205; CARD405; CARD415; CEIS101; COLL148; LAS432; and senior project courses ACCT461, BUSN460, COMM491, COMM492, JADM490, JADM494, and TECH460.

Transfer and proficiency credits are not granted to fulfill these requirements.

Program Footnotes
Some situations may result in program requirements that differ from those shown in the program outlines. Footnotes 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. Footnotes refer to students' enrolled location, as defined above, regardless of the location at which students' classes are taught.

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.

College of Business & Management

DeVry University's College of Business & Management offers a variety of degree programs to help students meet their educational goals. Programs and courses – offered onsite and online days, evenings and weekends – 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. The following pages provide details on undergraduate programs offered through the College of Business & Management.

Business & Management Programs

Certificate
- Business Essentials

Associate Degree
- Business

Bachelor's Degree
- Accounting
- Business Administration
- Management
- Technical Management

Master's Degree
See the Keller Graduate School of Management Catalog for information on the following programs.

- Accounting
- Accounting & Financial Management
- Business Administration
- Human Resource Management
- Project Management
- Public Administration

Business Essentials Certificate Program

DeVry's Business Essentials undergraduate certificate program helps prepare students to effectively function 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 the skills needed to provide applicable information to appropriate decision-makers within an organization.

Students who complete the Business Essentials undergraduate certificate program can apply all coursework to the associate degree program in Business.

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 is why our programs are infused 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.

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. These courses introduce students to key disciplines that support business careers and cover concepts related to general business principles, including accounting, marketing, management, and the analytic skills that inform business decision-making.

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

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

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

Program Details
Credential: Undergraduate Certificate in Business Essentials
Semesters: 2
Minimum credit hours required for certificate completion: 25
Normal time to complete: 2 semesters, assuming enrollment in 12-13 credit hours per semester. (see *Course Loads*)

Program Outline
Within each course area, courses are shown with their designators (i.e., COLL148), titles and credit hours. Students interested in alternate course options should contact their student support advisor to determine whether alternates are offered for any course listed below. Additional information is found in *Course Descriptions*.

Course Area	Minimum Credit Hours
Business Core	**18**

- ACCT212 Financial Accounting (4)
- BIS155 Data Analysis with Spreadsheets with Lab (3)
- BUSN115 Introduction to Business and Technology (3)
- BUSN219 Marketing Fundamentals (3)
- COMP100 Computer Applications for Business with Lab (2)
- MGMT303 Principles of Management (3)

Electives **7**

Electives may be chosen from courses listed in the *Course Descriptions* provided they are not used to meet any other graduation requirement and prerequisites are satisfied. Qualifying prior college coursework not meeting other program requirements may be applied toward the elective hours.

The following suggested electives align with coursework in the associate degree in Business. Students who earn the Undergraduate Certificate in Business Essentials can apply credits earned toward an associate degree in Business.

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

General Business
- GSCM206 Managing Operations Across the Supply Chain (4)
- MGMT210 Human Resource Functions (3)

Healthcare Business
- HIT111 Basic Medical Terminology (3)
- HSM310 Introduction to Health Services Management (4)

Retail Management
- BUSN258 Customer Relations (4)
- MGMT230 Contemporary Retail Management (3)

Note: All students should see General Notes *at the beginning of* Colleges & Programs of Study.

Employment positions determined to be in field, to calculate the graduate employment rates required by the state of California, for graduates of the Undergraduate Certificate program in Business Essentials include: Administrative Services Manager (11-3011.00) and Office Clerk, General (43-9061.00). Please note, both the 2010 and 2018 versions of the Standard Occupational Classification (SOC) are reflected. More information about these careers may be found at www.onetonline.org/crosswalk/ ***by searching for the career title or SOC number.***

For additional program information, visit devry.edu/ucbe.

Business Associate Degree Program

DeVry's associate degree 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.

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.

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

Note: Those who earn an associate degree in Business can apply credits toward a bachelor's degree in Technical Management.

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

- Use business and management principles to apply problem solving skills to a variety of administrative tasks in the workplace.
- Use technology for business and management tasks, including data analysis, presentations, communication and research.
- Communicate effectively both orally and in writing across environments and platforms.
- Work collaboratively in a team environment, learn to coordinate and share information to achieve a common goal.

Program Details
Degree: Associate of Applied Science in Business (in Florida, Associate of Science in Business)
Semesters: 4 full time
Minimum credit hours required for graduation: 61
Normal time to complete: 2 years, assuming enrollment in 15–16 credit hours per semester and attending 2 semesters per year; enrollment in 17–20 credit hours may be needed in some semesters (see *Course Loads*)

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 or academic advisor for more information.

Additional information is available in *Programmatic Accreditation and Recognition*.

Program Outline
Within each course area, courses are shown with their designators (i.e., COLL148), titles and credit hours. Students interested in alternate course options should contact their student support advisor to determine whether alternates are offered for any course listed below. Additional information is found in *Course Descriptions*.

Course Area	Minimum Credit Hours
Communication Skills	**11**
• ENGL112 Composition (4)	
• ENGL135 Advanced Composition (4)	
Select one	
• SPCH275 Public Speaking (3)	
• SPCH276 Intercultural Communication (3)	
Humanities	**3**
Select one	
• ETHC232 Ethical and Legal Issues in the Professions (3)	
• ETHC334 Diversity, Equity and Inclusion in the Workplace	
Social Sciences	**3**
• SOCS185 Culture and Society (3)	
Mathematics and Natural Sciences	**8**
• MATH114 Algebra for College Students (4)	
• SCI228 Nutrition, Health and Wellness with Lab (4)	
Personal and Professional Development	**5**
• CARD205 Career Development (2)	
• COLL148 Critical Thinking and Problem-Solving (3)	
Business Core	**18**

- ACCT212 Financial Accounting (4)
- BIS155 Data Analysis with Spreadsheets with Lab (3)
- BUSN115 Introduction to Business and Technology (3)
- BUSN219 Marketing Fundamentals (3)
- COMP100 Computer Applications for Business with Lab (2)
- MGMT303 Principles of Management (3)

Track – one option is selected	**Credit hours vary by selection**

Budgeting & Forecasting **14**

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

General Business **15**

- BUSN278 Budgeting and Forecasting (4)
- GSCM206 Managing Operations Across the Supply Chain (4)
- MATH221 Statistics for Decision-Making (4)
- MGMT210 Human Resource Functions (3)

Healthcare Business[1] **15**

- BUSN258 Customer Relations (4)
- HIT111 Basic Medical Terminology (3)
- HIT120 Introduction to Health Services and Information Systems (4)
- HSM310 Introduction to Health Services Management (4)

Retail Management **13**

- BUSN258 Customer Relations (4)
- MGMT210 Human Resource Functions (3)
- MGMT230 Contemporary Retail Management (3)
- MKTG230 Consumer Behavior Fundamentals (3)

Note: All students should see General Notes *at the beginning of* Colleges & Programs of Study.

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

[1]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.

Note: This program includes Diversity, Equity and Inclusion (DE&I) courses. A complete list of DE&I courses is found in Diversity, Equity and Inclusion (DE&I) Coursework.

Employment positions determined to be in field, to calculate the graduate employment rates required by the state of California, for graduates of the Associate of Applied Science in Business are: Customer Service Representative (43-4051.00); Sales Manager (11-2022.00). More information about these careers may be found at www.onetonline.org/crosswalk/ ***by searching for the career title or SOC number.***

For additional program information, visit devry.edu/ab.

Accounting Bachelor's Degree Program

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.

TECHPATH

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

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

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

- Generate, analyze and interpret financial statements and supporting information.
- Analyze and evaluate transactions and processes, evaluate risk, and recommend internal controls for operational efficiencies, integrity and compliance.
- Evaluate costing systems, and prepare and monitor budgets to support managerial decision-making.
- Organize, analyze, and communicate accounting information to support business decision making.
- Demonstrate and execute the standards of professional ethics and integrity as they apply to a variety of accounting and business scenarios.
- Demonstrate the ability to work and communicate effectively in collaborative environments.
- Cultivate and apply problem-solving and decision-making skills that support lifelong personal and professional development.

Program Details
Degree: Bachelor of Science in Accounting
Semesters: 8 full time
Minimum credit hours required for graduation: 120
Normal time to complete: 4 years, assuming enrollment in 15 credit hours per semester and attending 2 semesters per year; enrollment in 18 credit hours (9 credit hours per session) may be needed in some semesters (see *Course Loads*)

Program Outline
Within each course area, courses are shown with their designators (i.e., COLL148), titles and credit hours. Students interested in alternate course options should contact their student support advisor to determine whether alternates are offered for any course listed below. Additional information is found in *Course Descriptions*.

Course Area	Minimum Credit Hours
Communication Skills	**13**
• ENGL113 Composition (3)	
• ENGL136 Advanced Composition (3)	
• ENGL216 Technical Writing (4)	
Select one	
• SPCH275 Public Speaking (3)	
• SPCH276 Intercultural Communication (3)	
Humanities	**12**
• HIST405 United States History (3)	
• LAS432 Technology, Society, and Culture (3)	
Select one	
• ETHC334 Diversity, Equity and Inclusion in the Workplace (3)	
• ETHC445 Principles of Ethics (3)	
Select one	
• HUMN303 Introduction to the Humanities (3)	
• HUMN304 Multi-Ethnic Humanities (3)	
Social Sciences	**9**
• ECON312 Principles of Economics (3)	
• SOCS185 Culture and Society (3)	
Select one	
• SOCS325 Environmental Sociology (3)	
• SOCS350 Cultural Diversity in the Professions (3)	
Mathematics and Natural Sciences	**9**
• MATH116 Algebra for College Students (3)	
• MATH226 Statistics for Decision-Making (3)	
• SCI205 Environmental Science with Lab (3)	
Personal and Professional Development	**5**

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

Business Core **18**

- ACCT212 Financial Accounting (4)
- BIS155 Data Analysis with Spreadsheets with Lab (3)
- BUSN115 Introduction to Business and Technology (3)
- BUSN319 Marketing (3)
- COMP100 Computer Applications for Business with Lab (2)
- MGMT303 Principles of Management (3)

Finance and Management **6**

- BUSN315 Contemporary Business (3)
- BUSN379 Finance (3)

Accounting Core **39**

- 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)
- ACCT406 Advanced Accounting (3)
- ACCT426 Federal Tax Accounting II (3)
- ACCT431 Federal Income Taxation (3)
- ACCT436 Advanced Cost Management (3)
- ACCT439 Professional Ethics for Accountants (3)
- ACCT440 Accounting Research (3)
- ACCT446 Auditing (3)
- ACCT454 Accounting Information Systems with Lab (3)

Accounting Senior Project **3**

- ACCT461 Accounting Senior Project (3)

Electives **6**

Electives may be chosen from courses listed in the *Course Descriptions* provided they are not used to meet any other graduation requirement and prerequisites are satisfied. Qualifying prior college coursework not meeting other program requirements may be applied toward the elective hours.

The following suggested electives ensure students meet prerequisite requirements and offer applied tech skills for today's business world.

- BUSN350 Business Analysis (3)
- MGMT408 Management of Technology Resources (3)

Note: All students should see General Notes *at the beginning of* Colleges & Programs of Study.

Note: Most state boards of accountancy require 150 credit hours of post-secondary 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 coursework requirements to sit for the CPA exam. Students interested in sitting for the CPA exam should check their state's requirements.

Note: Credits and degrees earned from this institution do not automatically qualify the holder to participate in professional licensing exams 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.

Note: This program includes Diversity, Equity and Inclusion (DE&I) courses. A complete list of DE&I courses is found in Diversity, Equity and Inclusion (DE&I) Coursework.

Employment positions determined to be in field, to calculate the graduate employment rates required by the state of California, for graduates of the Bachelor of Science in Accounting degree program are: Accountants (113-2011.01); Auditors (13-2011.02); 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). Please note, both the 2010 and 2018 versions of the Standard Occupational Classification (SOC) are reflected. More information about these careers may be found at www.onetonline.org/crosswalk/ ***by searching for the career title or SOC number.***

For additional program information, visit devry.edu/ba.

Business Administration Bachelor's Degree Program

Students in DeVry's Business Administration program develop competency in applying technology to business strategy, management and decision-making through case studies, team projects, Internet use and web page development, as well as computer applications and systems integration. The program offers majors (concentrations in Illinois, New York and Pennsylvania) 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 by the time they have earned 30 semester-credit hours toward their degree.

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

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

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

- Develop the ability to effectively convey information to a variety of business audiences using oral, written, and technological platforms.
- Apply leadership and conflict management techniques to effectively manage and collaborate within cross-cultural business environments in physical and virtual settings.
- 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.
- Evaluate and conduct activities that influence organizational values, ethics, and professional responsibility.
- Apply qualitative and quantitative research methods to evaluate and solve management issues relevant to a global workforce.
- 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.

Program Details – Business Administration Program with Majors/Concentrations
Degree: Bachelor of Science in Business Administration (in New York, Bachelor of Professional Studies in Business Administration; in Ohio, Bachelor of Business Administration)
Semesters: 8 full time

Minimum credit hours required for graduation: 124[1,2]
Normal time to complete: 4 years, assuming enrollment in 15–16 credit hours per semester and attending 2 semesters per year; enrollment in 17–20 credit hours may be needed in some semesters (see *Course Loads*)

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.

Additional information is available in *Programmatic Accreditation and Recognition*.

Program Outline
Within each course area, courses are shown with their designators (i.e., COLL148), titles and credit hours. Students interested in alternate course options should contact their student support advisor to determine whether alternates are offered for any course listed below. Additional information is found in *Course Descriptions*.

Course Area	Minimum Credit Hours
Communication Skills	**15**[3]
• ENGL112[4] Composition (4)	
• ENGL135 Advanced Composition (4)	
• ENGL216 Technical Writing (4)	
Select one	
• SPCH275 Public Speaking (3)	
• SPCH276 Intercultural Communication (3)	
Humanities[5]	**9**[6]
• LAS432 Technology, Society, and Culture (3)	
Select one	
• ETHC334 Diversity, Equity and Inclusion in the Workplace (3)	
• ETHC445 Principles of Ethics (3)	
Select one	
• HUMN303 Introduction to the Humanities (3)	
• HUMN304 Multi-Ethnic Humanities	
Social Sciences	**9**
• LAWS310[7] The Legal Environment (3)	

[1] *128 for students enrolled at a New Jersey location.*
[2] *127 for students enrolled at a Pennsylvania location.*
[3] *14 for students enrolled at a New Jersey location.*
[4] *Students enrolled at a New Jersey location take ENGL108 in lieu of this course.*
[5] *Students enrolled at a Pennsylvania location must take HUMN451 as part of this requirement.*
[6] *12 for students enrolled at a Pennsylvania location.*
[7] *Students enrolled at a Nevada location must take POLI332 in lieu of this requirement.*

- SOCS185 Culture and Society (3)

Select one

- SOCS325 Environmental Sociology (3)
- SOCS350 Cultural Diversity in the Professions (3)

Mathematics and Natural Sciences **12**[8]

- MATH114 Algebra for College Students (4)
- MATH221 Statistics for Decision-Making (4)
- SCI228[9] Nutrition, Health and Wellness with Lab (4)

Personal and Professional Development **5**

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

Business Core[10] **18**[11]

- ACCT212 Financial Accounting (4)
- BIS155 Data Analysis with Spreadsheets with Lab (3)
- BUSN115 Introduction to Business and Technology (3)
- BUSN319 Marketing (3)
- COMP100 Computer Applications for Business with Lab (2)
- MGMT303 Principles of Management (3)

Finance and Management **16**

- ACCT360 Managerial Accounting (3)
- BIAM110 Introduction to Business Analytics (3)
- BUSN379 Finance (3)
- ECON312 Principles of Economics (3)
- MGMT404 Project Management (4)

Senior Project **3**

- BUSN460 Senior Project (3)

Electives[12] **10**

[8] *11 for students enrolled at a New Jersey location.*

[9] *Students enrolled at a New Jersey location may take PHYS204 or SCI200 to fulfill this requirement.*

[10] *Students enrolled at a New Jersey location must also take the following to fulfill this requirement: BUSN369; BUSN412; GSCM206.*

[11] *30 for students enrolled at a New Jersey location, where the additional credit hours satisfy the Electives course area requirement.*

[12] *Students selecting the Accounting concentration who are interested in sitting for the CPA exam in Texas completing 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.*

Electives may be chosen from courses listed in the *Course Descriptions* provided they are not used to meet any other graduation requirement and prerequisites are satisfied. Qualifying prior college coursework not meeting other program requirements may be applied toward the elective hours.

The following suggested electives ensure students meet prerequisite requirements and offer applied tech skills for today's business world.

Two of

- BUSN350 Business Analysis (3)
- CEIS110 Introduction to Programming (3)
- MGMT408 Management of Technology Resources (3)

One of

- BIS245 Database Essentials for Business with Lab (4)
- BUSN278 Budgeting and Forecasting (4)
- SEC310 Principles and Theory of Security Management (4)

Major/Concentration **Credit hours vary by selection**

Students select one major/concentration below.

Accounting **27**

- 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)
- ACCT454 Accounting Information Systems (3)

Business Intelligence and Analytics Management **27**

- 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)
- BUSN350 Business Analysis (3)
- GSCM206 Managing Operations Across the Supply Chain (4)
- GSCM209 Supply Chain Management Decision Support Tools and Applications (4)

Finance **28**

- 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)

Global Supply Chain Management **28**

- 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**

- 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**

- 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**

- HRM320 Employment Law (4)
- HRM330 Labor Relations (4)
- HRM340 Human Resource Information Systems (4)
- HRM410 Strategic Staffing (4)
- HRM420 Training and Development (4)
- HRM430 Compensation and Benefits (4)
- MGMT410 Human Resource Management (4)

Project Management **27**

- ACCT436 Advanced Cost Management (3)
- GSCM326 Total Quality Management (4)
- MGMT340 Business Systems Analysis (4)

- PROJ330 Human Resources and Communications in Projects (4)
- PROJ410 Contracts and Procurement (4)
- PROJ420 Project Risk Management (4)
- PROJ430 Advanced Project Management (4)

Sales and Marketing **27**

- MKTG310 Consumer Behavior (4)
- MKTG320 Market Research (4)
- MKTG340 Digital Marketing Fundamentals (3)
- MKTG410 Advertising and Public Relations (4)
- MKTG425 Personal Selling and Sales Management (4)
- MKTG430 International Marketing (4)
- SBE330 Creativity, Innovation and New Product Development (4)

Small Business Management and Entrepreneurship **28**

- BUSN258 Customer Relations (4)
- BUSN278 Budgeting and Forecasting (4)
- MGMT410 Human Resource Management (4)
- SBE310 Small Business Management and Entrepreneurship (4)
- SBE330 Creativity, Innovation and New Product Development (4)
- SBE430 E-Commerce for Small Business (4)
- SBE440 Business Plan Writing for Small Businesses and Entrepreneurs (4)

Note: Students enrolled at a New Jersey location must take an additional six semester-credit hours of general education coursework from among the following course areas: communication skills, humanities, social sciences, mathematics and natural sciences. Courses selected in humanities or social sciences should be upper-division coursework (DeVry courses numbered 300–499).

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

Note: Most state boards of accountancy require 150 credit hours of post-secondary 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 coursework requirements to sit for the CPA exam. Students interested in sitting for the CPA exam should check their state's requirements.

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

Note: This program includes Diversity, Equity and Inclusion (DE&I) courses. A complete list of DE&I courses is found in Diversity, Equity and Inclusion (DE&I) Coursework.

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.

Program Outline
Within each course area, required courses are shown with their designators (i.e., COLL148), titles and credit hours. Students should seek academic advising to ensure that any specialized requirements noted in the full program have been met. Additional information is found in *Course Descriptions*.

Course Area	Minimum Credit Hours
Communication Skills	**8**
• ENGL112 Composition (4)	
• ENGL135 Advanced Composition (4)	
Humanities	**6**
• LAS432 Technology, Society, and Culture (3)	
Select one	
• ETHC334 Diversity, Equity and Inclusion in the Workplace (3)	
• ETHC445 Principles of Ethics (3)	
Social Sciences	**6**
• LAWS310[13] The Legal Environment (3)	
Select one	
• SOCS325 Environmental Sociology (3)	
• SOCS350 Cultural Diversity in the Professions (3)	
Personal and Professional Development	**5**
• CARD405 Career Development (2)	
• COLL148 Critical Thinking and Problem-Solving (3)	
Mathematics and Natural Sciences	**8**
• MATH221 Statistics for Decision-Making (4)	
• SCI228 Nutrition, Health and Wellness with Lab (4)	

[13] *Students enrolled at a Nevada location must take POLI332 in lieu of this requirement.*

Business **7**

- MGMT303 Principles of Management (3)
- MGMT404 Project Management (4)

Senior Project **3**

- BUSN460 Senior Project (3)

Note: All students should see General Notes *at the beginning of* Colleges & Programs of Study.

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

Note: This program includes Diversity, Equity and Inclusion (DE&I) courses. A complete list of DE&I courses is found in Diversity, Equity and Inclusion (DE&I) Coursework.

Employment positions determined to be in field, to calculate the graduate employment rates required by the state of California, 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: Financial Analyst (13-2051.00); General and Operations Managers (11-1021.00); Sales Managers (11-2022.00); Administrative Services Managers (11-3011.00) [2010] and Administrative Services Managers (11-3012.00) [2018]; Industrial Production Managers (11-3051.00); Transportation Managers (11-9021.00), Storage and Distribution Managers (11-3071.02); Construction Managers (11-9021.00); Social and Community Service Managers (11-9151.00); Regulatory Affairs Managers (11-9199.01); Compliance Managers (11-9199.02); Supply Chain Managers (11-9199.04); Security Mangers (11-9199.07); Loss Prevention Managers (11-9199.08); Cost Estimators (13-1051.00); Management Analysts (13-1111.00). Please note, both the 2010 and 2018 versions of the Standard Occupational Classification (SOC) are reflected. More information about these careers may be found at www.onetonline.org/crosswalk/ ***by searching for the career title or SOC number.***

For additional program information, visit devry.edu/bba.

Management Bachelor's Degree Program

DeVry's Management program is designed to prepare graduates to join the workforce as management professionals in a wide variety of industries. With this bachelor's degree, students can develop the 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.

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 is why our programs are infused 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.

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. These courses introduce students to key disciplines that support business careers and cover concepts related to general business principles, including accounting, marketing, management, and the analytic skills that inform business decision-making.

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

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

- Develop the skills to effectively communicate quality information to a variety of business audiences using oral, written, and technological platforms.
- Apply qualitative and quantitative research methods and critical thinking skills to evaluate and solve management issues relevant to a global workforce.
- Apply fundamental management theories and resource management techniques to influence organizational performance to promote continuous improvement.
- Apply leadership, resource management, and conflict management techniques to effectively manage and collaborate within cross-cultural business environments.
- Evaluate stakeholder influence on organizational values, ethics, and professional responsibility.

Program Details
Degree: Bachelor of Science in Management
Semesters: 8 full time
Minimum credit hours required for graduation: 122[1]
Normal time to complete: 4 years, assuming enrollment in 15–16 credit hours per semester and attending 2 semesters per year; enrollment in 17–20 credit hours may be needed in some semesters (see *Course Loads*)

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 or academic advisor for more information.

Additional information is available in *Programmatic Accreditation and Recognition*.

Program Outline
Within each course area, courses are shown with their designators (i.e., COLL148), titles and credit hours. Students interested in alternate course options should contact their student support advisor to determine whether alternates are offered for any course listed below. Additional information is found in *Course Descriptions*.

Course Area	Minimum Credit Hours
Communication Skills	**8**
• ENGL112 Composition (4)	
• ENGL135 Advanced Composition (4)	
Humanities[2]	**6[3]**
• LAS432 Technology, Society, and Culture (3)	
Select one	
• ETHC334 Diversity, Equity and Inclusion in the Workplace (3)	
• ETHC445 Principles of Ethics (3)	
Social Sciences	**6**
• ECON312 Principles of Economics (3)	
• SOCS185[4] Culture and Society (3)	
Mathematics and Natural Sciences	**12**
• MATH114 Algebra for College Students (4)	
• MATH221 Statistics for Decision-Making (4)	
• SCI228[5] Nutrition, Health and Wellness with Lab (4)	

[1] *125 for students enrolled at a Pennsylvania location.*
[2] *Students enrolled at a Pennsylvania location must take HUMN451 as part of this requirement.*
[3] *9 for students enrolled at a Pennsylvania location.*
[4] *Students enrolled at a Nevada location take POLI332.*
[5] *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, PHYS or SCI as part of this requirement.*

Additional General Education Selection **3**

Select one

- SPCH275 Public Speaking (3)
- SPCH276 Intercultural Communication (3)

Personal and Professional Development **5**

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

Business Core **18**

- ACCT212 Financial Accounting (4)
- BIS155 Data Analysis with Spreadsheets with Lab (3)
- BUSN115 Introduction to Business and Technology (3)
- BUSN319 Marketing (3)
- COMP100 Computer Applications for Business with Lab (2)
- MGMT303 Principles of Management (3)

Management and Technology **23**

- BIAM110 Introduction to Business Analytics (3)
- BIS245 Database Essentials for Business with Lab (4)
- BUSN278 Budgeting and Forecasting (4)
- BUSN369 International Business (4)
- MGMT404 Project Management (4)
- MGMT410 Human Resource Management (4)

Senior Project **3**

- BUSN460 Senior Project (3)

Analytics and Computing – selection by concentration **11**

Analytics[6] – All students except those selecting the Business Intelligence & Analytics Management concentration

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)
- BIAM300 Managerial Applications of Business Analytics (4)
- BUSN379 Finance (3)

Computing – Business Intelligence & Analytics Management concentration students

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.

[6] *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. 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.*

- CEIS110 Introduction to Programming (3)
- CEIS150 Programming with Objects (4)
- CEIS209 Intermediate Programming (4)

Concentration	**Credit hours vary by selection**

Students select one concentration below.

Accounting	**27**

- 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)
- ACCT454 Accounting Information Systems (3)

Business Intelligence and Analytics Management	**27**

- 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)
- BUSN350 Business Analysis (3)
- GSCM206 Managing Operations Across the Supply Chain (4)
- GSCM209 Supply Chain Management Decision Support Tools and Applications (4)

Finance	**28**

- 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)

Global Supply Chain Management	**28**

- 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**

- 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**

- 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**

- BUSN412 Business Policy (4)
- HRM320 Employment Law (4)
- HRM330 Labor Relations (4)
- HRM340 Human Resource Information Systems (4)
- HRM410 Strategic Staffing (4)
- HRM420 Training and Development (4)
- HRM430 Compensation and Benefits (4)

Project Management **27**

- ACCT436 Advanced Cost Management (3)
- GSCM326 Total Quality Management (4)
- MGMT340 Business Systems Analysis (4)
- PROJ330 Human Resources and Communications in Projects (4)
- PROJ410 Contracts and Procurement (4)
- PROJ420 Project Risk Management (4)
- PROJ430 Advanced Project Management (4)

Sales and Marketing **27**

- MKTG310 Consumer Behavior (4)
- MKTG320 Market Research (4)
- MKTG340 Digital Marketing Fundamentals (3)
- MKTG410 Advertising and Public Relations (4)
- MKTG425 Personal Selling and Sales Management (4)

- MKTG430 International Marketing (4)
- SBE330 Creativity, Innovation and New Product Development (4)

Small Business Management and Entrepreneurship **28**

- BUSN258 Customer Relations (4)
- BUSN412 Business Policy (4)
- SBE310 Small Business Management and Entrepreneurship (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)

Note: All students should see General Notes *at the beginning of* Colleges & Programs of Study.

Note: 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, Mathematics and Natural Sciences). A minimum of six credit hours is required in each General Education course area.

Note: Most state boards of accountancy require 150 credit hours of post-secondary 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 coursework requirements to sit for the CPA exam. Students interested in sitting for the CPA exam should check their state's requirements.

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

Note: This program includes Diversity, Equity and Inclusion (DE&I) courses. A complete list of DE&I courses is found in Diversity, Equity and Inclusion (DE&I) Coursework.

Employment positions determined to be in field, to calculate the graduate employment rates required by the state of California, for graduates of the Bachelor of Science in Management degree program include: Financial Analyst (13-2015.00); General and Operations Managers (11-1021.00); Sales Managers (11.2022.00); Administrative Services Managers (11-3011.00) [2010] and Administrative Services Managers (11-3012.00) [2018]; Industrial Production Managers (11-3051.00); Transportation Managers (11-3071.11), Storage and Distribution Managers (11-3071.02); Construction Managers (11-9021.00); Social and Community Service Managers (11-9151.00); Regulatory Affairs Managers (11-9199.01); Compliance Managers (11-9199.02); Supply Chain Managers (11-9199.04); Security Managers (11-9199.07); Loss Prevention Managers (11-9199.08); Cost Estimators (13-1051.00); Management Analysts (13-1111.00). Please note, both the 2010 and 2018 versions of the Standard Occupational Classification (SOC) are reflected. More information about these careers may be found at www.onetonline.org/crosswalk/ ***by searching for the career title or SOC number.***

For additional program information, visit devry.edu/bm.

Technical Management Bachelor's Degree Program

The bachelor's degree completion program in Technical Management is designed to prepare students to meet the challenges of a high-tech, global marketplace by bringing the real world into the classroom. This bachelor's degree can help students learn the 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.

Included with the program are technical specialties and a general technical option 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 technical specialty by the time they have earned 30 semester-credit hours toward their degree.

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 is why our programs are infused 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.

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. These courses introduce students to key disciplines that support business careers and cover concepts related to general business principles, including accounting, marketing, management, and the analytic skills that inform business decision-making.

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

Note: Prior college credit is required for those who wish to be admitted to the BSTM program, except for those enrolled at a New Jersey location (see Special Admission Requirements*).*

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

- Apply qualitative and quantitative research to evaluate and solve technical management issues relevant to a global organization.
- Develop the skills to effectively convey information to a variety of business audiences using oral, written, presentation, and technological platforms.

- Apply leadership and conflict management techniques to foster collaboration within cross-cultural and interdisciplinary business environments.
- Demonstrate management and leadership skills to develop and maintain a successful workforce in a globalized environment.
- Examine issues and needs related to organizational challenges and propose change for quality improvement.

Individual Plans of Study
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, Mathematics and Natural Sciences). A minimum of six credit hours is required in each General Education course area. Degree requirements are specified in an individual plan of study developed with each student through academic advising. At least 42 semester-credit hours must be earned in upper-division coursework (DeVry courses numbered 300-499).

Program Details
Degree: Bachelor of Science in Technical Management (in New York, Bachelor of Professional Studies in Technical Management; in Ohio, Bachelor of Technical Management)
Semesters: 8 full time
Minimum credit hours required for graduation: 122[1]
Normal time to complete: 4 years, assuming enrollment in 15–16 credit hours per semester and attending 2 semesters per year; enrollment in 17–20 credit hours may be needed in some semesters (see *Course Loads*)

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 or academic advisor for more information.

Additional information is available in *Programmatic Accreditation and Recognition*.

Program Outline
Within each course area, courses are shown with their designators (i.e., COLL148), titles and credit hours. Students interested in alternate course options should contact their student support advisor to determine whether alternates are offered for any course listed below. Additional information is found in *Course Descriptions*.

Course Area	Minimum Credit Hours
Communication Skills	**8[2]**

- ENGL112[3] Composition (4)
- ENGL135 Advanced Composition (4)

[1] *125 for students enrolled at a Pennsylvania location.*
[2] *7 for students enrolled at a New Jersey location.*
[3] *Students enrolled at a New Jersey location take ENGL108 in lieu of this course.*

Humanities[4] **6**[5]

- LAS432 Technology, Society, and Culture (3)

Select one

- ETHC334 Diversity, Equity and Inclusion in the Workplace (3)
- ETHC445 Principles of Ethics (3)

Social Sciences **6**

- ECON312 Principles of Economics (3)
- SOCS185[6] Culture and Society (3)

Mathematics and Natural Sciences **12**

- MATH114 Algebra for College Students (4)
- MATH221 Statistics for Decision-Making (4)
- SCI228[7] Nutrition, Health and Wellness with Lab (4)

Additional General Education Selection **3**

Select one

- SPCH275 Public Speaking (3)
- SPCH276 Intercultural Communication (3)

Personal and Professional Development **5**

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

Business Core **18**

- ACCT212 Financial Accounting (4)
- BIS155 Data Analysis with Spreadsheets with Lab (3)
- BUSN115 Introduction to Business and Technology (3)
- BUSN319 Marketing (3)
- COMP100 Computer Applications for Business with Lab (2)
- MGMT303 Principles of Management (3)

Management and Technology **8**

- BIS245 Database Essentials for Business with Lab (4)
- MGMT404 Project Management (4)

Senior Project **3**

- BUSN460 Senior Project (3)

[4] *Students enrolled at a Pennsylvania location must take HUMN451 as part of this requirement.*
[5] *9 for students enrolled at a Pennsylvania location.*
[6] *Students enrolled at a Nevada location must take POLI332 as part of this requirement, the Additional General Education Selection or the Electives..*
[7] *Students enrolled at a New Jersey location may take PHYS204 or SCI200 to fulfill this requirement.*

Electives[8,9] **26**

Electives may be chosen from courses listed in the *Course Descriptions* provided they are not used to meet any other graduation requirement and prerequisites are satisfied. Qualifying prior college coursework not meeting other program requirements may be applied toward the elective hours.

The following suggested electives follow the TechPath and ensure students meet prerequisite requirements.

Note: ACCT360 is required for students selecting the Accounting or Finance concentrations. BIAM110 is recommended for students selecting the Accounting or Business Intelligence & Analytics Management concentrations.

Two of

- ACCT360 Managerial Accounting (3)
- BIAM110 Introduction to Business Analytics (3)
- BUSN379 Finance (3)
- MGMT408 Management of Technology Resources (3)

Five of

- BUSN278 Budgeting and Forecasting (4)
- BUSN369 International Business (4)
- BUSN412 Business Policy (4)
- GSCM206 Managing Across the Supply Chain (4)
- MGMT410 Human Resource Management (4)
- SEC310 Principles and Theory of Security Management (4)

Technical Specialty **Credit hours vary by selection**

Students select one of the technical specialty options below. A technical specialty consists of a sequence of interrelated courses focusing on a particular career area. With approval from their student support advisor or academic advisor, students choose one of the following options to meet this requirement.

Option 1 – General Technical Option **27**

The general technical option is designed for students who wish to apply prior coursework to a particular career area. DeVry coursework, qualifying coursework from a prior college experience, or a combination of DeVry and qualifying prior coursework may apply.

Option 2 – Business Administration Specialty[10]

[8] *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.*

[9] *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.*

[10] *Students enrolled at a North Carolina location may not select this option.*

The following business administration specialties are designed for students who wish to focus on a particular career area in a business or management field.

Accounting **27**

- 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)
- ACCT454 Accounting Information Systems (3)

Business Intelligence and Analytics Management ***27***

- 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)
- BUSN350 Business Analysis (3)
- GSCM206 Managing Operations Across the Supply Chain (4)
- GSCM209 Supply Chain Management Decision Support Tools and Applications (4)

Finance **28**

- 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)

Global Supply Chain Management **28**

- 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**

- 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**

- 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**

- HRM320 Employment Law (4)
- HRM330 Labor Relations (4)
- HRM340 Human Resource Information Systems (4)
- HRM410 Strategic Staffing (4)
- HRM420 Training and Development (4)
- HRM430 Compensation and Benefits (4)
- MGMT410 Human Resource Management (4)

Information Technology – Networking Fundamentals **27**

- CEIS101C Introduction to Technology and Information Systems (2)
- CEIS106 Introduction to Operating Systems (4)
- CEIS110 Introduction to Programming (3)
- CEIS114 Introduction to Digital Devices (3)
- NETW191 Fundamentals of Information Technology and Networking (3)
- NETW211 Fundamentals of Cloud Computing (3)
- NETW260 Intermediate Information Technology and Networking I (3)
- NETW270 Intermediate Information Technology and Networking II (3)
- SEC285 Fundamentals of Information Systems Security (3)

Project Management **27**

- ACCT360 Managerial Accounting (3)
- GSCM326 Total Quality Management (4)
- MGMT340 Business Systems Analysis (4)
- PROJ330 Human Resources and Communications in Projects (4)

- PROJ410 Contracts and Procurement (4)
- PROJ420 Project Risk Management (4)
- PROJ430 Advanced Project Management (4)

Sales and Marketing **27**

- MKTG310 Consumer Behavior (4)
- MKTG320 Market Research (4)
- MKTG340 Digital Marketing Fundamentals (3)
- MKTG410 Advertising and Public Relations (4)
- MKTG425 Personal Selling and Sales Management (4)
- MKTG430 International Marketing (4)
- SBE330 Creativity, Innovation and New Product Development (4)

Small Business Management and Entrepreneurship **28**

- BUSN258 Customer Relations (4)
- BUSN278 Budgeting and Forecasting (4)
- MGMT410 Human Resource Management (4)
- SBE310 Small Business Management and Entrepreneurship (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)

Option 3 – Criminal Justice Specialty **27**

The criminal justice specialty is designed for students with at least one year of professional experience in law enforcement, criminal justice or a closely related field.

- 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)

Note: Students selection the general technical option or a business administration specialty who wish to complete the internship course sequence (INTP491 and INTP492) may request approval from the appropriate academic administrator to take these courses in lieu of one of the specialty courses.

Note: Most state boards of accountancy require 150 credit hours of post-secondary 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 coursework requirements to sit for the CPA exam. Students interested in sitting for the CPA exam should check their state's requirements.

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

Note: This program includes Diversity, Equity and Inclusion (DE&I) courses. A complete list of DE&I courses is found in Diversity, Equity and Inclusion (DE&I) Coursework.

Technical Management Program – Health Information Management (HIM) Specialty

The Health Information Management 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.

To complete their program, students in the HIM technical specialty must meet requirements outlined in Healthcare Practicum and Clinical Coursework Requirements *and in* Healthcare Site Requirements*.*

Those who have earned a Medical Billing & Coding (MBC) certificate or an associate degree in Health Information Technology (HIT) through DeVry University can apply coursework in these programs toward the bachelor's degree in Technical Management.

Program Outline
Within each course area, courses are shown with their designators (i.e., COLL148), titles and credit hours. Students interested in alternate course options should contact their student support advisor to determine whether alternates are available for any course listed below. Additional information is found in *Course Descriptions*.

Course Area	Minimum Credit Hours
Communication Skills	**8**
• ENGL112 Composition (4)	
• ENGL135 Advanced Composition (4)	
Humanities	**6**
• LAS432 Technology, Society, and Culture (3)	
Select one	
• ETHC334 Diversity, Equity and Inclusion in the Workplace (3)	
• ETHC445 Principles of Ethics (3)	
Social Sciences	**6**
• ECON312 Principles of Economics (3)	
• SOCS185 Culture and Society (3)	
Mathematics and Natural Sciences	**16**
• MATH114 Algebra for College Students (4)	
• MATH221 Statistics for Decision-Making (4)	
• BIOS105 Fundamentals of Human Anatomy and Physiology with Lab (4)	
• BIOS267 Pathopharmacology (4)	
Personal and Professional Development	**5**
• CARD405 Career Development (2)	
• COLL148 Critical Thinking and Problem-Solving (3)	
Business Core	**15**
• ACCT212 Financial Accounting (4)	

- BIS155 Data Analysis with Spreadsheets with Lab (3)
- BUSN115 Introduction to Business and Technology (3)
- COMP100 Computer Applications for Business with Lab (2)
- MGMT303 Principles of Management (3)

Management **8**

- BUSN412 Business Policy (4)
- MGMT404 Project Management (4)

Senior Project **3**

- BUSN460 Senior Project (3)

Health Information Technology **28**

- HIT111 Basic Medical Terminology (3)
- HIT120 Introduction to Health Services and Information Systems (4)
- HIT141 Health Information Processes with Lab (4)
- HIT170 Health Information Fundamentals Practicum (2)
- HIT203 International Classification of Diseases Coding I with Lab (3)
- HIT205 International Classification of Diseases Coding II with Lab (3)
- HIT211 Current Procedural Terminology Coding with Lab (4)
- HIT220 Legal and Regulatory Issues in Health Information (2)
- HIT230 Health Insurance and Reimbursement (3)

Health Information Management Specialty **27**

- HIM335 Health Information Systems and Networks with Lab (3)
- HIM355 Advanced Classification Systems and Management with Lab (3)
- HIM370 Healthcare Data Security and Privacy (3)
- HIM410 Health Information Financial Management (3)
- HIM420 Healthcare Total Quality Management (4)
- HIM435 Management of Health Information Functions and Services (4)
- HIM460 Health Information Management Practicum (3)
- MATH325 Healthcare Statistics and Research (4)

Note: All students should see General Notes *at the beginning of* Colleges & Programs of Study.

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

Note: This program includes Diversity, Equity and Inclusion (DE&I) courses. A complete list of DE&I courses is found in Diversity, Equity and Inclusion (DE&I) Coursework.

Employment positions determined to be in field, to calculate the graduate employment rates required by the state of California, 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: Managers, all other (11-9199.00); Financial Analyst (13-2051.00); General & Operations Managers (11-1021.00); Sales Managers (11-2022.00); Administrative Services Managers (11-3011.00); Industrial Production Managers (11-3051.00); Transportation Managers (11-3071.01); Storage & Distribution Managers (11-3071.02); Construction Mangers (11-9021.00); Social & Community Service Managers (11-9151.00); Cost Estimators (13-1051.00); Management Analysts (13-1111.00). Please note, both the 2010 and 2018 versions of the Standard Occupational Classification (SOC) are reflected. More information about these careers may be found at www.onetonline.org/crosswalk/ ***by searching for the career title or SOC number.***

For additional program information, visit devry.edu/btm.

College of Engineering & Information Sciences

DeVry University's College of Engineering & Information Sciences offers 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 committee and include intensive lab assignments employing the latest equipment and technologies, are taught by faculty with real-world experience, and provide individual and team-based learning experiences.

The following pages provide details on undergraduate programs offered through the College of Engineering & Information Sciences. Further information on graduate degree programs and offerings available through the College is available via www.devry.edu.

Engineering & Information Sciences Programs

Engineering Technology

Certificate

- Engineering Technology*

Associate Degree

- Engineering Technology*

Bachelor's Degree

- Engineering Technology*

Information Technology

Certificate

- Cloud Computing*
- Cyber Security*
- Information Technology Essentials*
- Internet of Things*
- Networking Essentials*

Associate Degree

- Information Technology & Networking*
- Network Systems Administration

Bachelor's Degree

- Information Technology & Networking*
- Network & Communications Management

Software & Information Systems

Certificate

- Data Mining & Analytics*
- Programming Essentials*
- Software Design & Solutions*
- Web & Mobile Application Development*

Bachelor's Degree

- Computer Information Systems*
- Software Development*

Master's Degree

See the Keller Graduate School of Management catalog for information on the following programs.

- Information Systems Management
- Information Technology Management
- Network & Communications Management

*This program includes the Tech Core curriculum.

Engineering Technology Certificate Program

***Note*:** This program is eligible for enrollment for students participating through a qualifying corporate partnership only.

DeVry's Engineering Technology (ET) undergraduate certificate program provides students with foundational knowledge and readily marketable skills for entry-level positions in a variety of technical fields. The ET certificate curriculum provides a foundation in information technology essentials complemented by technical courses used in many disciplines. Students learn the basics of information technology and system automation. The program offers focused areas of study as shown in the program outline.

Students who complete the Engineering Technology undergraduate certificate can apply all coursework to the Engineering Technology associate and bachelor's degree programs.

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 is why our programs are infused 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.

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 utilized throughout the Internet of Things ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security.

Tech Core courses feature a customized Internet of Things bundle to complement course instruction and provide practical, hands on experience. The bundle is an ensemble of sensors, digital modules, network components and software tools to simulate Internet based applications and create an interactive student experience.

Program Outcomes
This program is designed to produce graduates who are able to:

- Understand how to connect and integrate systems with automation and control.
- Conduct, analyze, and interpret results of standard tests, measurements, and experimentation relevant to the field.
- Apply principles of technology in the building, testing, operation, and maintenance of distributed systems.

Program Details
Credential: Undergraduate Certificate in Engineering Technology
Semesters: 3

Minimum credit hours required for graduation: 39
Normal time to complete: 1 year, assuming enrollment in 13 credit hours per semester and attending 3 semesters per year (see *Course Loads*)

Program Outline
Within each course area, courses are shown with their designators (i.e., COLL148), titles and credit hours. Students interested in alternate course options should contact their student support advisor to determine whether alternates are offered for any course listed below. Additional information is found in *Course Descriptions*.

Course Area	Minimum Credit Hours

Mathematics **4**

- MATH114 Algebra for College Students (4)

Tech Core **18**

- CEIS101C Introduction to Technology and Information Systems (2)
- CEIS106 Introduction to Operating Systems (4)
- CEIS110 Introduction to Programming (3)
- CEIS114 Introduction to Digital Devices (3)
- NETW191 Fundamentals of Information Technology and Networking (3)
- NETW211 Fundamentals of Cloud Computing (3)

Automation and Electronic Systems **6**

- ECT226 Electronic Device and System Foundations (3)
- ECT286 Automation and Controls (3)

Career Preparation **1**

- CEIS299 Careers and Technology (1)

Students select one of the options below.

General Option **10**

Students select applicable courses from the College of Engineering & Information Sciences and the College of Business & Management provided prerequisites satisfied. Courses within other Colleges may be applicable with permission from the appropriate academic administrator.

Machine Learning and Design Techniques **10**

- MATH221 Statistics for Decision Making (4)

Select two of the following courses:

- CEIS308 Systems and Computer Aided Design (3)
- CEIS310 Process Improvement with Machine Learning (3)
- CEIS312 Introduction to Artificial Intelligence and Machine Learning (3)

Medical Technology and Healthcare Systems **10**

- BIOS205 Anatomy and Physiology for Health Careers (4)

Select two of the following courses:

- BMET314 Medical instrumentation (3)
- BMET316 Medical Imaging Technology (3)
- BMET318 Telemedicine (3)

Renewable Energy and Sustainable Power **10**

- SUST210 Renewable Energy: Science, Technology and Management (4)

Select two of the following courses:

- REET302 Introduction to Alternative Energy Technologies (3)
- REET322 Power Electronics and Alternative Energy Applications (3)
- REET326 Electric Machines and Power Systems (3)

Note: All students should see General Notes at the beginning of Colleges & Programs of Study.

Note: Students in this program are not eligible for Title IV federal financial assistance or military or veterans education benefits.

Note: Credits and degrees earned from this institution 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 determined to be in field, to calculate the graduate employment rates required by the state of California, for graduates of the Undergraduate Certificate program in Engineering Technology include: Electronics Engineering Technicians (17-3023.00). More information about these careers may be found at www.onetonline.org/crosswalk/ by searching for the career title or SOC number.

For additional program information, visit devry.edu/ucet.

Engineering Technology Program, Associate Degree

DeVry's associate degree 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 digital systems and security. The program offers focused areas of study as shown in the program outline.

TECHPATH

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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 utilized throughout the Internet of Things ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security.

Tech Core courses feature a customized Internet of Things bundle to complement course instruction and provide practical, hands on experience. The bundle is an ensemble of sensors, digital modules, network components and software tools to simulate Internet based applications and create an interactive student experience. To support this experience, the university will provide students enrolled in this program with a laptop computer.

Note: To complete their program, students must meet requirements outlined in Engineering and Information Sciences Programs – General Course Requirements.

Program Educational Objectives

Program educational objectives are broad statements describing expectations of skill attainment within a few years of graduation. Program educational objectives address the needs of the program's constituencies. The program has the following objectives:

- Successfully support maintenance, installation and testing of automated, computer-based and/or distributed systems.
- Communicate and collaborate effectively with individuals and teams.
- Exercise critical and systemic thinking, as well as ethical responsibility in solving professional challenges.
- Remain abreast of developments in technology and society.

Student Outcomes

Student outcomes describe expectations of field knowledge and ability by the time of graduation. These relate to the skills, knowledge, and behaviors that students acquire as they progress through the program. The student outcomes for this program include:

- Apply knowledge, techniques, skills and contemporary tools of science, technology, engineering and mathematics to solve well-defined problems appropriate to areas such as automation and controls, healthcare technologies, or energy systems.
- Design solutions for well-defined technology problems and assist with design of systems, components, or processes appropriate to disciplines such as automation and controls, healthcare technologies, or energy systems.
- Conduct, analyze, and interpret results of standard tests, measurements, and experimentation relevant to the field.
- Function effectively as a member of a technical team.
- Communicate effectively in written, oral, and graphical forms using various media and directed to variety of audiences.
- Source and utilize information and resources appropriate to the discipline and context.
- Apply principles of technology in the building, testing, operation, and maintenance of connected and distributed digital-based systems.

Program Details

Degree: Associate of Applied Science in Engineering Technology
Semesters: 4 full time
Minimum credit hours required for graduation: 64
Normal time to complete: 1.5 years, assuming enrollment in 15–17 credit hours per semester and attending 3 semesters per year (see *Course Loads).*

Program Outline
Within each course area, courses are shown with their designators (i.e., COLL148), titles and credit hours. Students interested in alternate course options should contact their student support advisor to determine whether alternates are offered for any course listed below. Additional information is found in *Course Descriptions*.

Course Area	Minimum Credit Hours
Communication Skills	**7**
• ENGL112 Composition (4)	
Select one	
• SPCH275 Public Speaking (3)	
• SPCH276 Intercultural Communication (3)	
Humanities	**3**
Select one	
• ETHC232 Ethical and Legal Issues in the Professions (3)	
• ETHC334 Diversity, Equity and Inclusion in the Workplace (3)	
Social Sciences	**3**

- SOCS185 Culture and Society (3)

Mathematics and Natural Sciences **8**

- MATH114 Algebra for College Students (4)
- PHYS204 Applied Physics with Lab (4)

Personal and Professional Development **5**

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

Tech Core **21**

- CEIS101 Introduction to Technology and Information Systems (2)
- CEIS106 Introduction to Operating Systems (4)
- CEIS110 Introduction to Programming (3)
- CEIS114 Introduction to Digital Devices (3)
- NETW191 Fundamentals of Information Technology and Networking (3)
- NETW211 Fundamentals of Cloud Computing (3)
- SEC285 Fundamentals of Information Systems Security (3)

Automation and Electronic Systems **6**

- ECT226 Electronic Device and System Foundations (3)
- ECT286 Automation and Controls (3)

Career Preparation **1**

- CEIS299 Careers and Technology (1)

Students select one of the options below.

General Option **10**

Students select applicable courses from the College of Engineering & Information Sciences and the College of Business & Management provided prerequisites are met. Courses within other Colleges may be applicable with permission from the appropriate academic administrator.

Machine Learning and Design Techniques **10**

- MATH221 Statistics for Decision Making (4)

Select two

- CEIS308 Systems and Computer Aided Design (3)
- CEIS310 Process Improvement with Machine Learning (3)
- CEIS312 Introduction to Artificial Intelligence and Machine Learning (3)

Medical Technology and Healthcare Systems **10**

- BIOS205 Anatomy and Physiology for Health Careers (4)

Select two

- BMET314 Medical instrumentation (3)
- BMET316 Medical Imaging Technology (3)
- BMET318 Telemedicine (3)

Renewable Energy and Sustainable Power **10**

- SUST210 Renewable Energy: Science, Technology and Management (4)

Select two

- REET302 Introduction to Alternative Energy Technologies (3)
- REET322 Power Electronics and Alternative Energy Applications (3)
- REET326 Electric Machines and Power Systems (3)

Note: All students should see General Notes *at the beginning of* Colleges & Programs of Study.

Note: This program includes Diversity, Equity and Inclusion (DE&I) courses. A complete list of DE&I courses is found in Diversity, Equity and Inclusion (DE&I) Coursework.

Employment positions determined to be in field, to calculate the graduate employment rates required by the state of California, for graduates of the Associate of Applied Science in Engineering Technology degree program include: Electronics Engineering Technicians (17-3023.01); Electrical Engineering Technicians (17-3023.03). Please note, both the 2010 and 2018 versions of the Standard Occupational Classification (SOC) are reflected. More information about these careers may be found at www.onetonline.org/crosswalk/ ***by searching for the career title or SOC number.***

For additional program information, visit devry.edu/aet.

Engineering Technology Program, Bachelor's Degree

DeVry's Engineering Technology bachelor's degree program prepares students to apply 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 as applied to situations such as industrial processes, healthcare systems, transportation of goods and electrical power delivery. In addition to core technical coursework, students select from a wide range of technical and business courses to augment and focus their program to their desired career goals.

TECHPATH

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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 utilized throughout the Internet of Things ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security.

Tech Core courses feature a customized Internet of Things bundle to complement course instruction and provide practical, hands on experience. The bundle is an ensemble of sensors, digital modules, network components and software tools to simulate Internet based applications and create an interactive student experience. To support this experience, the university will provide students enrolled in this program with a laptop computer.

Notes:

- *To complete their program, students must meet requirements outlined in* Engineering and Information Sciences – General Course Requirements.
- *For information on accreditation, please see the Programmatic Accreditation and Recognition section.*

Program Educational Objectives

Program educational objectives are broad statements describing expectations of skill attainment within a few years of graduation. Program educational objectives address the needs of the program's constituencies. The program has the following objectives:

- Support successful design, development and testing of information technology systems.
- Communicate and collaborate effectively with individuals or teams.
- Exercise critical and systemic thinking, as well as ethical responsibility, in solving professional challenges.
- Contribute to society through a chosen field.
- Remain abreast of developments in technology and society.

Student Outcomes

Student outcomes describe expectations of field knowledge and ability by the time of graduation. These relate to the skills, knowledge, and behaviors that students acquire as they progress through the program. The student outcomes for this program include:

- Analyze complex engineering technology problems and apply knowledge, techniques, skills and modern tools of mathematics, science, engineering, and technology to identify solutions;
- Design, implement, and evaluate an engineering technology solution to meet a given set of requirements;
- Communicate effectively in written, oral, and graphical forms in a variety of professional contexts;
- Recognize professional responsibilities and make informed judgments in engineering technology practice based on legal and ethical principles;
- Function effectively as a member or leader of a team engaged in responsibilities appropriate to engineering technology;
- Conduct standard tests, measurements, and experiments, analyze, and interpret the results to improve processes.

Program Details

Degree: Bachelor of Science in Engineering Technology
Semesters: 8 full time
Minimum credit hours required for graduation: 126
Normal time to complete: just under 3 years, assuming enrollment in 15–17 credit hours per semester and attending 3 semesters per year (see *Course Loads*).

Program Outline
Within each course area, courses are shown with their designators (i.e., COLL148), titles and credit hours. Students interested in alternate course options should contact their student support advisor to determine whether alternates are offered for any course listed below. Additional information is found in *Course Descriptions*.

Course Area	Minimum Credit Hours
Communication Skills	**15**

- ENGL112 Composition (4)
- ENGL135 Advanced Composition (4)
- ENGL216 Technical Writing (4)

Select one

- SPCH275 Public Speaking (3)

- SPCH276 Intercultural Communication (3)

Humanities **6**

- LAS432 Technology, Society, and Culture (3)

Select one

- ETHC232 Ethical and Legal Issues in the Professions (3)
- ETHC334 Diversity, Equity and Inclusion in the Workplace (3)

Social Sciences **9**

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

Select one

- SOCS325 Environmental Sociology (3)
- SOCS350 Cultural Diversity in the Professions (3)

Mathematics and Natural Sciences **27**

- CEIS301 Engineering Technology Fundamentals (3)
- ECT345 Signals and Systems with Lab (4)
- MATH114 Algebra for College Students (4)
- MATH190 Pre-Calculus (4)
- MATH221 Statistics for Decision Making (4)
- MATH265 Applied Calculus (4)
- PHYS204 Applied Physics with Lab (4)

Personal and Professional Development **5**

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

Tech Core **21**

- CEIS101 Introduction to Technology and Information Systems (2)
- CEIS106 Introduction to Operating Systems (4)
- CEIS110 Introduction to Programming (3)
- CEIS114 Introduction to Digital Devices (3)
- NETW191 Fundamentals of Information Technology and Networking (3)
- NETW211 Fundamentals of Cloud Computing (3)
- SEC285 Fundamentals of Information System Security (3)

Automation and Electronic Systems **12**

- ECT226 Electronic Device and System Foundations (3)
- ECT286 Automation and Control (3)
- ECT315 Industrial IoT (3)
- NETW310 Wired, Optical and Wireless Communications with Lab (3)

Analysis and Design **9**

- CEIS308 Systems and Computer Aided Design (3)
- CEIS310 Process Improvement with Machine Learning (3)

- CEIS312 Introduction to Artificial Intelligence and Machine Learning (3)

Career Preparation **9**

- CEIS299 Careers and Technology (1)
- CEIS499 Preparation for the Profession (1)
- MGMT404 Project Management (4)
- TECH460 Senior Project (3)

Technical and Business Selection **13**

Student's select applicable courses from the College of Engineering & Information Sciences and the 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 applicable with permission from the appropriate academic administrator.

Note: All students should see General Notes *at the beginning of* Colleges & Programs of Study.

Note: Students must take CEIS101 prior to taking any other technical courses in the Tech Core through all the technical course areas in the program, including Technology Career Preparation and the Senior Project.

Note: This program includes Diversity, Equity and Inclusion (DE&I) courses. A complete list of DE&I courses is found in Diversity, Equity and Inclusion (DE&I) Coursework.

Employment positions determined to be in field, to calculate the graduate employment rates required by the state of California, for graduates of the Bachelor of Science in Engineering Technology – Electronics degree program include: Electronics Engineering Technicians (17-3023.01); Electrical Engineering Technicians (17-3023.03). Please note, both the 2010 and 2018 versions of the Standard Occupational Classification (SOC) are reflected. More information about these careers may be found at www.onetonline.org/crosswalk/ ***by searching for the career title or SOC number.***

For additional program information, visit devry.edu/bet.

Cloud Computing Certificate Program

DeVry's Cloud Computing undergraduate certificate program is designed to prepare students with the knowledge and skills necessary to help 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.

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 utilized throughout the Internet of Things ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security.

Tech Core courses feature a customized Internet of Things bundle to complement course instruction and provide practical, hands on experience. The bundle is an ensemble of sensors, digital modules, network components and software tools to simulate Internet based applications and create an interactive student experience.

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

- Identify and utilize cloud computing models and types of available technologies and services.
- Design a cloud computing infrastructure and/or service.
- Configure, deploy, and manage a cloud computing system considering security threats and risk mitigation.

Program Details
Credential: Undergraduate Certificate in Cloud Computing
Semesters: 4
Minimum credit hours required for certificate completion: 40
Normal time to complete: 1.5 years, assuming enrollment in 9–12 credit hours per semester and attending 3 semesters per year (see *Course Loads*)

Program Outline
Within each course area, courses are shown with their designators (i.e., COLL148), titles and credit hours. Students interested in alternate course options should contact their student support advisor to determine whether alternates are offered for any course listed below. Additional information is found in *Course Descriptions*.

Course Area	Minimum Credit Hours
Mathematics	**4**

- MATH114 Algebra for College Students (4)

Tech Core **18**

- CEIS101C Introduction to Technology and Information Systems (2)
- CEIS106 Introduction to Operating Systems (4)
- CEIS110 Introduction to Programming (3)
- NETW191 Fundamentals of Information Technology and Networking (3)
- NETW211 Fundamentals of Cloud Computing (3)
- SEC285 Fundamentals of Information Systems Security (3)

Network Systems Administration **6**

- NETW310 Wired, Optical and Wireless Communications with Lab (3)
- NETW320 Converged Networks with Lab (3)

Cloud Based Virtualization **10**

- NETW404 Data Center Virtualization (3)
- NETW414 Cloud Computing Architecture (3)
- WEB375 Web Architecture with Lab (4)

Career Preparation **2**

- CEIS299 Careers and Technology (1)
- CEIS499 Preparation for the Profession (1)

Note: All students should see General Notes *at the beginning of* Colleges & Programs of Study.

Employment positions determined to be in field, to calculate the graduate employment rates required by the state of California, for graduates of the Undergraduate Certificate program in Cloud Computing include: Computer Systems Analysts (15-1211.00) and Computer User Support Specialists (15-1232.00). Please note, both the 2010 and 2018 versions of the Standard Occupational Classification (SOC) are reflected. More information about these careers may be found at www.onetonline.org/crosswalk/ ***by searching for the career title or SOC number.***

For additional program information, visit devry.edu/ucclc.

Cyber Security Certificate Program

DeVry's Cyber Security undergraduate certificate helps prepare students to provide essential business infrastructure in the field of cyber security to support financial, healthcare, commercial and industrial organizations. The applied curriculum provides skill building to address the concerns of an increasingly complex and pervasive digital world, including data breaches, hacking and other cybercrimes. Coursework provides the knowledge, skills, and abilities necessary to identify cyber vulnerabilities, establish countermeasures to breeches, and protect applications and hardware systems from malicious attacks ensuring an organization's infrastructure remains available, confidential, and trustworthy.

TECHPATH

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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 utilized throughout the Internet of Things ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security.

Tech Core courses feature a customized Internet of Things bundle to complement course instruction and provide practical, hands on experience. The bundle is an ensemble of sensors, digital modules, network components and software tools to simulate Internet based applications and create an interactive student experience.

Students who complete the Cyber Security undergraduate certificate can apply all coursework to the bachelor degree program in Information Technology & Networking with a track in Cyber Security.

Program Outcomes
The certificate enables graduates who are able to:

- Create strategies to secure networks, mitigate risks, and protect information assets.
- Implement, validate, and update security infrastructure and measures.
- Apply and manage information assurance policies, while upholding ethical, legal and regulatory guidelines.

Program Details
Credential: Undergraduate Certificate in Cyber Security
Semesters: 4
Minimum credit hours required for certificate completion: 40

Normal time to complete: 1.5 years, assuming enrollment in 9–11 credit hours per semester and attending 3 semesters per year (see *Course Loads*)

Program Outline
Within each course area, courses are shown with their designators (i.e., COLL148), titles and credit hours. Students interested in alternate course options should contact their student support advisor to determine whether alternates are offered for any course listed below. Additional information is found in *Course Descriptions*.

Course Area	Minimum Credit Hours
Mathematics	**4**
• MATH114 Algebra for College Students (4)	
Tech Core	**21**
• CEIS101C Introduction to Technology and Information Systems (2)	
• CEIS106 Introduction to Operating Systems (4)	
• CEIS110 Introduction to Programming (3)	
• CEIS114 Introduction to Digital Devices (3)	
• NETW191 Fundamentals of Information Technology & Networking (3)	
• NETW211 Fundamentals of Cloud Computing (3)	
• SEC285 Fundamentals of Information Security (3)	
Technology Career Preparation	**2**
• CEIS299 Careers and Technology (1)	
• CEIS499 Preparation for the Profession (1)	
Cyber Security	**13**
• SEC290 Fundamentals of Infrastructure Security (3)	
• SEC311 Ethical Hacking (3)	
• SEC321 Network Security Testing with Lab (3)	
• SEC310 Principles and Theory of Security Management (4)	

Note: All students should see General Notes *at the beginning of* Colleges & Programs of Study.

Note: Credits and degrees earned from this institution 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 determined to be in field, to calculate the graduate employment rates required by the state of California, for graduates of the Undergraduate Certificate program in Cyber Security include: Information Security Analyst (15-1122.00); Computer User Support Specialist (15-1151.00). More information about these careers may be found at www.onetonline.org/crosswalk/ ***by searching for the career title or SOC number.***

For additional program information, visit devry.edu/uccs.

Information Technology Essentials Certificate Program

The Information Technology Essentials Undergraduate Certificate 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 are provided.

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 is why our programs are infused 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.

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 utilized throughout the Internet of Things ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security.

Tech Core courses feature a customized Internet of Things bundle to complement course instruction and provide practical, hands on experience. The bundle is an ensemble of sensors, digital modules, network components and software tools to simulate Internet based applications and create an interactive student experience.

Students who complete the Information Technology Essentials undergraduate certificate can apply all coursework to the associate degree program in Information Technology & Networking with a track in Automation and Electronic Systems.

Program Outcomes
This program is designed to produce graduates who are able to:

- Develop working knowledge of how computing systems operate.
- Identify common security threats and vulnerabilities in computing systems
- Apply skills and procedures to install, configure, and troubleshoot computing systems

Program Details
Credential: Undergraduate Certificate in Information Technology Essentials
Semesters: 3
Minimum credit hours required for certificate completion: 23
Normal time to complete: 1 year, assuming enrollment in at least 6-10 credit hours per semester and attending 3 semesters per year (see *Course Loads*)

Program Outline
Within each course area, courses are shown with their designators (i.e., COLL148), titles and credit hours. Students interested in alternate course options should contact their student support advisor to determine whether alternates are offered for any course listed below. Additional information is found in *Course Descriptions*.

Course Area	Minimum Credit Hours
Mathematics	**4**
• MATH114 Algebra for College Students (4)	
Tech Core	**18**
• CEIS101C Introduction to Technology and Information Systems (2)	
• CEIS106 Introduction to Operating Systems (4)	
• CEIS110 Introduction to Programming (3)	
• CEIS114 Introduction to Digital Devices (3)	
• NETW191 Fundamentals of Information Technology & Networking (3)	
• NETW211 Fundamentals of Cloud Computing (3)	
Technology Career Preparation	**1**
• CEIS299 Careers and Technology (1)	

Note: All students should see General Notes *at the beginning of* Colleges & Programs of Study.

Note: Credits and degrees earned from this institution 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 determined to be in field, to calculate the graduate employment rates required by the state of California, for graduates of the Undergraduate Certificate program in Information Technology Essentials include: Computer User Support Specialist (15-1151.00); Computer Systems Analyst (15-1121.00). More information about these careers may be found at www.onetonline.org/crosswalk/ ***by searching for the career title or SOC number.***

For additional program information, visit devry.edu/ucite.

Internet of Things Certificate Program

DeVry's Internet of Things (IoT) undergraduate certificate program is designed to prepare students with the knowledge and skills necessary to integrate industrial and enterprise ventures with an IoT infrastructure facilitating the 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.

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 utilized throughout the Internet of Things ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security.

Tech Core courses feature a customized Internet of Things bundle to complement course instruction and provide practical, hands on experience. The bundle is an ensemble of sensors, digital modules, network components and software tools to simulate Internet based applications and create an interactive student experience.

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

- Develop basic network and device infrastructures to improve operations, increase safety and security, and streamline automation and industrial systems.
- Build, implement and operate IoT systems.
- Configure, deploy, and manage an IoT system including security threats and risk mitigation.

Program Details
Credential: Undergraduate Certificate in Internet of Things
Semesters: 4
Minimum credit hours required for certificate completion: 40
Normal time to complete: 1.5 years, assuming enrollment in 9–12 credit hours per semester and attending 3 semesters per year (see *Course Loads*)

Program Outline

Within each course area, courses are shown with their designators (i.e., COLL148), titles and credit hours. Students interested in alternate course options should contact their student support advisor to determine whether alternates are offered for any course listed below. Additional information is found in *Course Descriptions*.

Course Area	Minimum Credit Hours
Mathematics	**4**

- MATH114 Algebra for College Students (4)

Tech Core **21**

- CEIS101C Introduction to Technology and Information Systems (2)
- CEIS106 Introduction to Operating Systems (4)
- CEIS110 Introduction to Programming (3)
- CEIS114 Introduction to Digital Devices (3)
- NETW191 Fundamentals of Information Technology and Networking (3)
- NETW211 Fundamentals of Cloud Computing (3)
- SEC285 Fundamentals of Information Systems Security (3)

Mobile and Distributed Devices **13**

- CEIS490 Ecosystem of The Internet of Things (3)
- ECT286 Automation and Controls (3)
- ECT315 Industrial IoT (3)
- NETW411 Information Security and Mobile Devices (4)

Career Preparation **2**

- CEIS299 Careers and Technology (1)
- CEIS499 Preparation for the Profession (1)

Note: All students should see General Notes *at the beginning of* Colleges & Programs of Study.

Employment positions determined to be in field, to calculate the graduate employment rates required by the state of California, for graduates of the Undergraduate Certificate program in Internet of Things (IOT) include: Computer Network Architect (15-1241.00) and Computer User Support Specialist (15-1232.00). Please note, both the 2010 and 2018 versions of the Standard Occupational Classification (SOC) are reflected. More information about these careers may be found at www.onetonline.org/crosswalk/ ***by searching for the career title or SOC number.***

For additional program information, visit devry.edu/uciot.

Networking Essentials Certificate Program

The Networking Essentials Undergraduate Certificate 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 the 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.

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 is why our programs are infused 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.

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 utilized throughout the Internet of Things ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security.

Tech Core courses feature a customized Internet of Things bundle to complement course instruction and provide practical, hands on experience. The bundle is an ensemble of sensors, digital modules, network components and software tools to simulate Internet based applications and create an interactive student experience.

Program Outcomes

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

- Identify opportunities where network configuration can unite operational technology and information technology systems
- Establish a basic network by installing, configuring, securing and testing multiple network operating systems and selected hardware such as network servers and routers.
- Utilize contemporary techniques and tools to maintain and optimize basic network configurations and systems.

Program Details

Credential: Undergraduate Certificate in Networking Essentials
Semesters: 3
Minimum credit hours required for certificate completion: 23
Normal time to complete: 1 year, assuming enrollment in at least 6-10 credit hours per semester and attending 3 semesters per year (see *Course Loads*)

Program Outline
Within each course area, courses are shown with their designators (i.e., COLL148), titles and credit hours. Students interested in alternate course options should contact their student support advisor to determine whether alternates are offered for any course listed below. Additional information is found in *Course Descriptions*.

Course Area	Minimum Credit Hours
Mathematics	**4**
• MATH114 Algebra for College Students (4)	
Tech Core	**12**
• CEIS101C Introduction to Technology and Information Systems (2)	
• CEIS106 Introduction to Operating Systems (4)	
• NETW191 Fundamentals of Information Technology & Networking (3)	
• NETW211 Fundamentals of Cloud Computing (3)	
Network Systems Administration	**6**
• NETW260 Intermediate Information Technology & Networking I (3)	
• NETW270 Intermediate Information Technology & Networking II (3)	
Technology Career Preparation	**1**
• CEIS299 Careers and Technology (1)	

Note: All students should see General Notes *at the beginning of* Colleges & Programs of Study.

Note: Credits and degrees earned from this institution 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 determined to be in field, to calculate the graduate employment rates required by the state of California, for graduates of the Undergraduate Certificate program in Networking Essentials include: Computer User Support Specialist (15-1151.00); Computer Systems Analyst (15-1121.00). More information about these careers may be found at www.onetonline.org/crosswalk/ ***by searching for the career title or SOC number.***

For additional program information, visit devry.edu/ucne.
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Information Technology & Networking Associate Degree Program

The 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.

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 is why our programs are infused 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.

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 utilized throughout the Internet of Things ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security.

Tech Core courses feature a customized Internet of Things bundle to complement course instruction and provide practical, hands on experience. The bundle is an ensemble of sensors, digital modules, network components and software tools to simulate Internet based applications and create an interactive student experience. To support this experience, the university will provide students enrolled in this program with a laptop computer.

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:

- Successfully support maintenance, installation and testing of information technology, computing, and/or automated systems.
- Communicate and collaborate effectively with individuals and teams.
- Exercise critical and systemic thinking, as well as ethical responsibility in solving professional challenges.
- Remain abreast of developments in technology and society.

This degree program accomplishes these objectives by fostering the student outcomes listed below.

Student Outcomes
Student outcomes are the skills and abilities students are expected to demonstrate at graduation. The student outcomes for this program include:

- Apply knowledge, techniques, skills and contemporary tools of mathematics, science, engineering, and technology to solve well-defined technology problems appropriate to disciplines such as Information Technology, Information Systems, and or Automation and Controls Systems.
- Design solutions for well-defined technology problems and assist with design of systems, components, or processes appropriate to disciplines such as Information Technology, Information Systems, and/or Automation and Controls Systems.
- Conduct, analyze, and interpret results of standard tests, measurements, and experimentation relevant to the field.
- Function effectively as a member of a technical team.
- Communicate effectively in written, oral, and graphical forms using various media and directed to variety of audiences.
- Source and utilize information and resources appropriate to the discipline and context.
- Apply principles of technology in the building, testing, operation, and maintenance of connected and distributed digital-based systems.

Program Details
Degree: Associate of Applied Science in Information Technology and Networking (in Florida, Associate of Science in Information Technology and Networking)
Semesters: 4 full time
Minimum credit hours required for graduation: 60
Normal time to complete: 2 years, assuming enrollment in 15 credit hours per semester and attending 2 semesters per year; enrollment in 16-18 credit hours (9-10 credit hours per session) may be needed in some semesters (see *Course Loads*)

Program Outline
Within each course area, courses are shown with their designators (i.e., COLL148), titles and credit hours. Students interested in alternate course options should contact their student support advisor to determine whether alternates are offered for any course listed below. Additional information is found in *Course Descriptions*.

Course Area	Minimum Credit Hours
Communication Skills	**7**

- ENGL112 Composition (4)

Select one

- SPCH275 Public Speaking (3)
- SPCH276 Intercultural Communication (3)

Humanities	**3**

Select one

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

- ETHC334 Diversity, Equity and Inclusion in the Workplace (3)

Social Sciences **3**

- SOCS185 Culture and Society (3)

Mathematics and Natural Sciences **8**

- MATH114 Algebra for College Students (4)
- PHYS204 Applied Physics with Lab (4)

Personal and Professional Development **5**

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

Tech Core **21**

- CEIS101 Introduction to Technology and Information Systems (2)
- CEIS106 Introduction to Operating Systems (4)
- CEIS110 Introduction to Programming (3)
- CEIS114 Introduction to Digital Devices (3)
- NETW191 Fundamentals of Information Technology & Networking (3)
- NETW211 Fundamentals of Cloud Computing (3)
- SEC285 Fundamentals of Information Systems Security (3)

Career Preparation **1**

- CEIS299 Careers and Technology (1)

Track – one option is selected **12**

Automation and Electronic Systems

- ECT226 Electronic Device and System Foundations (3)
- ECT286 Automation and Control (3)
- ECT315 Industrial IoT (3)
- NETW310 Wired, Optical and Wireless Communications with Lab (3)

Information Systems and Programming

- CEIS150 Programming with Objects (4)
- CEIS209 Intermediate Programming (4)
- CEIS236 Database Systems and Programming Fundamentals (4)

Network Systems Administration

- NETW260 Intermediate Information Technology & Networking I (3)
- NETW270 Intermediate Information Technology & Networking II (3)
- NETW310 Wired, Optical and Wireless Communications with Lab (3)
- SEC290 Fundamentals of Infrastructure Security (3)

Note: All students should see General Notes *at the beginning of* Colleges & Programs of Study.

Note: Credits and degrees earned from this institution do not automatically qualify the holder to participate in professional certification or licensure exams. DeVry does not guarantee graduates will successfully pass such exams.

Note: Students must take CEIS101 prior to taking any other technical courses in the Tech Core through all the technical course areas in the program, including Technology Career Preparation and the Track.

Note: This program includes Diversity, Equity and Inclusion (DE&I) courses. A complete list of DE&I courses is found in Diversity, Equity and Inclusion (DE&I) Coursework.

Employment positions determined to be in field, to calculate the graduate employment rates required by the state of California, for graduates of the Associate of Applied Science in Information Technology and Networking degree program include: Computer Network Support Specialists (15-1152.00); Computer Systems Analyst (15-1121.00). More information about these careers may be found at www.onetonline.org/crosswalk/ ***by searching for the career title or SOC number.***

For additional program information, visit devry.edu/aitn

Network Systems Administration Associate Degree Program

The Network Systems Administration program 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.

TECHPATH

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

- Establish and administer a network by installing, configuring, securing and testing multiple network operating systems and selected hardware such as network servers and routers.
- Communicate effectively both orally and in writing.
- Demonstrate teamwork skills.
- Apply research and problem-solving skills.

Program Details
Degree: Associate of Applied Science in Network Systems Administration (in Florida, Associate of Science in Network Systems Administration; in New York and Pennsylvania, Associate in Applied Science in Network Systems Administration)
Semesters: 5 full time
Minimum credit hours required for graduation: 67[1,2]
Normal time to complete: 2.5 years, assuming enrollment in 15–16 credit hours per semester and attending 2 semesters per year; enrollment in 17–20 credit hours may be needed in some semesters (see *Course Loads*)

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 or academic advisor for more information.

[1] *65 for students enrolled at a New Jersey location.*
[2] *70 for students enrolled at a Pennsylvania location.*

Program Outline
Within each course area, courses are shown with their designators (i.e., COLL148), titles and credit hours. Students interested in alternate course options should contact their student support advisor to determine whether alternates are offered for any course listed below. Additional information is found in *Course Descriptions*.

Course Area	Minimum Credit Hours
Communication Skills	**11**[3]
• ENGL112[4] Composition (4)	
• ENGL135 Advanced Composition (4)	
Select one	
• SPCH275 Public Speaking (3)	
• SPCH276 Intercultural Communication (3)	
Humanities[5]	**3**[6]
Select one	
• ETHC232 Ethical and Legal Issues in the Professions (3)	
• ETHC334 Diversity, Equity and Inclusion in the Workplace (3)	
Social Sciences	**3**
• SOCS185[7] Culture and Society (3)	
Mathematics and Natural Sciences	**8**
• MATH114 Algebra for College Students (4)	
• PHYS204 Applied Physics with Lab (4)	
Personal and Professional Development	**5**
• CARD205 Career Development (2)	
• COLL148 Critical Thinking and Problem-Solving (3)	
Tech Core	**21**
• CEIS101 Introduction to Technology and Information Systems (2)	
• CEIS106 Introduction to Operating Systems (4)	
• CEIS110 Introduction to Programming (3)	
• CEIS114 Introduction to Digital Devices (3)	
• NETW191 Fundamentals of Information Technology and Networking (3)	
• NETW211 Fundamentals of Cloud Computing (3)	
• SEC285 Fundamentals of Information Systems Security (3)	
Information Technology and Networking	**16**
• NETW260 Intermediate Information Technology and Networking I (3)	
• NETW270 Intermediate Information Technology and Networking II (3)	

[3] *10 for students enrolled at a New Jersey location.*
[4] *Students enrolled at a New Jersey location take ENGL108 in lieu of this course.*
[5] *Students enrolled at a Pennsylvania location must take HUMN451 as part of this requirement.*
[6] *6 for students enrolled at a Pennsylvania location.*
[7] *Students enrolled at a Nevada location must take POLI332 in lieu of this requirement.*

- NETW310 Wired Optical and Wireless Communication with Lab (3)
- NETW320 Converged Networks with Lab (3)
- SEC310 Principles and Theory of Security Management (4)

Career Preparation **1**

- CEIS299 Careers and Technology (1)

Note: All students should see General Notes *at the beginning of* Colleges & Programs of Study.

Note: Students enrolled at a New Jersey location must take an additional three semester-credit hours of general education coursework from among the following course areas: communication skills, humanities, social sciences, mathematics and natural sciences.

Note: This program includes Diversity, Equity and Inclusion (DE&I) courses. A complete list of DE&I courses is found in Diversity, Equity and Inclusion (DE&I) Coursework.

Employment positions determined to be in field, to calculate the graduate employment rates required by the state of California, for graduates of the Associate of Applied Science in Network Systems Administration (in Florida, Associate of Science in Network Systems Administration; in New York and Pennsylvania, Associate in Applied Science in Network Systems Administration) degree program include: Computer Network Support Specialists (15-1152.00) [2010] and Computer Network Support Specialists (15-1231.00) [2018]. Please note, both the 2010 and 2018 versions of the Standard Occupational Classification (SOC) are reflected. More information about these careers may be found at www.onetonline.org/crosswalk/ ***by searching for the career title or SOC number.***

For additional program information, visit devry.edu/ansa.

Information Technology & Networking Bachelor's Degree Program

The Information Technology & Networking bachelor's degree program provides students with the 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 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.

TECHPATH

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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 utilized throughout the Internet of Things ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security.

Tech Core courses feature a customized Internet of Things bundle to complement course instruction and provide practical, hands on experience. The bundle is an ensemble of sensors, digital modules, network components and software tools to simulate Internet based applications and create an interactive student experience. To support this experience, the university will provide students enrolled in this program with a laptop computer.

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:

- Support successful design, development and testing of information technology systems.
- Communicate and collaborate effectively with individuals or teams.
- Exercise critical and systemic thinking, as well as ethical responsibility, in solving professional challenges.
- Contribute to society through a chosen field.
- Remain abreast of developments in technology and society.

This degree program accomplishes these objectives by fostering the student outcomes listed below.

Student Outcomes
Student outcomes are the skills and abilities students are expected to demonstrate at graduation. The Student outcomes for this program include:

- Analyze complex information technology and networking problems and apply principles of computing, data networking, and security and other relevant disciplines to identify solutions;
- Design, implement, and evaluate an information technology and networking solution to meet a given set of requirements.
- Communicate effectively in written, oral, and graphical forms in a variety of professional contexts.
- Recognize professional responsibilities and make informed judgments in information technology and networking practice based on legal and ethical principles.
- Function effectively as a member or leader of a team engaged in responsibilities appropriate to information technology and networking.
- Identify and analyze user needs and incorporate them in the selection, creation, integration, evaluation, and administration of information technology and networking systems.

Program Details
Degree: Bachelor of Science in Information Technology and Networking
Semesters: 8 full time
Minimum credit hours required for graduation: 120
Normal time to complete: 4 years, assuming enrollment in 15 credit hours per semester and attending 2 semesters per year; enrollment in 16-18 credit hours (9-10 credit hours per session) may be needed in some semesters (see *Course Loads*)

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 or academic advisor for more information.

Program Outline
Within each course area, courses are shown with their designators (i.e., COLL148), titles and credit hours. Students interested in alternate course options should contact their student support advisor to determine whether alternates are offered for any course listed below. Additional information is found in *Course Descriptions*.

Course Area	Minimum Credit Hours
Communication Skills	**15**

- ENGL112 Composition (4)
- ENGL135 Advanced Composition (4)
- ENGL216 Technical Writing (4)

Select one

- SPCH275 Public Speaking (3)

- SPCH276 Intercultural Communication (3)

Humanities **6**

- LAS432 Technology, Society, and Culture (3)

Select one

- ETHC232 Ethical and Legal Issues in the Professions (3)
- ETHC334 Diversity, Equity and Inclusion in the Workplace (3)

Social Sciences **9**

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

Select one

- SOCS325 Environmental Sociology (3)
- SOCS350 Cultural Diversity in the Professions (3)

Mathematics and Natural Sciences **16**

- MATH114 Algebra for College Students (4)
- MATH221 Statistics for Decision-Making (4)
- MATH234 Discrete Math in Information Technology (4)
- PHYS204 Applied Physics with Lab (4)

Personal and Professional Development **5**

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

Tech Core **21**

- CEIS101 Introduction to Technology and Information Systems (2)
- CEIS106 Introduction to Operating Systems (4)
- CEIS110 Introduction to Programming (3)
- CEIS114 Introduction to Digital Devices (3)
- NETW191 Fundamentals of Information Technology and Networking (3)
- NETW211 Fundamentals of Cloud Computing (3)
- SEC285 Fundamentals of Information Systems Security (3)

Information Systems and Programming **11**

- CEIS150 Programming Objects with Lab (4)
- CEIS236 Database Systems and Programming Fundamentals (4)
- CEIS312 Introduction to Artificial Intelligence and Machine Learning (3)

Network Systems Administration **15**

- MGMT408 Management of Technology Resources (3)
- NETW260 Intermediate Information Technology & Networking I (3)
- NETW270 Intermediate Information Technology & Networking II (3)
- NETW310 Wired, Optical and Wireless Communications with Lab (3)
- NETW320 Converged Networks with Lab (3)

Career Preparation **9**

- CEIS299 Careers and Technology (1)
- CEIS499 Preparation for the Profession (1)
- MGMT404 Project Management (4)
- TECH460 Senior Project (3)

Track – one option is selected **13**

Cloud Based Networking and Virtualization

- CEIS340 Database Management (3)
- NETW404 Data Center Virtualization (3)
- NETW414 Cloud Computing Architecture (3)
- WEB375 Web Architecture with Lab (4)

Cyber Security

- SEC290 Fundamentals of Infrastructure Security (3)
- SEC310 Principles and Theory of Security Management (4)
- SEC311 Ethical Hacking (3)
- SEC321 Network Security Testing with Lab (3)

Mobile and Networked Devices

- CEIS490 Ecosystem of The Internet of Things (3)
- ECT286 Automation and Control (3)
- ECT315 Industrial IoT (3)
- NETW411 Information Security and Mobile Devices (4)

Note: All students should see General Notes *at the beginning of* Colleges & Programs of Study.

Note: Credits and degrees earned from this institution do not automatically qualify the holder to participate in professional certification or licensure exams. DeVry does not guarantee graduates will successfully pass such exams.

Note: Students must take CEIS101 prior to taking any other technical courses in the Tech Core through all the technical course areas in the program, including Technology Career Preparation and the Track.

Note: This program includes Diversity, Equity and Inclusion (DE&I) courses. A complete list of DE&I courses is found in Diversity, Equity and Inclusion (DE&I) Coursework.

Employment positions determined to be in field, to calculate the graduate employment rates required by the state of California, for graduates of the Bachelor of Science in Information Technology and Networking degree program include: Computer Systems Analysts (15-1121.00); Computer Network Support Specialists (15-1152.00); Information Security Analysts (15-1122.00). More information about these careers may be found at www.onetonline.org/crosswalk/ ***by searching for the career title or SOC number.***

For additional program information, visit devry.edu/bitn.

Network & Communications Management Bachelor's Degree Program

To address the need for professionals who can harness technology to advance business goals, DeVry's Network & Communications Management program integrates technology and business management coursework, enabling graduates to analyze communications needs, provide effective networking solutions and fill a critical niche in business organizations. The program addresses designing, implementing, securing and managing networks in order to gain a technical understanding of networking data, voice and images, as well as their strategic application in business.

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 is why our programs are infused 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.

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

- Develop network solutions matched to the needs of the business.
- Manage technologies to support business objectives.
- Communicate effectively both orally and in writing.
- Demonstrate project management skills.
- Apply research and problem-solving skills.

DeVry accomplishes these goals by:

- Providing coursework on networking principles and technologies to develop networking solutions for business using industry standards.
- Incorporating networking and communications technologies into courses based on current and emerging demands such as, but not limited to, wireless and security.

Program Details
Degree: Bachelor of Science in Network and Communications Management (in New York, Bachelor of Professional Studies in Network and Communications Management)
Semesters: 8 full time
Minimum credit hours required for graduation: 124[1,2]
Normal time to complete: 4 years, assuming enrollment in 15–16 credit hours per semester and attending 2 semesters per year; enrollment in 17–20 credit hours may be needed in some semesters (see *Course Loads*)

[1] *128 for students enrolled at a New Jersey location.*
[2] *127 for students enrolled at a Pennsylvania location.*

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 or academic advisor for more information.

Program Outline
Within each course area, courses are shown with their designators (i.e., COLL148), titles and credit hours. Students interested in alternate course options should contact their student support advisor to determine whether alternates are offered for any course listed below. Additional information is found in *Course Descriptions*.

Course Area	Minimum Credit Hours
Communication Skills	**15**[3]
• ENGL112[4] Composition (4)	
• ENGL135 Advanced Composition (4)	
• ENGL216 Technical Writing (4)	
Select one	
• SPCH275 Public Speaking (3)	
• SPCH276 Intercultural Communication (3)	
Humanities[5,6]	**6**[7]
• LAS432 Technology, Society, and Culture (3)	
Select one	
• ETHC232 Ethical and Legal Issues in the Professions (3)	
• ETHC334 Diversity, Equity and Inclusion in the Workplace (3)	
Social Sciences	**9**
• ECON312[8] Principles of Economics (3)	
• SOCS185 Culture and Society (3)	
Select one	
• SOCS325 Environmental Sociology (3)	
• SOCS350 Cultural Diversity in the Professions (3)	
Mathematics and Natural Sciences	**12**[9]
• MATH114 Algebra for College Students (4)	
• MATH221 Statistics for Decision-Making (4)	
• PHYS204 Applied Physics with Lab (4)	

[3] *14 for students enrolled at a New Jersey location.*
[4] *Students enrolled at a New Jersey location take ENGL108 in lieu of this course.*
[5] *Students enrolled at a New Jersey location must take HIST410 as part of this requirement.*
[6] *Students enrolled at a Pennsylvania location must take HUMN451 as part of this requirement.*
[7] *9 for students enrolled at a Pennsylvania location.*
[8] *Students enrolled at a Nevada location must take POLI332 in lieu of this requirement.*
[9] *11 for students enrolled at a New Jersey location.*

Personal and Professional Development **5**

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

Business **7**

- ACCT212 Financial Accounting (4)
- MGMT408 Management of Technology Resources (3)

Computing **21**

- CEIS101 Introduction to Technology and Information Systems (2)
- CEIS106 Introduction to Operating Systems (4)
- CEIS110 Introduction to Programming (3)
- CEIS114 Introduction to Digital Devices (3)
- NETW191 Fundamentals of Information Technology and Networking (3)
- NETW211 Fundamentals of Cloud Computing (3)
- SEC285 Fundamentals of Information Security (3)

Information Systems and Programming **7**

- CEIS236 Database Systems and Programming Fundamentals (4)
- CEIS312 Introduction to Artificial Intelligence and Machine Learning (3)

Information Technology and Networking **34**

- NETW260 Intermediate Information Technology & Networking I (3)
- NETW270 Intermediate Information Technology & Networking II (3)
- NETW310 Wired, Optical and Wireless Communications with Lab (3)
- NETW320 Converged Networks with Lab (3)
- NETW411 Information Security and Mobile Device (4)
- PROJ420 Project Risk Management (4)
- SEC290 Fundamentals of Infrastructure Security (3)
- SEC310 Principles and Theory of Security Management (4)
- SEC450 Advanced Network Security with Lab (3)
- WEB375 Web Architecture with Lab (4)

Career Preparation[11] **8**

- CEIS499 Preparation for the Profession (1)
- MGMT404 Project Management (4)
- TECH460 Senior Project (3)

Note: All students should see General Notes *at the beginning of* Colleges & Programs of Study.

Note: Students enrolled at a New Jersey location must take an additional six semester-credit hours of general education coursework from among the following course areas: communication

[11] *Students enrolled at a New Jersey location must take CEIS299 as part of this requirement.*

skills, humanities, social sciences, mathematics and natural sciences. Courses selected in humanities or social sciences should be upper-division coursework (DeVry courses numbered 300–499).

Note: This program includes Diversity, Equity and Inclusion (DE&I) courses. A complete list of DE&I courses is found in Diversity, Equity and Inclusion (DE&I) Coursework.

Employment positions determined to be in field, to calculate the graduate employment rates required by the state of California, for graduates of the Bachelor of Science in Network and Communications Management (in New York, Bachelor of Professional Studies in Network and Communications Management) degree program include: Computer Network Support Specialists (11-1152.00) [2010] and Computer Network Support Specialists (15-1231.00) [2018]. Please note, both the 2010 and 2018 versions of the Standard Occupational Classification (SOC) are reflected. More information about these careers may be found at www.onetonline.org/crosswalk/ ***by searching for the career title or SOC number.***

For additional program information, visit devry.edu/bncm.

Data Mining & Analytics Certificate Program

DeVry's Data Mining & Analytics undergraduate certificate program 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 ability to use and or develop software tools to support organizational decision-making are essential skills in the modern workforce. To help develop these essential skills, the program explores practical uses for programming, analytics software packages, and data mining tools to manage, manipulate, and present small to large data sets. The curriculum also covers strategies for data acquisition, retrieval, storage, management, interpretation and analysis and introduces predictive analytics, modeling methods and visualization.

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 utilized throughout the Internet of Things ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security.

Tech Core courses feature a customized Internet of Things bundle to complement course instruction and provide practical, hands on experience. The bundle is an ensemble of sensors, digital modules, network components and software tools to simulate Internet based applications and create an interactive student experience.

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

- Retrieve, organize and manipulate data using a variety of mining techniques and analytical tools.
- Analyze data, test hypotheses, validate claims, and draw conclusions using appropriate statistical and modeling methods.
- Apply graphical presentation and visual representation techniques to promote understanding and illustration of complex data, process output, and/or system interactions.

Program Details
Credential: Undergraduate Certificate in Data Mining and Analytics
Semesters: 4
Minimum credit hours required for certificate completion: 43
Normal time to complete: 1.5 years, assuming enrollment in 9 to 12 credit hours per semester and attending 3 semesters per year (see *Course Loads*)

Program Outline
Within each course area, courses are shown with their designators (i.e., COLL148), titles and credit hours. Students interested in alternate course options should contact their student support advisor to determine whether alternates are offered for any course listed below. Additional information is found in *Course Descriptions*.

Course Area	Minimum Credit Hours
Mathematics	**8**
• MATH114 Algebra for College Students (4)	
• MATH221 Statistics for Decision-Making (4)	
Digital and Computer Systems	**9**
• CEIS101C Introduction to Technology and Information Systems (2)	
• CEIS106 Introduction to Operating Systems (4)	
• CEIS110 Introduction to Programming (3)	
Coding and Programming	**11**
• CEIS150 Programming with Objects (4)	
• CEIS236 Database Systems and Programming Fundamentals (4)	
• CEIS312 Introduction to Artificial Intelligence and Machine Learning (3)	
Data and Analysis	**13**
• BIAM300 Managerial Applications of Business Analytics (4)	
• CEIS340 Database Management (3)	
• CEIS480 Data Mining and Analytics (3)	
• CEIS485 Data Interpretation and Statistical Analysis (3)	
Career Preparation	**2**
• CEIS299 Careers and Technology (1)	
• CEIS499 Preparation for the Profession (1)	

Note: All students should see General Notes at the beginning of Colleges & Programs of Study.

Employment positions determined to be in field, to calculate the graduate employment rates required by the state of California, for graduates of the Undergraduate Certificate program in Data Mining & Analytics include: Software Developers (15-1252.00) and Web Administrators (15-1299.01). Please note, both the 2010 and 2018 versions of the Standard Occupational Classification (SOC) are reflected. More information about these careers may be found at www.onetonline.org/crosswalk/ ***by searching for the career title or SOC number.***

For additional program information, visit devry.edu/ucdma.

Programming Essentials Certificate Program

The Programming Essentials Undergraduate Certificate is designed to provide students with basic coding skills to maximize their understanding and use of software. The certificate develops initial expertise in the use of software to implement computer-based business solutions in information systems with languages such as Python and C++. The coursework helps prepare students for the Microsoft Technology Associate Certification – Introduction to Programming Using Python, which tests and validates knowledge to write syntactically correct Python code, recognize data types supported by Python, and be able to recognize and write Python code that will logically solve a given problem.

TECHPATH

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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 utilized throughout the Internet of Things ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security.

Tech Core courses feature a customized Internet of Things bundle to complement course instruction and provide practical, hands on experience. The bundle is an ensemble of sensors, digital modules, network components and software tools to simulate Internet based applications and create an interactive student experience.

Program Outcomes
This certificate is designed to produce graduates who are able to:

- Utilize at least one modern computer programming language to implement computer-based information system solutions
- Write programs that enable information to be stored, processed and communicated in meaningful ways to end users.
- Identify and correct data, syntax and programming logic errors.

Program Details
Credential: Undergraduate Certificate in Programming Essentials
Semesters: 2
Minimum credit hours required for certificate completion: 22
Normal time to complete: 1 year, assuming enrollment in at least 6-9 credit hours per semester and attending 3 semesters per year (see *Course Loads*)

Program Outline
Within each course area, courses are shown with their designators (i.e., COLL148), titles and credit hours. Students interested in alternate course options should contact their student support advisor to determine whether alternates are offered for any course listed below. Additional information is found in *Course Descriptions*.

Course Area	Minimum Credit Hours
Mathematics	**4**
• MATH114 Algebra for College Students (4)	
Tech Core	**9**
• CEIS101C Introduction to Technology and Information Systems (2)	
• CEIS106 Introduction to Operating Systems (4)	
• CEIS110 Introduction to Programming (3)	
Information Systems and Programming	**8**
• CEIS150 Programming with Objects (4)	
• CEIS209 Intermediate Programming (4)	
Career Preparation	**1**
• CEIS299 Careers and Technology (1)	

Note: All students should see General Notes *at the beginning of* Colleges & Programs of Study.

Note: Credits and degrees earned from this institution 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 determined to be in field, to calculate the graduate employment rates required by the state of California, for graduates of the Undergraduate Certificate program in Programming Essentials include: Computer User Support Specialist (15-1151.00); Computer Systems Analyst (15-1121.00). More information about these careers may be found at www.onetonline.org/crosswalk/ ***by searching for the career title or SOC number.***

For additional program information, visit devry.edu/ucpe.

Software Design & Solutions Certificate Program

DeVry's Software Design & Solutions undergraduate certificate program is designed to help students develop the knowledge and skills necessary to create software applications and guide software development projects. Students explore essential computer information systems concepts for software development ranging from utilization of object-oriented programming techniques to designing algorithms for efficient software execution. The ability to clearly define requirements and to deliver quality software projects is critical to an organization's strategic goals. To support these critical skills, the curriculum integrates test-driven development approaches and product life cycle management to ensure continuous attention to technical specification and user satisfaction.

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 utilized throughout the Internet of Things ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security.

Tech Core courses feature a customized Internet of Things bundle to complement course instruction and provide practical, hands on experience. The bundle is an ensemble of sensors, digital modules, network components and software tools to simulate Internet based applications and create an interactive student experience.

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

- Analyze users' needs and requirements to create software application specifications.
- Create a quality software design considering key factors such as functionality, usability, reliability, performance, and supportability.
- Propose a software product management plan that addresses all stages in the software development life cycle (SDLC).

Program Details
Credential: Undergraduate Certificate in Software Design and Solutions
Semesters: 4
Minimum credit hours required for certificate completion: 42
Normal time to complete: 1.5 years, assuming enrollment in 9–12 credit hours per semester and attending 3 semesters per year (see *Course Loads)*

Program Outline

Within each course area, courses are shown with their designators (i.e., COLL148), titles and credit hours. Students interested in alternate course options should contact their student support advisor to determine whether alternates are offered for any course listed below. Additional information is found in *Course Descriptions*.

Course Area	Minimum Credit Hours
Mathematics	**4**
• MATH114 Algebra for College Students (4)	
Tech Core	**9**
• CEIS101C Introduction to Technology and Information Systems (2)	
• CEIS106 Introduction to Operating Systems (4)	
• CEIS110 Introduction to Programming (3)	
Information Systems and Programming	**12**
• CEIS150 Programming with Objects (4)	
• CEIS209 Intermediate Programming (4)	
• CEIS236 Database Systems and Programming Fundamentals (4)	
Application Development	**3**
• CEIS295 Data Structures and Algorithms (3)	
Software Development	**12**
• CEIS200 Software Engineering I (3)	
• CEIS320 Introduction to Mobile Device Programming (3)	
• CEIS400 Software Engineering II (3)	
• CEIS420 Programming Languages and Advanced Techniques (3)	
Career Preparation	**2**
• CEIS299 Careers and Technology (1)	
• CEIS499 Preparation for the Profession (1)	

Note: All students should see General Notes *at the beginning of* Colleges & Programs of Study.

Employment positions determined to be in field, to calculate the graduate employment rates required by the state of California, for graduates of the Undergraduate Certificate program in Software Design & Solutions include: Software Developers (15-1252.00), Software Quality Assurance Analysts and Testers (15-1253.00), and Web Administrators (15-1299.01).Please note, both the 2010 and 2018 versions of the Standard Occupational Classification (SOC) are reflected. More information about these careers may be found at www.onetonline.org/crosswalk/ ***by searching for the career title or SOC number.***

For additional program information, visit devry.edu/ucsds.

Web & Mobile Application Development Certificate Program

DeVry's Web & Mobile Application Development undergraduate certificate program is designed to provide students with the comprehensive programming skills necessary to develop mobile device and web-based applications, which help organizations and individuals communicate, conduct business and access information. To develop comprehensive programming skills for the dynamic workforce, the curriculum provides a programming mindset by progressively developing skills in object-oriented programming before moving to coursework that focuses on interactive and responsive desktop and mobile application creation.

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 utilized throughout the Internet of Things ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security.

Tech Core courses feature a customized Internet of Things bundle to complement course instruction and provide practical, hands on experience. The bundle is an ensemble of sensors, digital modules, network components and software tools to simulate Internet based applications and create an interactive student experience.

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

- Design applications considering usability, accessibility, and cross-device compatibility.
- Select appropriate programming languages and software tools to develop applications that operate across multiple device platforms.
- Code, execute, and debug applications that are user-friendly, interactive and portable.

Program Details
Credential: Undergraduate Certificate in Web and Mobile Application Development
Semesters: 4
Minimum credit hours required for certificate completion: 43
Normal time to complete: 1.5 years, assuming enrollment in 9–13 credit hours per semester and attending 3 semesters per year (see *Course Loads)*

Program Outline

Within each course area, courses are shown with their designators (i.e., COLL148), titles and credit hours. Students interested in alternate course options should contact their student support advisor to determine whether alternates are offered for any course listed below. Additional information is found in *Course Descriptions*.

Course Area	Minimum Credit Hours
Mathematics	**4**

- MATH114 Algebra for College Students (4)

Tech Core	**9**

- CEIS101C Introduction to Technology and Information Systems (2)
- CEIS106 Introduction to Operating Systems (4)
- CEIS110 Introduction to Programming (3)

Information Systems and Programming	**12**

- CEIS150 Programming with Objects (4)
- CEIS209 Intermediate Programming (4)
- CEIS236 Database Systems and Programming Fundamentals (4)

Application Development	**4**

- CIS355A Business Application Programming with Lab (4)

Web and Mobile Application Development	**11**

- CEIS320 Introduction to Mobile Device Programming (3)
- CIS363B Web Interface Design with Lab (4)
- CIS407A Web Application Development with Lab (4)

Career Preparation	**3**

- CARD205 Career Development (2)
- CEIS299 Careers and Technology (1)

Note: All students should see General Notes *at the beginning of* Colleges & Programs of Study.

Employment positions determined to be in field, to calculate the graduate employment rates required by the state of California, for graduates of the Undergraduate Certificate program in Web & Mobile Application Development include: Software Developers (15-1252.00), Software Quality Assurance Analysts and Testers (15-1253.00) and Web Administrators (15-1299.01). Please note, both the 2010 and 2018 versions of the Standard Occupational Classification (SOC) are reflected. More information about these careers may be found at www.onetonline.org/crosswalk/ ***by searching for the career title or SOC number.***

For additional program information, visit devry.edu/ucwmd.

Computer Information Systems Bachelor's Degree Program

Computer Information Systems program graduates are prepared to successfully join the workforce as technical and management professionals in a variety of industries. CIS 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 will enable them to adapt to change in this dynamic field through a lifelong learning process.

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.

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 is why our programs are infused 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.

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 utilized throughout the Internet of Things ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security.

Tech Core courses feature a customized Internet of Things bundle to complement course instruction and provide practical, hands on experience. The bundle is an ensemble of sensors, digital modules, network components and software tools to simulate Internet based applications and create an interactive student experience. To support this experience, the university will provide students enrolled in this program with a laptop computer.

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:

- Successfully support maintenance, installation and testing of information technology, computing, and/or automated systems.
- Communicate and collaborate effectively with individuals and teams.
- Exercise critical and systemic thinking, as well as ethical responsibility in solving professional challenges.

- Remain abreast of developments in technology and society.

This degree program accomplishes these objectives by fostering the student outcomes listed below.

Student Outcomes
Student outcomes are the skills and abilities students are expected to demonstrate at graduation. The student outcomes for this program include:

- Analyze complex computing problems and apply principles of computing and other relevant disciplines to identify solutions.
- Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements.
- Communicate effectively in written, oral, and graphical forms in a variety of professional contexts.
- Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
- Function effectively as a member or leader of a team engaged in activities appropriate to information systems.
- Support the delivery, use, and management of systems within an information systems environment.

Program Details
Degree: Bachelor of Science in Computer Information Systems (in New York, Bachelor of Professional Studies in Computer Information Systems)
Semesters: 8 full time
Minimum credit hours required for graduation: 124[1]
Normal time to complete: 4 years, assuming enrollment in 15–16 credit hours per semester and attending 2 semesters per year; enrollment in 17–20 credit hours may be needed in some semesters (see *Course Loads*)

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 or academic advisor for more information.

Program Outline
Within each course area, courses are shown with their designators (i.e., COLL148), titles and credit hours. Students interested in alternate course options should contact their student support advisor to determine whether alternates are offered for any course listed below. Additional information is found in *Course Descriptions*.

[1] *127 for students enrolled at a Pennsylvania location.*

Course Area		Minimum Credit Hours
Communication Skills		**15**[2]
• ENGL112[3]	Composition (4)	
• ENGL135	Advanced Composition (4)	
• ENGL216	Technical Writing (4)	
Select one		
• SPCH275	Public Speaking (3)	
• SPCH276	Intercultural Communication (3)	
Humanities[4]		**6**[5]
• LAS432	Technology, Society, and Culture (3)	
Select one		
• ETHC232	Ethical and Legal Issues in the Professions (3)	
• ETHC334	Diversity, Equity and Inclusion in the Workplace (3)	
Social Sciences		**9**
• ECON312	Principles of Economics (3)	
• SOCS185	Culture and Society (3)	
Select one		
• SOCS325[6]	Environmental Sociology (3)	
• SOCS350	Cultural Diversity in the Professions (3)	
Mathematics and Natural Sciences		**12**
• MATH114	Algebra for College Students (4)	
• MATH221	Statistics for Decision-Making (4)	
• PHYS204	Applied Physics with Lab (4)	
Personal and Professional Development		**5**
• CARD405	Career Development (2)	
• COLL148	Critical Thinking and Problem-Solving (3)	
Tech Core		**21**
• CEIS101	Introduction to Technology and Information Systems (2)	
• CEIS106	Introduction to Operating Systems (4)	
• CEIS110	Introduction to Programming (3)	
• CEIS114	Introduction to Digital Devices (3)	
• NETW191	Fundamentals of Information Technology & Networking (3)	
• NETW211	Fundamentals of Cloud Computing (3)	

[2] *14 for students enrolled at a New Jersey location.*
[3] *Students enrolled at a New Jersey location take ENGL108 in lieu of this course.*
[4] *Students enrolled at a Pennsylvania location must take HUMN451 as part of this requirement.*
[5] *9 for students enrolled at a Pennsylvania location.*
[6] *Students enrolled at a Nevada location must take POLI332 in lieu of this requirement.*

- SEC285 Fundamentals of Information Security (3)

Information Systems and Programming **19**

- CEIS150 Programming with Objects (4)
- CEIS209 Intermediate Programming (4)
- CEIS236 Database Systems and Programming Fundamentals (4)
- CEIS312 Introduction to Artificial Intelligence and Machine Learning (3)
- CIS355A Business Application Programming with Lab (4)

Program Core – selection by track **Credit hours vary by selection**

Cyber Security and Software Programming students **13**
Information Technology and Networking

- NETW320 Converged Networks with Lab (3)
- SEC310 Principles and Theory of Security Management (4)
- SEC311 Ethical Hacking (3)
- SEC321 Network Security Testing with Lab (3)

All other students **12**
Application Development

- CIS363B Web Interface Design with Lab (4)
- CIS407A Web Application Development with Lab (4)
- WBG310 Interactive Web Page Scripting with Lab (4)

Career Preparation **9**

- CEIS299 Careers and Technology (1)
- CEIS499 Preparation for the Profession (1)
- MGMT404 Project Management (4)
- TECH460 Senior Project (3)

Track – one option is selected **Credit hours vary by track**

Computer Forensics **16**

- CCSI410 Digital Forensics I with Lab (4)
- CCSI460 Digital Forensics II with Lab (4)
- SEC310 Principles and Theory of Security Management (4)
- SEC440 Information Systems Security Planning and Audit (4)

Cyber Security Programming **15**

- NETW411 Information Security and Mobile Devices (4)
- SEC290 Fundamentals of Infrastructure Security (3)
- SEC380 Cloud Computing Security (4)
- SEC440 Information Systems Security Planning and Audit (4)

Database Management **16**

- BIAM410 Database Concepts in Business Intelligence (4)

- DBM438 Database Administration with Lab (4)
- DBM449 Advanced Topics in Database with Lab (4)
- SEC360 Data Privacy and Security (4)

Information Systems Security **16**

- SEC340 Business Continuity (4)
- SEC360 Data Privacy and Security (4)
- SEC380 Cloud Computing Security (4)
- SEC440 Information Systems Security Planning and Audit (4)

Software Programming **15**

- CEIS200 Software Engineering I (3)
- CEIS295 Data Structures and Algorithms (3)
- CEIS320 Introduction to Mobile Device Programming (3)
- CEIS400 Software Engineering II (3)
- CEIS420 Programming Languages and Advanced Techniques (3)

Web Development and Administration **16**

- SBE430 E-Commerce for Small Business (4)
- SEC380 Cloud Computing Security (4)
- WEB375 Web Architecture with Lab (4)
- WEB460 Advanced Web Application Development with Lab (4)

Web Game Programming **16**

- WBG340 Programming Multimedia for the Web with Lab (4)
- WBG370 Game Development with Lab (4)
- WBG410 Dynamic Website Development and Database Integration with Lab (4)
- WGD235 Web Animation (4)

Note: All students should see General Notes at the beginning of Colleges & Programs of Study.

Note: Students must take CEIS101 prior to taking any other technical courses in the Tech Core through all the technical course areas in the program, including Technology Career Preparation and the Track.

Note: Students enrolled at a New Jersey location must take an additional six semester-credit hours of general education coursework from among the following course areas: communication skills, humanities, social sciences, mathematics and natural sciences. Courses selected in humanities or social sciences should be upper-division coursework (DeVry courses numbered 300–499).

Note: Credits and degrees earned from this institution do not automatically qualify the holder to participate in professional certification or licensure exams. DeVry does not guarantee graduates will successfully pass such exams.

Note: This program includes Diversity, Equity and Inclusion (DE&I) courses. A complete list of DE&I courses is found in Diversity, Equity and Inclusion (DE&I) Coursework.

Employment positions determined to be in field, to calculate the graduate employment rates required by the state of California, for graduates of the Bachelor of Science in Computer Information Systems degree program include: Computer Programmer (15-1131.00) [2010] and Computer Programmers (15.1251.00) [2018]; Computer Systems Analyst (15-1121.00) [2010] and Computer Systems Analysts (15-1211.00) [2018]. Please note, both the 2010 and 2018 versions of the Standard Occupational Classification (SOC) are reflected. More information about these careers may be found at www.onetonline.org/crosswalk/ ***by searching for the career title or SOC number.***

For additional program information, visit devry.edu/bcis***.***

Software Development Bachelor's Degree Program

DeVry's bachelor's degree program in Software Development provides students with the techniques and tools necessary to systematically create software products used in many applications. Contemporary techniques and tools are applied to meet specified criteria. The knowledge of computing and mathematics appropriate to the development of software products is employed, as well as the professional, ethical, security, and social issues and responsibilities associated with the development and utilization of 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.

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 is why our programs are infused 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.

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 utilized throughout the Internet of Things ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security.

Tech Core courses feature a customized Internet of Things bundle to complement course instruction and provide practical, hands on experience. The bundle is an ensemble of sensors, digital modules, network components and software tools to simulate Internet based applications and create an interactive student experience. To support this experience, the university will provide students enrolled in this program with a laptop computer.

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:

- Support the successful practice of design, development and testing of software.
- Communicate and collaborate effectively with individuals or teams.
- Exercise critical and systemic thinking and ethical responsibility in finding solutions to professional challenges.
- Contribute to society through a chosen field.
- 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 Student outcomes for this program include:

- Analyze a complex computing problem and to apply principles of computing, software development fundamentals, and other relevant disciplines to identify solutions.
- Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements.
- Communicate effectively in written, oral, and graphical forms in a variety of professional contexts.
- Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
- Function effectively as a member or leader of a team engaged in activities appropriate to computing and software development.
- Support the delivery, use, and management of systems within a software development environment.

Program Details
Degree: Bachelor of Science in Software Development
Semesters: 8 full time
Minimum credit hours required for graduation: 120
Normal time to complete: 4 years, assuming enrollment in 15 credit hours per semester and attending 2 semesters per year; enrollment in 16-18 credit hours (9-10 credit hours per session) may be needed in some semesters (see *Course Loads*)

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 or academic advisor for more information.

Program Outline
Within each course area, courses are shown with their designators (i.e., COLL148), titles and credit hours. Students interested in alternate course options should contact their student support advisor to determine whether alternates are offered for any course listed below. Additional information is found in *Course Descriptions*.

Course Area	Minimum Credit Hours
Communication Skills	**15**

- ENGL112 Composition (4)
- ENGL135 Advanced Composition (4)
- ENGL216 Technical Writing (4)

Select one

- SPCH275 Public Speaking (3)
- SPCH276 Intercultural Communication (3)

Humanities	**6**

- LAS432 Technology, Society, and Culture (3)

Select one

- ETHC232 Ethical and Legal Issues in the Professions (3)
- ETHC334 Diversity, Equity and Inclusion in the Workplace (3)

Social Sciences **9**

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

Select one

- SOCS325 Environmental Sociology (3)
- SOCS350 Cultural Diversity in the Professions (3)

Mathematics and Natural Sciences **16**

- MATH114 Algebra for College Students (4)
- MATH221 Statistics for Decision-Making (4)
- MATH234 Discrete Math in Information Technology (4)
- PHYS204 Applied Physics with Lab (4)

Personal and Professional Development **5**

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

Tech Core **21**

- CEIS101 Introduction to Technology and Information Systems (2)
- CEIS106 Introduction to Operating Systems (4)
- CEIS110 Introduction to Programming (3)
- CEIS114 Introduction to Digital Devices (3)
- NETW191 Fundamentals of Information Technology & Networking (3)
- NETW211 Fundamentals of Cloud Computing (3)
- SEC285 Fundamentals of Information Security (3)

Information Systems and Programming **19**

- CEIS150 Programming with Objects (4)
- CEIS209 Intermediate Programming (4)
- CEIS236 Database Systems and Programming Fundamentals (4)
- CEIS295 Data Structures and Algorithms (3)
- CIS355A Business Application Programming with Lab (4)

Analysis and Design **9**

- BIAM110 Introduction to Business Analytics (3)
- CEIS310 Process Improvement with Machine Learning (3)
- CEIS312 Introduction to Artificial Intelligence and Machine Learning (3)

Career Preparation **9**

- CEIS299 Careers and Technology (1)

- CEIS499 Preparation for the Profession (1)
- MGMT404 Project Management (4)
- TECH460 Senior Project (3)

Track – one option is selected	**Credit hours vary by selection**
Big Data and Analytics	**13**
• BIAM300 Managerial Applications of Business Analytics (4) • CEIS340 Database Management (3) • CEIS480 Data Mining and Analytics (3) • CEIS485 Data Interpretation and Statistical Analysis (3)	
Software Design and Programming	**12**
• CEIS200 Software Engineering I (3) • CEIS320 Introduction to Mobile Device Programming (3) • CEIS400 Software Engineering II (3) • CEIS420 Programming Languages and Advanced Techniques (3)	
Web and Mobile Application Development	**11**
• CEIS320 Introduction to Mobile Device Programming (3) • CIS363B Web Interface Design with Lab (4) • CIS407A Web Application Development with Lab (4)	

Note: All students should see General Notes at the beginning of Colleges & Programs of Study.

Note: Credits and degrees earned from this institution do not automatically qualify the holder to participate in professional certification or licensure exams. DeVry does not guarantee graduates will successfully pass such exams.

Note: Students must take CEIS101 prior to taking any other technical courses in the Tech Core through all the technical course areas in the program, including Technology Career Preparation and the Track.

Note: This program includes Diversity, Equity and Inclusion (DE&I) courses. A complete list of DE&I courses is found in Diversity, Equity and Inclusion (DE&I) Coursework.

Employment positions determined to be in field, to calculate the graduate employment rates required by the state of California, for graduates of the Bachelor of Science in Software Development degree program include: Software developers, applications (15-1132.00); Software developers, systems software (15-1133.00); Computer occupations, all other (15-1199.00). More information about these careers may be found at www.onetonline.org/crosswalk/ ***by searching for the career title or SOC number.***

For comprehensive consumer information, visit devry.edu/bsd.

College of Media Arts & Technology

DeVry University's College of Media Arts & Technology offers degree programs focused on helping students build strong digital imaging skills, refine their design sensibilities and grasp diverse applications of artistic endeavors. Programs and courses – offered onsite and online days, evenings and weekends – 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.

The following pages provide detailed information on undergraduate programs offered through the College of Media Arts & Technology.

Media Arts & Technology Programs

Certificate

- Website Design
- Website Development

Bachelor's Degree

- Multimedia Design & Development

Website Design Certificate Program

DeVry's Website Design certificate program provides students with 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.

Graduates should also possess appropriate knowledge to work in a variety of areas and organizations, such as, advertising, marketing, technical communications, publishing and training. Website designers use HTML and web-based code using software applications to design, illustrate and produce visual solutions for communications, especially for the Internet.

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Note: Special requirements apply to those who wish to be admitted to the Website Design program (see Special Admission Requirements).

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

- Apply basic graphic and design principles to web media using application software.
- Create HTML and other web-based code to develop responsive, interactive and data-driven websites.
- Create and/or apply animations and other media used in the creation of websites.
- Apply creative and problem-solving skills to produce graphics and multimedia solutions for websites.

Program Details
Credential: Undergraduate Certificate in Website Design
Semesters: 3
Minimum credit hours required for certificate completion: 36
Normal time to complete: 1 year, assuming enrollment in 11–14 credit hours per semester and attending 3 semesters per year (see *Course Loads*)

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 or academic advisor for more information.

Program Outline
Within each course area, courses are shown with their designators (i.e., COLL148), titles and credit hours. Students interested in alternate course options should contact their student support advisor to determine whether alternates are offered for any course listed below. Additional information is found in *Course Descriptions*.

Course Area	Minimum Credit Hours
Web Graphic Design	**33**

- CIS363B Web Interface Design with Lab (4)
- 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)
- WGD260 Media Portfolio (3)

Graphic and Multimedia Design	**4**

- GMD311 Web Video Fundamentals with Lab (4)

Note: All students should see General Notes *at the beginning of* Colleges & Programs of Study.

Employment positions determined to be in field, to calculate the graduate employment rates required by the state of California, for graduates of the Undergraduate Certificate program in Website Design include: Graphic Designers (27-1024.00); Multimedia Artists and Animators (27-1014.00). Please note, both the 2010 and 2018 versions of the Standard Occupational Classification (SOC) are reflected. More information about these careers may be found at www.onetonline.org/crosswalk/ ***by searching for the career title or SOC number.***

For additional program information, visit devry.edu/ucwd.

Website Development Certificate Program

DeVry's Website Development certificate program provides students with knowledge, skills and abilities to develop responsive web pages, web graphics, web-based databases, code to enable website interactivity and accessible websites by applying a collaborative approach.

Graduates should also possess appropriate knowledge to work in a variety of areas and organizations, such as, social media, mobile app development, communications and web design, and development firms. Website developers author in HTML, JavaScript, CSS, PHP and other web code and use software applications to design, develop, compile code and produce interactive, responsive websites for clients.

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Note: Special requirements apply to those who wish to be admitted to the Website Development program (see Special Admission Requirements).

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

- Create code to develop responsive, interactive and data-driven websites as well as mobile web-based applications.
- Apply basic graphic and design principles to the integration of web media using application software.
- Develop interactive websites through the application of HTML, JavaScript, CSS, PHP and other web-based code.

Program Details
Credential: Undergraduate Certificate in Website Development
Semesters: 3
Minimum credit hours required for certificate completion: 38
Normal time to complete: 1.5 years, assuming enrollment in 8–12 credit hours per semester and attending 3 semesters per year (see *Course Loads*)

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 or academic advisor for more information.

Program Outline
Within each course area, courses are shown with their designators (i.e., COLL148), titles and credit hours. Students interested in alternate course options should contact their student support advisor to determine whether alternates are offered for any course listed below. Additional information is found in *Course Descriptions*.

Course Area	Minimum Credit Hours
Web Graphic Design	**19**

- 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**

- CEIS236 Database Systems and Programming Fundamentals (4)
- WBG310 Interactive Web Page Scripting with Lab (4)
- WBG340 Programming Multimedia for the Web with Lab (4)
- WBG410 Dynamic Website Development and Database Integration with Lab (4)
- WDD420 Web Accessibility with Lab (4)

Note: All students should see General Notes *at the beginning of* Colleges & Programs of Study.

Employment positions determined to be in field, to calculate the graduate employment rates required by the state of California, for graduates of the Undergraduate Certificate program in Website Development include: Web Developers (15-1134.00) [2010] and Web Developers (15-1254.00) [2018]. Please note, both the 2010 and 2018 versions of the Standard Occupational Classification (SOC) are reflected. More information about these careers may be found at www.onetonline.org/crosswalk/ ***by searching for the career title or SOC number.***

For additional program information, visit devry.edu/ucwdd.

Multimedia Design & Development Bachelor's Degree Program

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.

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

- Apply industry standards to multimedia projects that meet client requirements.
- Demonstrate technical proficiency in multimedia design and development.
- Effectively coordinate and manage multimedia projects.
- Communicate effectively both orally and in writing.
- Participate effectively in project team environments.

DeVry accomplishes these goals by:

- Incorporating activities and labs to provide the appropriate level of applications experience.
- Integrating general competencies such as applied research, written and oral communications, critical thinking, problem-solving, and team skills in technical and nontechnical courses.

Program Details
Degree: Bachelor of Science in Multimedia Design and Development
Semesters: 8 full time
Minimum credit hours required for graduation: 122[1]
Normal time to complete: 4 years, assuming enrollment in 15–16 credit hours per semester and attending 2 semesters per year; enrollment in 17–20 credit hours may be needed in some semesters (see *Course Loads*)

[1] *125 for students enrolled at a Pennsylvania location.*

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 or academic advisor for more information.

Program Outline
Within each course area, courses are shown with their designators (i.e., COLL148), titles and credit hours. Students interested in alternate course options should contact their student support advisor to determine whether alternates are offered for any course listed below. Additional information is found in *Course Descriptions*.

Course Area	Minimum Credit Hours
Communication Skills	**15[2]**
• ENGL112[3] Composition (4)	
• ENGL135 Advanced Composition (4)	
• ENGL216 Technical Writing (4)	
Select one	
• SPCH275 Public Speaking (3)	
• SPCH276 Intercultural Communication (3)	
Humanities[4]	**9[5]**
• LAS432 Technology, Society, and Culture (3)	
Select one	
• ETHC334 Diversity, Equity and Inclusion in the Workplace (3)	
• ETHC445 Principles of Ethics (3)	
Select one	
• HUMN303 Introduction to the Humanities (3)	
• HUMN304 Multi-Ethnic Humanities (3)	
Social Sciences	**9**
• ECON312[6] Principles of Economics (3)	
• SOCS185 Culture and Society (3)	
Select one	
• SOCS325 Environmental Sociology (3)	
• SOCS350 Cultural Diversity in the Professions (3)	

[2] *14 for students enrolled at a New Jersey location.*
[3] *Students enrolled at a New Jersey location take ENGL108 in lieu of this course.*
[4] *Students enrolled at a Pennsylvania location must take HUMN451 as part of this requirement.*
[5] *12 for students enrolled at a Pennsylvania location.*
[6] *Students enrolled at a Nevada location must take POLI332 in lieu of this requirement.*

Mathematics and Natural Sciences **12**[7]

- MATH114 Algebra for College Students (4)
- MATH221 Statistics for Decision-Making (4)
- SCI228[8] Nutrition, Health and Wellness with Lab (4)

Personal and Professional Development **5**

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

Business and Computing **5**

- BUSN115 Introduction to Business and Technology (3)
- COMP100 Computer Applications for Business with Lab (2)

Multimedia Core **38**

- CIS363B Web Interface Design with Lab (4)
- MDD310 Multimedia Standards (4)
- MDD340 Business of Graphics (4)
- 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)

Career Preparation **10**

- MGMT404 Project Management (4)
- TECH460 Senior Project (3)
- WGD260 Media Portfolio (3)

Track – one of the following is selected **20**

Graphic and Multimedia Design

- GMD311 Web Video Fundamentals with Lab (4)
- GMD341 Advanced Imaging with Lab (4)
- GMD371 Advanced Illustration with Lab (4)
- GMD451 Animation with Lab (4)
- WBG340 Programming Multimedia for the Web with Lab (4)

Web Design and Development

- CEIS236 Database Systems and Programing Fundamentals (4)
- WBG310 Interactive Web Page Scripting with Lab (4)
- WBG340 Programming Multimedia for the Web with Lab (4)

[7] *11 for students enrolled at a New Jersey location.*
[8] *Students enrolled at a New Jersey location may take SCI200 to fulfill this requirement.*

- WBG410 Dynamic Website Development and Database Integration with Lab (4)
- WDD420 Web Accessibility with Lab (4)

Note: All students should see General Notes *at the beginning of* Colleges & Programs of Study.

Note: Students enrolled at a New Jersey location must take an additional six semester-credit hours of general education coursework from among the following course areas: communication skills, humanities, social sciences, mathematics and natural sciences. Courses selected in humanities or social sciences should be upper-division coursework (DeVry courses numbered 300–499).

Note: This program includes Diversity, Equity and Inclusion (DE&I) courses. A complete list of DE&I courses is found in Diversity, Equity and Inclusion (DE&I) Coursework.

Employment positions determined to be in field, to calculate the graduate employment rates required by the state of California, 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). Please note, both the 2010 and 2018 versions of the Standard Occupational Classification (SOC) are reflected. More information about these careers may be found at www.onetonline.org/crosswalk/ ***by searching for the career title or SOC number.***

For additional program information, visit devry.edu/bmdd.

College of Health Sciences

DeVry University's College of Health Sciences offers degree and certificate 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.

The following pages provide details on programs offered in the College of Health Sciences.

Health Sciences Programs

Certificate
- Medical Billing & Coding
- Medical Billing & Coding – Health Information Coding

Associate Degree
- Health Information Technology

Bachelor's Degree
- Healthcare Administration

Medical Billing & Coding Certificate Program
and
Medical Billing & Coding – Health Information Coding Certificate Program

DeVry's Medical Billing & Coding undergraduate certificate program provides students with the 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 the health coding world get started. For those who have previous coursework or experience, our MBC – HIC certificate can help them prepare for more advanced entry-level positions.

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

- Demonstrate understanding of inpatient and outpatient coding guidelines.
- Apply knowledge of health records and data content.
- Explain reimbursement processes and methodologies.
- Relate compliance topics to coding functions.
- Describe various information technologies used to perform coding functions.
- Recognize, and be sensitive to, issues of confidentiality and privacy.

Notes:
Special requirements apply to those who wish to be admitted to the MBC program (see Special Admission Requirements).

Students who complete the Medical Billing & Coding certificate and who are later admitted to the Medical Billing & Coding – Health Information Coding certificate option may not be eligible for financial assistance. Students should contact their student support advisor or academic advisor for more information.

Those who earn a Medical Billing & Coding certificate or a Medical Billing & Coding – Health Information Coding certificate can apply credits earned toward an associate degree in Health Information Technology or a bachelor's degree in Technical Management.

The Medical Billing & Coding certificate program includes material addressed in the Certified Coding Associate (CCA) and Certified Professional Coder (CPC) certification exams. Detailed information on qualifications for the exams is available at www.ahima.org/certification/CCA *and* www.aapc.com/certification/cpc*.*

The Medical Billing & Coding – Health Information Coding certificate program includes material addressed in the Certified Coding Specialist (CCS) certification exam. Detailed information on qualifications for the exam is available at www.ahima.org/certification/CCS*.*

Medical Billing & Coding Program

Program Details
Credential: Undergraduate Certificate in Medical Billing and Coding
Semesters: 3
Minimum credit hours required for certificate completion: 34
Normal time to complete: 1 year, assuming enrollment in 11-12 credit hours per semester and attending 3 semesters per year (see *Course Loads*)

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 or academic advisor for more information.

Program Outline
Within each course area, courses are shown with their designators (i.e., COLL148), titles and credit hours. Students interested in alternate course options should contact their student support advisor to determine whether alternates are offered for any course listed below. Additional information is found in *Course Descriptions*.

Course Area	Minimum Credit Hours
Natural Sciences	**8**
• BIOS105 Fundamentals of Human Anatomy and Physiology with Lab (4)	
• BIOS267 Pathopharmacology (4)	
Health Information Technology	**26**
• HIT111 Basic Medical Terminology (3)	
• HIT120 Introduction to Health Services and Information Systems (4)	
• HIT141 Health Information Processes with Lab (4)	
• HIT203 International Classification of Diseases Coding I with Lab (3)	
• HIT205 International Classification of Diseases Coding II with Lab (3)	
• HIT211 Current Procedural Terminology Coding with Lab (4)	
• HIT230 Health Insurance and Reimbursement (3)	
• HIT252 Coding Practicum and Review (2)	

Medical Billing & Coding Program – Health Information Coding

Program Details

Credential: Undergraduate Certificate in Medical Billing and Coding – Health Information Coding
Semesters: 3
Minimum credit hours required for certificate completion: 42
Normal time to complete: 1.5 years, assuming enrollment in 10-12 credit hours per semester and attending 3 semesters per year (see *Course Loads*)

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 or academic advisor for more information.

Program Outline

Within each course area, courses are shown with their designators (i.e., COLL148), titles and credit hours. Students interested in alternate course options should contact their student support advisor to determine whether alternates are offered for any course listed below. Additional information is found in *Course Descriptions*.

Course Area	Minimum Credit Hours
Natural Sciences	**8**
• BIOS105 Fundamentals of Human Anatomy and Physiology with Lab (4)	
• BIOS267 Pathopharmacology (4)	
Health Information Technology	**34**
• HIT111 Basic Medical Terminology (3)	
• HIT120 Introduction to Health Services and Information Systems (4)	
• HIT141 Health Information Processes with Lab (4)	
• HIT203 International Classification of Diseases Coding I with Lab (3)	
• HIT205 International Classification of Diseases Coding II with Lab (3)	
• HIT211 Current Procedural Terminology Coding with Lab (4)	
• HIT213 Current Procedural Terminology Coding II with Lab (3)	
• HIT220 Legal and Regulatory Issues in Health Information (2)	
• HIT230 Health Insurance and Reimbursement (3)	
• HIT260 Coding Practicum with Lab (3)	
• HIT261 CCS Review (2)	

Note: All students should see General Notes *at the beginning of* Colleges & Programs of Study.

Employment positions determined to be in field, to calculate the graduate employment rates required by the state of California, for graduates of the Undergraduate Certificate programs in Medical Billing & Coding and Medical Billing & Coding – Health Information Technology include: Medical Records and Health Information Technicians (29-2071.00)[2010] and Health Information Technologists and Medical Registrars (29-9021.00)[2018]. Please note, both the 2010 and 2018 versions of the Standard Occupational Classification (SOC) are reflected. More information about these careers

may be found at www.onetonline.org/crosswalk/ ***by searching for the career title or SOC number.***

For additional program information, visit devry.edu/ucmbc.

Health Information Technology Associate Degree Program

DeVry's Health Information Technology 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 a variety of settings such as hospitals, long-term-care facilities, insurance and managed care organizations, government agencies and vendor firms.

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Note: To complete their program, HIT students must meet requirements outlined in Healthcare Practicum and Clinical Coursework Requirements *and in* Healthcare Site Requirements*.*

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

- Evaluate healthcare data to apply diagnosis and procedure codes, ensure integrity of healthcare documentation, validate secondary data sources, and ensure compliance with standards.
- Understand and apply legal concepts to protect the confidentiality, privacy, and security of protected health information.
- Support healthcare data utilization, health information management functions, research, and health information exchange through the use of information systems and data analytics.
- Explain and apply reimbursement processes, methodologies, and revenue cycle.
- Analyze and apply legal and regulatory requirements to ensure organizational compliance.
- Understand and apply organizational leadership, change management and process improvement.

DeVry accomplishes these goals by:

- 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.
- Incorporating professional practice activities and labs to provide the appropriate level of applications experience.
- Integrating general learning in sciences and computers to support achievement of competencies.

Note: Those who have earned an associate degree in Health Information Technology (HIT) through DeVry University can apply coursework in the HIT program toward the bachelor's degree in Technical Management.

Program Details
Degree: Associate of Applied Science in Health Information Technology
Semesters: 4 full time
Minimum credit hours required for graduation: 67
Normal time to complete: 2 years, assuming enrollment in 15–16 credit hours per semester and attending 2 semesters per year; enrollment in 17–20 credit hours may be needed in some semesters (see *Course Loads*)

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 or academic advisor for more information.

Additional information is available in *Programmatic Accreditation and Recognition*.

Program Outline
Within each course area, courses are shown with their designators (i.e., COLL148), titles and credit hours. Students interested in alternate course options should contact their student support advisor to determine whether alternates are offered for any course listed below. Additional information is found in *Course Descriptions*.

Course Area	Minimum Credit Hours
Communication Skills	**4**
• ENGL112 Composition (4)	
Humanities	**3**
Select one	
• ETHC232 Ethical and Legal Issues in the Professions (3)	
• ETHC334 Diversity, Equity and Inclusion in the Workplace (3)	
Social Sciences	**3**
• SOCS185 Culture and Society (3)	
Mathematics and Natural Sciences	**12**
• BIOS105 Fundamentals of Human Anatomy and Physiology with Lab (4)	
• BIOS267 Pathopharmacology (4)	
• MATH114 Algebra for College Students (4)	
Personal and Professional Development	**5**
• CARD205 Career Development (2)	
• COLL148 Critical Thinking and Problem-Solving (3)	
Computer Applications	**5**
• BIS155 Data Analysis with Spreadsheets with Lab (3)	

- COMP100 Computer Applications for Business with Lab (2)

Health Information Technology **35**

- HIT111 Basic Medical Terminology (3)
- HIT120 Introduction to Health Services and Information Systems (4)
- HIT141 Health Information Processes with Lab (4)
- HIT170 Health Information Fundamentals Practicum (2)
- HIT203 International Classification of Diseases Coding I with Lab (3)
- HIT205 International Classification of Diseases Coding II with Lab (3)
- HIT211 Current Procedural Terminology Coding with Lab (4)
- HIT220 Legal and Regulatory Issues in Health Information (2)
- HIT226 Data Applications and Healthcare Quality with Lab (3)
- HIT230 Health Insurance and Reimbursement (3)
- HIT272[1] Health Information Practicum Capstone (3)
- HIT274 RHIT Certification Exam Preparation (1)

Note: All students should see General Notes *at the beginning of* Colleges & Programs of Study.

Note: This program includes Diversity, Equity and Inclusion (DE&I) courses. A complete list of DE&I courses is found in Diversity, Equity and Inclusion (DE&I) Coursework.

Employment positions determined to be in field, to calculate the graduate employment rates required by the state of California, for graduates of the Associate of Applied Science in Health Information Technology (in New Jersey and Pennsylvania, Associate in Applied Science in Health Information Technology) degree program include: Medical Records and Health Information Technicians (29-2071.00) [2010] and Health Information Technologists and Medical Registrars (29-9021.00) [2018]. Please note, both the 2010 and 2018 versions of the Standard Occupational Classification (SOC) are reflected. More information about these careers may be found at www.onetonline.org/crosswalk/ ***by searching for the career title or SOC number.***

For additional program information, visit devry.edu/ahit.

[1] *For all students, this 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.*

Healthcare Administration Bachelor's Degree Program

The 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 educational foundation on which to begin their healthcare careers.

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 is why our programs are infused 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.

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

- Analyze, design and implement practical approaches to solve and prevent business problems in healthcare settings.
- Sustain a working understanding of evolving issues in the healthcare industry.
- Collaborate with others to deliver professional healthcare services in diverse work environments.
- Apply project management and business analysis principles.
- Communicate effectively both orally and in writing.

Program Details
Degree: Bachelor of Science in Healthcare Administration
Semesters: 8 full time
Minimum credit hours required for graduation: 126
Normal time to complete: 4 years, assuming enrollment in 15–16 credit hours per semester and attending 2 semesters per year; enrollment in 17–20 credit hours may be needed in some semesters (see *Course Loads*)

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 or academic advisor for more information.

Program Outline
Within each course area, courses are shown with their designators (i.e., COLL148), titles and credit hours. Students interested in alternate course options should contact their student support advisor to determine whether alternates are offered for any course listed below. Additional information is found in *Course Descriptions*.

Course Area	Minimum Credit Hours
Communication Skills	**15**

- ENGL112 Composition (4)
- ENGL135 Advanced Composition (4)
- ENGL216 Technical Writing (4)

Select one

- SPCH275 Public Speaking (3)
- SPCH276 Intercultural Communication (3)

Humanities **9**

- LAS432 Technology, Society, and Culture (3)
- Select one
- ETHC334 Diversity, Equity and Inclusion in the Workplace (3)
- ETHC445 Principles of Ethics (3)

Select one

- HUMN303 Introduction to the Humanities (3)
- HUMN304 Multi-Ethnic Humanities (3)

Social Sciences **9**

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

Select one

- SOCS325 Environmental Sociology (3)
- SOCS350 Cultural Diversity in the Professions (3)

Mathematics and Natural Sciences **12**

- MATH114 Algebra for College Students (4)
- MATH221 Statistics for Decision-Making (4)
- SCI228 Nutrition, Health and Wellness with Lab (4)

Personal and Professional Development **5**

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

Business and Technology **34**

- ACCT212 Financial Accounting (4)
- ACCT346 Managerial Accounting (4)
- BIS155 Data Analysis with Spreadsheets with Lab (3)
- BIS245 Database Essentials for Business with Lab (4)

- BUSN115 Introduction to Business and Technology (3)
- BUSN278 Budgeting and Forecasting (4)
- BUSN350 Business Analysis (3)
- COMP100 Computer Applications for Business with Lab (2)
- MGMT303 Principles of Management (3)
- MGMT404 Project Management (4)

Health Services **24**

- 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)

Senior Project **3**

- BUSN460 Senior Project (3)

Healthcare Management Track **16**

- BUSN319 Marketing (3)
- HIM335 Health Information Systems and Networks with Lab (3)
- HIM370 Healthcare Data Security and Privacy (3)
- HIM410 Health Information Financial Management (3)
- MGMT410 Human Resource Management (4)

Note: All students should see General Notes *at the beginning of* Colleges & Programs of Study.

Note: 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 (i.e., 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).

Note: This program includes Diversity, Equity and Inclusion (DE&I) courses. A complete list of DE&I courses is found in Diversity, Equity and Inclusion (DE&I) Coursework.

Employment positions determined to be in field, to calculate the graduate employment rates required by the state of California, for graduates of the Bachelor of Science in Healthcare Administration degree program include: Administrative Services Managers (11-3011.00); Medical and Health Services Managers (11-9111.00). Please note, both the 2010 and 2018 versions of the Standard Occupational Classification (SOC) are reflected. More information about these careers may be found at www.onetonline.org/crosswalk/ ***by searching for the career title or SOC number.***

For additional program information, visit devry.edu/bha.

College of Liberal Arts & Sciences

DeVry University's College of Liberal Arts & Sciences offers degree programs focused on helping students learn to think critically and creatively, while providing focused yet flexible perspectives on the arts, social sciences and humanities, and building effective communication skills for diverse professional environments. Programs and courses – are developed with input from academic and industry leaders, are taught by faculty with relevant professional experience, and provide an enriching education through experiential learning, technologies and case studies.

The following pages provide detailed information on undergraduate programs offered through the College of Liberal Arts & Sciences.

Liberal Arts & Sciences Programs

Bachelor's Degree

- Communications
- Justice Administration

Communications Bachelor's Degree Program

Students in DeVry's Communications program develop a robust set of applied skills that can transfer to a broad range of career opportunities. Graduates gain the flexibility to enter and advance in diverse roles – such as administration, communications and consulting – in public or private sector industries including manufacturing, professional services and other areas.

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

- Apply a variety of perspectives in analyzing a problem.
- Deal effectively with diverse, multicultural and multifunctional audiences.
- Work effectively in team and collaborative environments.
- Apply critical and analytical thinking to solve complex problems.
- Communicate effectively both orally and in writing.
- Demonstrate competency in an area of specialization.

Program Details
Degree: Bachelor of Science in Communications
Semesters: 8 full time
Minimum credit hours required for graduation: 122[1]
Normal time to complete: 4 years, assuming enrollment in 15–16 credit hours per semester and attending 2 semesters per year; enrollment in 17–20 credit hours may be needed in some semesters (see *Course Loads*).

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 or academic advisor for more information.

Program Outline
Within each course area, courses are shown with their designators (i.e., COLL148), titles and credit hours. Students interested in alternate course options should contact their student support advisor to determine whether alternates are offered for any course listed below. Additional information is found in *Course Descriptions*.

Course Area	Minimum Credit Hours
Communication Skills	**15**

- ENGL112 Composition (4)
- ENGL135 Advanced Composition (4)
- ENGL216 Technical Writing (4)

Select one

- SPCH275 Public Speaking (3)
- SPCH276 Intercultural Communication (3)

[1] *125 for students enrolled at a Pennsylvania location.*

Humanities[2]	**12**[3]

- HIST405 United States History (3)
- LAS432 Technology, Society, and Culture (3)

Select one

- ETHC334 Diversity, Equity and Inclusion in the Workplace (3)
- ETHC445 Principles of Ethics (3)

Select one

- HUMN303 Introduction to the Humanities (3)
- HUMN304 Multi-Ethnic Humanities (3)

Social Sciences	**15**

- LAWS310 The Legal Environment (3)
- POLI330[4] Political Science (3)
- PSYC305 Motivation and Leadership (3)
- SOCS185 Culture and Society (3)
- SOCS325 Environmental Sociology (3)

Mathematics and Natural Sciences	**20**

- BIOS105 Fundamentals of Human Anatomy and Physiology with Lab (4)
- MATH114 Algebra for College Students (4)
- MATH221 Statistics for Decision-Making (4)
- SCI214 Integrated Science with Lab (4)
- SCI228 Nutrition, Health and Wellness with Lab (4)

Personal and Professional Development	**5**

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

Applied Technologies	**6**

- BIS155 Data Analysis with Spreadsheets with Lab (3)
- BIAM110 Introduction to Business Analytics (3)

Business	**19**

- BIS245 Database Essentials for Business with Lab (4)
- BUSN115 Introduction to Business and Technology (3)
- BUSN319 Marketing (3)
- COMP100 Computer Applications for Business with Lab (2)
- ECON312 Principles of Economics (3)
- MGMT404 Project Management (4)

Business Communications Concentration	**28**

- BUSN412 Business Policy (4)

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[2] *Students enrolled at a Pennsylvania location must take HUMN451 as part of this requirement.*
[3] *15 for students enrolled at a Pennsylvania location.*
[4] *Students enrolled at a Nevada location must take POLI332 in lieu of this course.*

- MGMT303 Principles of Management (3)
- MGMT330 Business Communication (4)
- PSYC315 Social Psychology (3)
- SOCS335 Workplace Culture and Communication (3)
- SOCS350 Cultural Diversity in the Professions (3)
- TC220 Rhetorical Strategies for Technical Communication (4)
- TC420 Marketing and Corporate Communications (4)

Senior Project **4**

- COMM491 Senior Project I (2)
- COMM492 Senior Project II (2)

Note: All students should see General Notes *at the beginning of* Colleges & Programs of Study.

Note: This program includes Diversity, Equity and Inclusion (DE&I) courses. A complete list of DE&I courses is found in Diversity, Equity and Inclusion (DE&I) Coursework.

Employment positions determined to be in field, to calculate the graduate employment rates required by the state of California, for graduates of the Bachelor of Science in Communications include: Editors (27-3041.00); Public Relations Specialists (27-3031.00); Copy Writers (27-3043.04); Poets, Lyricists, and Creative Writers (27-3043.05). Please note, both the 2010 and 2018 versions of the Standard Occupational Classification (SOC) are reflected. More information about these careers may be found at www.onetonline.org/crosswalk/ ***by searching for the career title or SOC number.***

For additional program information, visit devry.edu/bc.

Justice Administration Bachelor's Degree Program

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.

Note: 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.

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

- Analyze issues confronting criminal justice systems and recommend policies, procedures and/or practices to address them.
- Apply ethical, legal and regulatory principles in evaluating policies and procedures and in determining a course of action in the practice of criminal justice.
- Demonstrate the ability to work with diverse professional/peer, offender, and community populations.
- Communicate effectively both orally and in writing.
- Apply information literacy and problem-solving skills that support lifelong personal and professional development.

Program Details
Degree: Bachelor of Science in Justice Administration
Semesters: 8 full time
Minimum credit hours required for graduation: 122
Normal time to complete: 4 years, assuming enrollment in 15–16 credit hours per semester and attending 2 semesters per year; enrollment in 17–20 credit hours may be needed in some semesters (see *Course Loads*)

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 or academic advisor for more information.

Program Outline
Within each course area, courses are shown with their designators (i.e., COLL148), titles and credit hours. Students interested in alternate course options should contact their student support advisor to determine whether alternates are offered for any course listed below. Additional information is found in *Course Descriptions*.

Course Area	Minimum Credit Hours
Communication Skills	**15**
• ENGL112 Composition (4)	
• ENGL135 Advanced Composition (4)	
• ENGL216 Technical Writing (4)	
Select one	
• SPCH275 Public Speaking (3)	
• SPCH276 Intercultural Communication (3)	
Humanities	**9**
• LAS432 Technology, Society, and Culture (3)	
Select one	
• ETHC334 Diversity, Equity and Inclusion in the Workplace (3)	
• ETHC445 Principles of Ethics (3)	
Select one	
• HUMN303 Introduction to the Humanities (3)	
• HUMN304 Multi-Ethnic Humanities (3)	
Social Sciences	**9**
• POLI330[1] Political Science (3)	
• SOCS185 Culture and Society (3)	
Select one	
• SOCS325 Environmental Sociology (3)	
• SOCS350 Cultural Diversity in the Professions (3)	
Mathematics and Natural Sciences	**12**
• MATH114 Algebra for College Students (4)	
• MATH221 Statistics for Decision-Making (4)	
• SCI228 Nutrition, Health and Wellness with Lab (4)	
Personal and Professional Development	**5**
• CARD405 Career Development (2)	
• COLL148 Critical Thinking and Problem-Solving (3)	
Business	**4**
• MGMT404 Project Management (4)	
Computing	**2**
• COMP100 Computer Applications for Business with Lab (2)	

[1] *Students enrolled at a Nevada location take POLI332.*

Justice Administration Foundation **48**

- 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)
- CRMJ425 Ethics and Criminal Justice (3)
- JADM200 Introduction to Criminal Law (3)
- JADM240 Introduction to the Criminal Courts (3)
- JADM250 Police Report Writing (3)
- JADM270 Correctional Counseling (3)
- JADM300 Multiculturalism in Criminal Justice Systems (3)
- JADM310 Drugs and Society (3)
- JADM330 Victimology (3)
- JADM340 Criminal Evidence (3)
- JADM350 Research Methods in Criminal Justice (3)

Senior Project **4**

- JADM490 Senior Project I (2)
- JADM494 Senior Project II (2)

Track – one of the following is selected **15**

Digital Forensics

- CCSI410 Digital Forensics I with Lab (4)
- CCSI460 Digital Forensics II with Lab (4)
- JADM403 Cybercrime (3)
- SEC310 Principles and Theory of Security Management (4)

Homeland Security Studies

- CRMJ450 Terrorism Investigation (3)
- JADM455 Emergency Management (3)
- JADM480 Homeland Security and Terrorism (3)
- JADM485 Security Intelligence Analysis (3)
- POLI457 International Relations (3)

Policing

- CRMJ420 Criminal Investigation (3)
- CRMJ450 Terrorism Investigation (3)
- JADM400 Interviewing and Interrogation (3)
- JADM403 Cybercrime (3)
- JADM413 Police Administration (3)

Note: All students should see General Notes *at the beginning of* Colleges & Programs of Study.

Note: This program includes Diversity, Equity and Inclusion (DE&I) courses. A complete list of DE&I courses is found in Diversity, Equity and Inclusion (DE&I) Coursework.

Employment positions determined to be in field, to calculate the graduate employment rates required by the state of California, for graduates of the Bachelor of Science in Justice Administration degree program include: Correctional Officers and Jailers (33-3012.00); First-Line Supervisors of Police and Detectives (33-1012.00). Please note, both the 2010 and 2018 versions of the Standard Occupational Classification (SOC) are reflected. More information about these careers may be found at www.onetonline.org/crosswalk/ ***by searching for the career title or SOC number.***

For additional program information, visit devry.edu/bja.

Programs No Longer Accepting New Applicants

The following section is for currently enrolled students in programs that are no longer accepting new applicants.

As necessary, the program outcomes/objectives, coursework and graduation requirements are adjusted to ensure that students can successfully complete the programs.

The following programs last admitted students in the November 2019 session or earlier.

College of Engineering & Information Sciences

Bachelor's Degree

- Biomedical Engineering Technology
- Computer Engineering Technology
- Electronics Engineering Technology

The following programs last admitted students in the May 2021 session or earlier.

College of Engineering & Information Sciences

Associate Degree

- Electronics & Computer Technology

Bachelor's Degree

- Engineering Technology – Computers
- Engineering Technology – Electronics

For Programs No Longer Accepting New Applicants, DeVry University Undergraduate Tuition, Fees and Expenses

For programs no longer accepting new applicants, tuition rates shown are applicable to matriculating students enrolling in sessions beginning September 2021 through May 2022. Within each session, matriculated students are charged at the per-credit-hour tuition rate of $514 for degree and certificate programs as shown below. Nonmatriculated students are also charged $514 per credit hour. Information on tuition rates for military students is contained in the Tuition section of the University's undergraduate academic catalog.

Program[1]	Minimum Credit Hours	Tuition Per Credit Hour[2]	Total Tuition	Fees[3]	Textbook and Equipment Expense[4]	Total Program Cost[5]
Bachelor's Degree Programs						
Biomedical Engineering Technology	139	$609	$84,651	$3,820	$3,150	$91,651
Computer Engineering Technology	139	$514	$71,446	$3,820	$3,150	$78,446
Electronics Engineering Technology	139	$514	$71,446	$3,820	$3,150	$78,446
Engineering Technology - Computers	139	$514	$71,446	$3,820	$3,150	$78,446
Engineering Technology - Electronics	139	$514	$71,446	$3,820	$3,150	$78,446
Associate Degree Programs						
Electronics & Computer Technology	71	$514	$36,494	$2,300	$1,750	$40,574

[1] Program availability varies by location.
[2] Non-TechPath and Fixed Tuition Promise students who enrolled prior to May 2020 follow the tuition rate of their catalog of enrollment.
[3] Fees include a course resource fee averaging $150 per session, a one-time per enrollment $400 learning management system access fee and a non-refundable student services charge of $40 per session.
[4] Average estimated per-session textbook and equipment expenses for full-time students are: AECT, BECT, BEET, BET-E, BET-C, BMET = $175
[5] For matriculating students at current tuition rates, credit hours shown and full-time attendance; includes a $30 application fee; non-refundable student services charge, learning management system access fee, average estimated course resource fee, and average estimated textbook and equipment expense.

Biomedical Engineering Technology Bachelor's Degree Program

Note: This program is no longer accepting new applicants.

By providing a firm foundation in biological sciences as well as core competencies required of electronics engineering technologists, DeVry's Biomedical Engineering Technology program prepares graduates to enter the workforce as technical professionals with competencies in bioengineering processes and tools. BMET graduates play essential roles on the biomedical team, typically ranging from developing and maintaining healthcare equipment to designing and implementing hardware and software solutions to biological or medical problems. The curriculum is applications-oriented in the areas of physiological bioinstrumentation and informatics, providing knowledge and skills graduates need to function effectively in multidisciplinary teams, adapt to changes in technical environments throughout their careers and progress in their professional responsibilities.

Notes:

- *To complete their program, BMET students must meet requirements outlined in* Electronics and Engineering Technology – General Course Requirements *and may also have to satisfy requirements outlined in* Healthcare Site Requirements*.*
- *Coursework may be taken onsite and online, as available, to fulfil graduation requirements.*

Program Educational Objectives

Program educational objectives are the skills and abilities graduates are expected to demonstrate during the first few years of employment. BMET program educational objectives include:

- Finding employment in a biomedical-technology-related position with appropriate title and compensation.
- Achieving a successful professional career.
- Adapting to change through continuous personal and professional development.

Student Outcomes

Student outcomes are the skills and abilities students are expected to demonstrate at graduation. Student outcomes for the BMET program include:

- An ability to select and apply the knowledge, techniques, skills, and modern tools of their disciplines to broadly defined engineering technology activities.
- An ability to select and apply a knowledge of mathematics, science, engineering, and technology to engineering technology problems that require the application of principles and applied procedures and methodologies.
- An ability to conduct standard tests and measurements; to conduct, analyze, and interpret experiments; and to apply experimental results to improve processes.
- An ability to design systems, components, or processes for broadly defined engineering technology problems appropriate to program educational objectives.
- An ability to function effectively as a member or leader on a technical team.
- An ability to identify, analyze, and solve broadly defined engineering technology problems.
- An ability to communicate effectively regarding broadly defined engineering technology activities.
- An understanding of the need for and an ability to engage in self-directed continuing professional development.

- An understanding of and a commitment to address professional and ethical responsibilities including a respect for diversity.
- A knowledge of the impact of engineering technology solutions in a societal and global context.
- A commitment to quality, timeliness, and continuous improvement.
- An appropriate level of achievement of the body of knowledge required by the Association for the Advancement of Medical Instrumentation (AAMI), as listed in the program criteria applicable to biomedical engineering technology programs contained within the ETAC of ABET *Criteria for Accrediting Engineering Technology Programs*.

Program Details
Degree: Bachelor of Science in Biomedical Engineering Technology (in New York, Bachelor of Technology in Biomedical Engineering Technology)
Semesters: 9 full time
Minimum credit hours required for graduation: 139[1,2]
Normal time to complete: 4.5 years, assuming enrollment in 15–16 credit hours per semester and attending 2 semesters per year; enrollment in 17–20 credit hours may be needed in some semesters (see *Course Loads*)

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 or academic advisor for more information.

Additional information is available in *Programmatic Accreditation and Recognition*.

Program Outline
Within each course area, courses are shown with their designators (i.e., COLL148), titles and credit hours. Students interested in alternate course options should contact their student support advisor to determine whether alternates are offered for any course listed below. Additional information is found in *Course Descriptions*.

Course Area	Minimum Credit Hours
Communication Skills	**15[3]**
• ENGL112[4] Composition (4)	
• ENGL135 Advanced Composition (4)	
• ENGL216 Technical Writing (4)	
• SPCH275 Public Speaking (3)	
Humanities[5]	**9[6]**

[1] *133 for students enrolled at a New Jersey location.*
[2] *142 for students enrolled at a Pennsylvania location.*
[3] *14 for students enrolled at a New Jersey location.*
[4] *Students enrolled at a New Jersey location take ENGL108 in lieu of this course.*
[5] *Students enrolled at a Pennsylvania location must take HUMN451 as part of this requirement.*
[6] *12 for students enrolled at a Pennsylvania location.*

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

Social Sciences **6**

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

Mathematics and Analytical Methods **20**

- ECET345 Signals and Systems with Lab (4)
- MATH114 Algebra for College Students (4)
- MATH190 Pre-Calculus (4)
- MATH260 Applied Calculus I (4)
- MATH270 Applied Calculus II (4)

Natural Sciences **12**

- BIOS135 Foundations in Biology and Chemistry with Lab (4)
- BIOS195 Anatomy and Physiology for Health Sciences with Lab (4)
- PHYS204 Applied Physics with Lab (4)

Personal and Professional Development **5**

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

Electronic Circuits and Devices **20**

- CEIS100 Introduction to Engineering Technology and Information Sciences (2)
- ECET105 Digital Fundamentals with Lab (2)
- ECET110 Electronic Circuits and Devices I with Lab (4)
- ECET210 Electronic Circuits and Devices II with Lab (4)
- ECET220 Electronic Circuits and Devices III with Lab (4
- ECET350 Signal Processing with Lab (4)

Digital Circuits and Microprocessors **12**

- ECET230 Digital Circuits and Systems with Lab (4)
- ECET330 Microprocessor Architecture with Lab (4)
- ECET340 Microprocessor Interfacing with Lab (4)

Computer Programming and Networking **19**

- CIS170C Programming with Lab (4)
- CIS247C Object-Oriented Programming with Lab (4)
- CIS355A Business Application Programming with Lab (4)
- ECET375 Data Communications and Networking with Lab (4)
- NETW310 Wired, Optical and Wireless Communications with Lab (3)

Biomedical Engineering Technology **16**

- BMET313 Biomedical Equipment and Instrumentation I with Lab (4)

- BMET323 Biomedical Equipment and Instrumentation II with Lab (4)
- BMET433 Medical Imaging Technology with Lab (4)
- BMET436 Telemedicine and Medical Informatics with Lab (4)

Senior Project Design and Development **5**

- ECET390 Product Development (2)
- ECET492L Senior Project Development Lab I (1)
- ECET493L Senior Project Development Lab II (1)
- ECET494L Senior Project Development Lab III (1)

Technology Integration **2**

- ECET299 Technology Integration I (1)
- ECET497 Technology Integration II (1)

Note: All students should see General Notes *at the beginning of* Colleges & Programs of Study.

Employment positions determined to be in field, to calculate the graduate employment rates required by the state of California, for graduates of the Bachelor of Science in Biomedical Engineering Technology degree program include: Medical Equipment Repairers (49-9062.00). Please note, both the 2010 and 2018 versions of the Standard Occupational Classification (SOC) are reflected. More information about these careers may be found at www.onetonline.org/crosswalk/ ***by searching for the career title or SOC number.***

For additional program information, visit devry.edu/bbet.

Computer Engineering Technology Bachelor's Degree Program

Note: This program is no longer accepting new applicants.

The Computer Engineering Technology (CET) program offered at DeVry University locations prepares students to join the workforce as technical professionals in a variety of industries, including information technology.

CET program graduates take an applications-oriented approach to designing and implementing software, interfaces that link computers to other physical systems, and computer systems or other digital subsystems. They design software systems; create code and protocols; test and evaluate hardware and software products and processes; and diagnose and solve problems. Graduates should also possess appropriate knowledge, experience and skills to function effectively in multidisciplinary teams, adapt to changes in technical environments throughout their careers and progress in their professional responsibilities.

Notes:

- *To complete their programs, students must meet requirements outlined in* Engineering and Information Sciences – General Course Requirements*.*
- *For information on accreditation, please see the Programmatic Accreditation and Recognition section.*

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 is why our programs are infused 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.

Program Educational Objectives
Program educational objectives are broad statements that describe what graduates are expected to attain within a few years of graduation. Program educational objectives are based on the needs of the program's constituencies. The CET program has the following objectives:

- Finding employment in a computer-technology-related position with appropriate title and compensation.
- Achieving a successful professional career.
- Adapting to change through continuous personal and professional development.

Student Outcomes
Student outcomes describe what students are expected to know and be able to do by the time of graduation. These relate to the skills, knowledge, and behaviors that students acquire as they progress through the program. The student outcomes for this program include:

- Analyze complex engineering technology problems and apply knowledge, techniques, skills and contemporary tools of mathematics, science, engineering, and technology to identify solutions.
- Design, implement, and evaluate an engineering technology solution to meet a given set of requirements.
- Communicate effectively in written, oral, and graphical forms in a variety of professional contexts.
- Recognize professional responsibilities and make informed judgments in engineering technology practice based on legal and ethical principles.
- Function effectively as a member or leader of a team engaged in responsibilities appropriate to engineering technology.
- Conduct standard tests, measurements, and experiments, and analyze and interpret the results to improve processes.

Program Details
Degree: Bachelor of Science in Computer Engineering Technology (in New York, Bachelor of Technology in Computer Engineering Technology)
Semesters: 9 full time
Minimum credit hours required for graduation: 139
Normal time to complete: 4.5 years, assuming enrollment in 15–16 credit hours per semester and attending 2 semesters per year; enrollment in 17–20 credit hours may be needed in some semesters (see *Course Loads*)

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 or academic advisor for more information.

Program Outline
Within each course area, courses are shown with their designators (i.e., COLL148), titles and credit hours. Students interested in alternate course options should contact their student support advisor to determine whether alternates are offered for any course listed below. Additional information is found in *Course Descriptions*.

Course Area	Minimum Credit Hours
Communication Skills	**15**
• ENGL112 Composition (4)	
• ENGL135 Advanced Composition (4)	
• ENGL216 Technical Writing (4)	
• SPCH275 Public Speaking (3)	
Humanities	**9**
• ETHC445 Principles of Ethics (3)	
• HUMN303 Introduction to the Humanities (3)	
• LAS432 Technology, Society, and Culture (3)	
Social Sciences	**9**

- ECON312 Principles of Economics (3)
- SOCS185 Culture and Society (3)
- SOCS325 Environmental Sociology (3)

Mathematics, Analytical Methods and Natural Sciences **24**

- ECET345 Signals and Systems with Lab (4)
- MATH114 Algebra for College Students (4)
- MATH190 Pre-Calculus (4)
- MATH221 Statistics for Decision Making (4)
- MATH265 Applied Calculus (4)
- PHYS204 Applied Physics with Lab (4)

Personal and Professional Development **5**

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

Electronic Circuits and Devices **16**

- ECET110 Electronic Circuits and Devices I with Lab (4)
- ECET210 Electronic Circuits and Devices II with Lab (4)
- ECET220 Electronic Circuits and Devices III with Lab (4)
- ECET350 Signal Processing with Lab (4)

Digital Circuits and Microprocessors **20**

- CEIS100 Introduction to Engineering Technology and Information Sciences (2)
- ECET105 Digital Fundamentals with Lab (2)
- ECET230 Digital Circuits and Systems with Lab (4)
- ECET330 Microprocessor Architecture with Lab (4)
- ECET340 Microprocessor Interfacing with Lab (4)
- ECET365 Embedded Microprocessor Systems with Lab (4)

Computer Programming and Networking **35**

- CEIS295 Data Structures and Algorithms (3)
- CIS170C Programming with Lab (4)
- CIS247C Object-Oriented Programming with Lab (4)
- CIS336 Introduction to Database with Lab (4)
- CIS355A Business Application Programming with Lab (4)
- ECET360 Operating Systems with Lab (4)
- ECET375 Data Communications and Networking with Lab (4)
- ECET465 Advanced Networks with Lab (4)
- ECET490 Distributed Computing System Design with Lab (4)

Senior Project Design and Development **5**

- ECET390 Product Development (2)
- ECET492L Senior Project Development Lab I (1)

- ECET493L Senior Project Development Lab II (1)
- ECET494L Senior Project Development Lab III (1)

Technology Integration **2**

- ECET299 Technology Integration I (1)
- ECET497 Technology Integration II (1)

Note: All students should see General Notes *at the beginning of* Colleges & Programs of Study.

Employment positions determined to be in field, to calculate the graduate employment rates required by the state of California, for graduates of the Bachelor of Science in Computer Engineering Technology (in New York, Bachelor of Technology in Computer Engineering Technology) degree program include: Electronics Engineering Technicians (17-3023.01); Electrical Engineering Technicians (17-3023.03). Please note, both the 2010 and 2018 versions of the Standard Occupational Classification (SOC) are reflected. More information about these careers may be found at www.onetonline.org/crosswalk/ ***by searching for the career title or SOC number.***

For additional program information, visit devry.edu/bcet.

Electronics Engineering Technology Bachelor's Degree Program

Note: This program is no longer accepting new applicants.

The Electronics Engineering Technology (EET) program offered at DeVry University locations prepares graduates to join the work force as technical professionals in a variety of industries.

The EET program prepares graduates to join the workforce as technical professionals in a variety of industries. These graduates play essential roles on the engineering team, typically designing and implementing hardware and software solutions to technical problems. Graduates should also possess appropriate knowledge, experience and skills to function effectively in multidisciplinary teams, adapt to changes in technical environments throughout their careers and progress in their professional responsibilities.

Offered within the program is a Renewable Energy Engineering Technology (REET) program option, as shown in the following program outline. Students may begin the program in "Undeclared" status. Students must make a decision as to whether they wish to complete the program option in REET by the time they have earned 60 semester-credit hours toward their degree.

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 is why our programs are infused 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.

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 utilized throughout the Internet of Things ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security.

Tech Core courses feature a customized Internet of Things bundle to complement course instruction and provide practical, hands on experience. The bundle is an ensemble of sensors, digital modules, network components and software tools to simulate Internet based applications and create an interactive student experience. To support this experience, the university will provide students enrolled in this program with a laptop computer.

Notes:

- *To complete their program, students must meet requirements outlined in* Engineering and Information Sciences – General Course Requirements.

- *For information on accreditation, please see the Programmatic Accreditation and Recognition section.*

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 programs has the following objectives:

- Finding employment in an electronics-engineering-technology-related position with appropriate title and compensation.
- Achieving a successful professional career.
- Adapting to change through continuous personal and professional development.

Student Outcomes
Student outcomes describe what students are expected to know and be able to do by the time of graduation. These relate to the skills, knowledge, and behaviors that students acquire as they progress through the program. The student outcomes for this program include:

- Analyze complex engineering technology problems and apply knowledge, techniques, skills and contemporary tools of mathematics, science, engineering, and technology to identify solutions.
- Design, implement, and evaluate an engineering technology solution to meet a given set of requirements.
- Communicate effectively in written, oral, and graphical forms in a variety of professional contexts.
- Recognize professional responsibilities and make informed judgments in engineering technology practice based on legal and ethical principles.
- Function effectively as a member or leader of a team engaged in responsibilities appropriate to engineering technology.
- Conduct standard tests, measurements, and experiments, and analyze and interpret the results to improve processes.

Program Details
Degree: Bachelor of Science in Electronics Engineering Technology (in New York, Bachelor of Technology in Electronics Engineering Technology)
Semesters: 9 full time
Minimum credit hours required for graduation: 139[1,2]
Normal time to complete: 4.5 years, assuming enrollment in 15–16 credit hours per semester and attending 2 semesters per year; enrollment in 17–20 credit hours may be needed in some semesters (see *Course Loads*)
Embedded Program: Students can earn an associate degree in Information Technology & Networking with a track in Automation & Electronic Systems en route to earning their bachelor' s degree in Electronic Engineering Technology.

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

[1] *133 for students enrolled at a New Jersey location.*
[2] *142 for students enrolled at a Pennsylvania location.*

length and cost. Students should contact their student support advisor or academic advisor for more information.

Program Outline
Within each course area, courses are shown with their designators (i.e., COLL148), titles and credit hours. Students interested in alternate course options should contact their student support advisor to determine whether alternates are offered for any course listed below. Additional information is found in *Course Descriptions*.

Course Area	Minimum Credit Hours
Communication Skills	**15**[3]
• ENGL112[4] Composition (4)	
• ENGL135 Advanced Composition (4)	
• ENGL216 Technical Writing (4)	
• SPCH275 Public Speaking (3)	
Humanities[5]	**6**[6]
• ETHC232 Ethical and Legal Issues in the Professions (3)	
• LAS432 Technology, Society, and Culture (3)	
Social Sciences	**9**
• ECON312 Principles of Economics (3)	
• SOCS185 Culture and Society (3)	
• SOCS325 Environmental Sociology (3)	
Mathematics and Natural Sciences	**24**
• ECET345 Signals and Systems with Lab (4)	
• MATH114 Algebra for College Students (4)	
• MATH190 Pre-Calculus (4)	
• MATH221 Statistics for Decision Making (4)	
• MATH265 Applied Calculus (4)	
• PHYS204 Applied Physics with Lab (4)	
Personal and Professional Development	**5**
• CARD405 Career Development (2)	
• COLL148 Critical Thinking and Problem-Solving (3)	
Tech Core	**21**
• CEIS101 Introduction to Technology and Information Systems (2)	
• CEIS106 Introduction to Operating Systems (4)	
• CEIS110 Introduction to Programming (3)	

[3] *14 for students enrolled at a New Jersey location.*
[4] *Students enrolled at a New Jersey location take ENGL108 in lieu of this course.*
[5] *Students enrolled at a Pennsylvania location must take HUMN451 as part of this requirement.*
[6] *9 for students enrolled at a Pennsylvania location.*

- CEIS114 Introduction to Digital Devices (3)
- NETW190 Fundamentals of Information Technology & Networking I (3)
- NETW200 Fundamentals of Information Technology & Networking II (3)
- SEC285 Fundamentals of Information Security (3)

Automation and Electronic Systems **12**

- ECT222 Circuit Analysis Fundamentals (4)
- ECT225 Electronic Devices and Systems (4)
- ECT284 Automation and Control Systems with Lab (4)

Information Systems and Programming **8**

- CIS170C Programming with Lab (4)
- CIS247C Object-Oriented Programming with Lab (4)

Application Development **4**

- CIS355A Business Application Programming with Lab (4)

Program Option – one is selected

Renewable Energy Engineering Technology students **30**

- BIOS135 Foundations in Biology and Chemistry (4)
- ECET301 Conservation Principles in Engineering and Technology with Lab (3)
- ECET350 Signal Processing with Lab (4)
- REET300 Introduction to Alternative Energy Technologies with Lab (3)
- REET420 Power Electronics and Alternative Energy Applications with Lab (4)
- REET425 Electric Machines and Power Systems with Lab (4)
- SCI204 Environmental Science with Lab (4)
- SUST310 Renewable Energy: Science, Technology and Management (4)

All other students (Standard Option) **30**

- CEIS312 Introduction to Artificial Intelligence and Machine Learning (3)
- ECET310 Communications Systems with Lab (4)
- ECET340 Microprocessor Interfacing with Lab (4)
- ECET350 Signal Processing with Lab (4)
- ECET365 Embedded Microprocessor Systems with Lab (4)
- ECET402 Mechatronics with Lab (4)
- NETW310 Wired, Optical and Wireless Communications with Lab (3)
- REET425 Electric Machines and Power Systems with Lab (4)

Technology Career Preparation **2**

- CEIS299 Careers and Technology (1)
- CEIS499 Preparation for the Profession (1)

Senior Project **4**

- CEIS392 Product, Project, and People Management (2)

- CEIS494 Senior Project I (1)
- CEIS496 Senior Project II (1)

Note: All students should see General Notes *at the beginning of* Colleges & Programs of Study.

Note: Students must take CEIS101 prior to taking any other technical courses in the Tech Core through all the technical course areas in the program, including Technology Career Preparation and the Senior Project.

Employment positions determined to be in field, to calculate the graduate employment rates required by the state of California, for graduates of the Bachelor of Science in Electronics Engineering Technology (in New York, Bachelor of Technology in Electronics Engineering Technology) degree program include: Electronics Engineering Technicians (17-3023.01); Electrical Engineering Technicians (17-3023.03). Please note, both the 2010 and 2018 versions of the Standard Occupational Classification (SOC) are reflected. More information about these careers may be found at www.onetonline.org/crosswalk/ ***by searching for the career title or SOC number.***

For additional program information, visit devry.edu/beet.

Electronics & Computer Technology Associate Degree Program

Note: This program is no longer accepting new applicants.

DeVry University's Electronics & Computer Technology program prepares students to apply basic engineering principles to solve technical problems and implement technical solutions. Graduates are prepared to support engineers in the execution and maintenance of systems, processes, and technical operations. Coursework includes instruction in basic engineering principles, information technology, programming and digital systems.

TECHPATH

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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 utilized throughout the Internet of Things ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security.

Tech Core courses feature a customized Internet of Things bundle to complement course instruction and provide practical, hands on experience. The bundle is an ensemble of sensors, digital modules, network components and software tools to simulate Internet based applications and create an interactive student experience. To support this experience, the university will provide students enrolled in this program with a laptop computer.

Note: To complete their program, ECT students must meet requirements outlined in Electronics and Engineering Technology Programs – General Course Requirements.

Program Educational Objectives
Program educational objectives are broad statements that describe what graduates are expected to attain within a few years of graduation. Program educational objectives are based on the needs of the program's constituencies. The program has the following objectives:

- Successfully support maintenance, installation and testing of automated, computer-based and/or distributed systems.
- Communicate and collaborate effectively with individuals and teams.
- Exercise critical and systemic thinking, as well as ethical responsibility in solving professional challenges.

- Remain abreast of developments in technology and society.

Student Outcomes
Student outcomes describe what students are expected to know and be able to do by the time of graduation. These relate to the skills, knowledge, and behaviors that students acquire as they progress through the program. The student outcomes for this program include:

- Apply knowledge, techniques, skills and contemporary tools of mathematics, science, engineering, and technology to solve well-defined problems.
- Design solutions for well-defined technology problems and assist with design of systems, components, or processes.
- Conduct, analyze, and interpret results of standard tests, measurements, and experimentation relevant to the field.
- Function effectively as a member of a technical team.
- Communicate effectively in written, oral, and graphical forms using various media and directed to variety of audiences.
- Source and utilize information and resources appropriate to the discipline and context.
- Apply principles of technology in the building, testing, operation, and maintenance of connected and distributed digital-based systems.

Program Details
Degree: Associate of Applied Science in Electronics and Computer Technology (in Florida, Associate of Science in Electronics and Computer Technology; in New York and Pennsylvania, Associate in Applied Science in Electronics and Computer Technology)
Semesters: 5 full time
Minimum credit hours required for graduation: 71[1]
Normal time to complete: 2.5 years, assuming enrollment in 15–16 credit hours per semester and attending 2 semesters per year; enrollment in 17–20 credit hours may be needed in some semesters (see *Course Loads*)

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 or academic advisor for more information.

Program Outline
Within each course area, courses are shown with their designators (i.e., COLL148), titles and credit hours. Students interested in alternate course options should contact their student support advisor to determine whether alternates are offered for any course listed below. Additional information is found in *Course Descriptions*.

Course Area	Minimum Credit Hours
Communication Skills	**7**
• ENGL112 Composition (4)	
• SPCH275 Public Speaking (3)	
Humanities	**3**

[1] *72 for Ohio residents enrolled as online students*

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

Social Sciences **3**

- SOCS185[2] Culture and Society (3)

Mathematics and Natural Sciences **8**

- MATH114 Algebra for College Students (4)
- PHYS204 Applied Physics with Lab (4)

Personal and Professional Development **5**

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

Tech Core **21**

- CEIS101 Introduction to Technology and Information Systems (2)
- CEIS106 Introduction to Operating Systems (4)
- CEIS110 Introduction to Programming (3)
- CEIS114 Introduction to Digital Devices (3)
- NETW191 Fundamentals of Information Technology & Networking (3)
- NETW211 Fundamentals of Cloud Computing (3)
- SEC285 Fundamentals of Information Systems Security (3)

Automation and Electronic Systems **23[3]**

- ECT222 Circuit Analysis Fundamentals (4)
- ECT225 Electronic Devices and Systems (4)
- ECT263 Communications Systems with Lab (4)
- ECT284 Automation and Control Systems with Lab (4)
- NETW310[4] Wired, Optical and Wireless Communication with Lab (3)
- SEC310 Principles and Theory of Security Management (4)

Career Preparation **1**

- CEIS299 Career and Technology (1)

Note: All students should see General Notes at the beginning of Colleges & Programs of Study.

Employment positions determined to be in field, to calculate the graduate employment rates required by the state of California, for graduates of the Associate of Applied Science in Electronics and Computer Technology (in Florida, Associate of Science in Electronics and Computer Technology; in New Jersey, New York and Pennsylvania, Associate in Applied Science in Electronics and Computer Technology) degree program include: Electronics Engineering Technicians (17-3023.01); Electrical Engineering Technicians (17-3023.03). Please note, both the 2010 and 2018 versions of the Standard Occupational Classification (SOC) are reflected. More information about these careers

[2] *Students enrolled at a Nevada location must take POLI332 in lieu of this requirement.*
[3] *24 for Ohio residents enrolled as online students*
[4] *Ohio residents enrolled as online students, and students enrolled at an Ohio location, must take one of the following in lieu of this requirement: BIOS105, ENGL135, ENGL216, MATH114, SCI228.*

may be found at www.onetonline.org/crosswalk/ ***by searching for the career title or SOC number.***

For additional program information, visit devry.edu/aect.

Engineering Technology – Computers Bachelor's Degree Programs

Note: This program is no longer accepting new applicants.

The Engineering Technology – Computers (ET–C) program prepares students to join the workforce as technical professionals in a variety of industries, including information technology.

ET–C program graduates take an applications-oriented approach to designing and implementing software, interfaces that link computers to other physical systems, and computer systems or other digital subsystems. They design software systems; create code and protocols; test and evaluate hardware and software products and processes; and diagnose and solve problems. Graduates should also possess appropriate knowledge, experience and skills to function effectively in multidisciplinary teams, adapt to changes in technical environments throughout their careers and progress in their professional responsibilities.

Notes:

- *To complete their programs, ET–C students must meet requirements outlined in* Engineering and Information Sciences – General Course Requirements.
- *For information on accreditation, please see the Programmatic Accreditation and Recognition section.*

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 is why our programs are infused 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.

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 utilized throughout the Internet of Things ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security.

Tech Core courses feature a customized Internet of Things bundle to complement course instruction and provide practical, hands on experience. The bundle is an ensemble of sensors, digital modules, network components and software tools to simulate Internet based applications and create an interactive student experience. To support this experience, the university will provide students enrolled in this program with a laptop computer.

Program Educational Objectives
Program educational objectives are broad statements that describe what graduates are expected to attain within a few years of graduation. Program educational objectives are based on the needs of the program's constituencies. The ET–C programs has the following objectives:

- Finding employment in a computer-technology-related position with appropriate title and compensation.
- Achieving a successful professional career.
- Adapting to change through continuous personal and professional development.

Student Outcomes
Student outcomes describe what students are expected to know and be able to do by the time of graduation. These relate to the skills, knowledge, and behaviors that students acquire as they progress through the program. The student outcomes for this program include:

- Analyze complex engineering technology problems and apply knowledge, techniques, skills and contemporary tools of mathematics, science, engineering, and technology to identify solutions.
- Design, implement, and evaluate an engineering technology solution to meet a given set of requirements.
- Communicate effectively in written, oral, and graphical forms in a variety of professional contexts.
- Recognize professional responsibilities and make informed judgments in engineering technology practice based on legal and ethical principles.
- Function effectively as a member or leader of a team engaged in responsibilities appropriate to engineering technology.
- Conduct standard tests, measurements, and experiments, and analyze and interpret the results to improve processes.

Program Details
Degree: Bachelor of Science in Engineering Technology – Computers
Semesters: 9 full time
Minimum credit hours required for graduation: 139
Normal time to complete: 4.5 years, assuming enrollment in 15–16 credit hours per semester and attending 2 semesters per year; enrollment in 17–20 credit hours may be needed in some semesters (see *Course Loads*)

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 or academic advisor for more information.

Program Outline
Within each course area, courses are shown with their designators (i.e., COLL148), titles and credit hours. Students interested in alternate course options should contact their student support advisor to determine whether alternates are offered for any course listed below. Additional information is found in *Course Descriptions*.

Course Area	Minimum Credit Hours
Communication Skills	**15**
• ENGL112 Composition (4)	
• ENGL135 Advanced Composition (4)	
• ENGL216 Technical Writing (4)	
• SPCH275 Public Speaking (3)	
Humanities	**9**
• ETHC445 Principles of Ethics (3)	
• HUMN303 Introduction to the Humanities (3)	
• LAS432 Technology, Society, and Culture (3)	
Social Sciences	**9**
• ECON312 Principles of Economics (3)	
• SOCS185 Culture and Society (3)	
• SOCS325 Environmental Sociology (3)	
Mathematics, Analytical Methods and Natural Sciences	**24**
• ECET345 Signals and Systems with Lab (4)	
• MATH114 Algebra for College Students (4)	
• MATH190 Pre-Calculus (4)	
• MATH221 Statistics for Decision Making (4)	
• MATH265 Applied Calculus (4)	
• PHYS204 Applied Physics with Lab (4)	
Personal and Professional Development	**5**
• CARD405 Career Development (2)	
• COLL148 Critical Thinking and Problem-Solving (3)	
Electronic Circuits and Devices	**20**
• ECET365 Embedded Microprocessor Systems with Lab (4)	
• ECT222 Circuit Analysis Fundamentals (4)	
• ECT225 Electronic Devices and Systems (4)	
• ECT284 Automation and Control Systems with Lab (4)	
• SEC310 Principles and Theory of Security Management (4)	
Tech Core	**21**
• CEIS101 Introduction to Technology and Information Systems (2)	
• CEIS106 Introduction to Operating Systems (4)	
• CEIS110 Introduction to Programming (3)	
• CEIS114 Introduction to Digital Devices (3)	
• NETW191 Fundamentals of Information Technology & Networking (3)	
• NETW211 Fundamentals of Cloud Computing (3)	
• SEC285 Fundamentals of Information Systems Security (3)	

Computer Programming and Networking **27**

- CEIS150 Programming with Objects (4)
- CEIS209 Intermediate Programming (4)
- CEIS236 Database Systems and Programming Fundamentals (4)
- CEIS295 Data Structures and Algorithms (3)
- CIS355A Business Application Programming with Lab (4)
- NETW411 Information Security and Mobile Devices (4)
- WEB375 Web Architecture with Lab (4)

Career Preparation **9**

- CEIS299 Careers and Technology (1)
- CEIS499 Preparation for the Profession (1)
- MGMT404 Project Management (4)
- TECH460 Senior Project (3)

Note: All students should see General Notes *at the beginning of* Colleges & Programs of Study.

Employment positions determined to be in field, to calculate the graduate employment rates required by the state of California, for graduates of the Engineering Technology – Computers degree program include: Electronics Engineering Technicians (17-3023.01); Electrical Engineering Technicians (17-3023.03). Please note, both the 2010 and 2018 versions of the Standard Occupational Classification (SOC) are reflected. More information about these careers may be found at www.onetonline.org/crosswalk/ ***by searching for the career title or SOC number.***

For additional program information, visit devry.edu/bet-c.

Engineering Technology – Electronics Bachelor's Degree Programs

Note: This program is no longer accepting new applicants.

The Engineering Technology Electronics (ET–E) program prepares graduates to join the workforce as technical professionals in a variety of industries. These graduates play essential roles on the engineering team, typically designing and implementing hardware and software solutions to technical problems. Graduates should also possess appropriate knowledge, experience and skills to function effectively in multidisciplinary teams, adapt to changes in technical environments throughout their careers and progress in their professional responsibilities.

Offered within this program is a Renewable Energy Engineering Technology (REET) program option, as shown in the following program outline. Students may begin the program in "Undeclared" status. Students must make a decision as to whether they wish to complete the program option in REET by the time they have earned 60 semester-credit hours toward their degree.

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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 utilized throughout the Internet of Things ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security.

Tech Core courses feature a customized Internet of Things bundle to complement course instruction and provide practical, hands on experience. The bundle is an ensemble of sensors, digital modules, network components and software tools to simulate Internet based applications and create an interactive student experience. To support this experience, the university will provide students enrolled in this program with a laptop computer.

Notes:

- *To complete their program, students must meet requirements outlined in* Engineering and Information Sciences – General Course Requirements.
- *For information on accreditation, please see the Programmatic Accreditation and Recognition section.*

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:

- Finding employment in an electronics-engineering-technology-related position with appropriate title and compensation.
- Achieving a successful professional career.
- Adapting to change through continuous personal and professional development.

Student Outcomes
Student outcomes describe what students are expected to know and be able to do by the time of graduation. These relate to the skills, knowledge, and behaviors that students acquire as they progress through the program. The student outcomes for this program include:

- Analyze complex engineering technology problems and apply knowledge, techniques, skills and contemporary tools of mathematics, science, engineering, and technology to identify solutions.
- Design, implement, and evaluate an engineering technology solution to meet a given set of requirements.
- Communicate effectively in written, oral, and graphical forms in a variety of professional contexts.
- Recognize professional responsibilities and make informed judgments in engineering technology practice based on legal and ethical principles.
- Function effectively as a member or leader of a team engaged in responsibilities appropriate to engineering technology.
- Conduct standard tests, measurements, and experiments, and analyze and interpret the results to improve processes.

Program Details
Degree: or Bachelor of Science in Engineering Technology – Electronics
Semesters: 9 full time
Minimum credit hours required for graduation: 139
Normal time to complete: 4.5 years, assuming enrollment in 15–16 credit hours per semester and attending 2 semesters per year; enrollment in 17–20 credit hours may be needed in some semesters (see *Course Loads*)
Embedded Program: Students can earn an associate degree in Information Technology & Networking with a track in Automation & Electronic Systems en route to earning their bachelor' s degree in Engineering Technology – Electronics.

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 or academic advisor for more information.

Program Outline
Within each course area, courses are shown with their designators (i.e., COLL148), titles and credit hours. Students interested in alternate course options should contact their student support advisor to determine whether alternates are offered for any course listed below. Additional information is found in *Course Descriptions*.

Course Area	Minimum Credit Hours
Communication Skills	**15**
• ENGL112 Composition (4)	
• ENGL135 Advanced Composition (4)	
• ENGL216 Technical Writing (4)	
• SPCH275 Public Speaking (3)	
Humanities	**6**
• ETHC232 Ethical and Legal Issues in the Professions (3)	
• LAS432 Technology, Society, and Culture (3)	
Social Sciences	**9**
• ECON312 Principles of Economics (3)	
• SOCS185 Culture and Society (3)	
• SOCS325 Environmental Sociology (3)	
Mathematics and Natural Sciences	**24**
• ECET345 Signals and Systems with Lab (4)	
• MATH114 Algebra for College Students (4)	
• MATH190 Pre-Calculus (4)	
• MATH221 Statistics for Decision Making (4)	
• MATH265 Applied Calculus (4)	
• PHYS204 Applied Physics with Lab (4)	
Personal and Professional Development	**5**
• CARD405 Career Development (2)	
• COLL148 Critical Thinking and Problem-Solving (3)	
Tech Core	**21**
• CEIS101 Introduction to Technology and Information Systems (2)	
• CEIS106 Introduction to Operating Systems (4)	
• CEIS110 Introduction to Programming (3)	
• CEIS114 Introduction to Digital Devices (3)	
• NETW191 Fundamentals of Information Technology & Networking(3)	
• NETW211 Fundamentals of Cloud Computing (3)	
• SEC285 Fundamentals of Information Security (3)	

Automation and Electronic Systems **12**

- ECT222 Circuit Analysis Fundamentals (4)
- ECT225 Electronic Devices and Systems (4)
- ECT284 Automation and Control Systems with Lab (4)

Information Systems and Programming **8**

- CEIS150 Programming with Objects (4)
- CEIS209 Intermediate Programming (4)

Application Development **4**

- CIS355A Business Application Programming with Lab (4)

Program Option – one is selected

Renewable Energy Engineering Technology students **26**

- CEIS301 Engineering Technology Fundamentals (3)
- REET300 Introduction to Alternative Energy Technologies with Lab (3)
- REET420 Power Electronics and Alternative Energy Applications with Lab (4)
- REET425 Electric Machines and Power Systems with Lab (4)
- SCI204 Environmental Science with Lab (4)
- SCI214 Integrated Science with Lab (4)
- SUST310 Renewable Energy: Science, Technology and Management (4)

All other students (Standard Option) **26**

- CEIS312 Introduction to Artificial Intelligence and Machine Learning (3)
- ECET365 Embedded Microprocessor Systems with Lab (4)
- ECET402 Mechatronics with Lab (4)
- ECT263 Communication Systems with Lab (4)
- NETW310 Wired, Optical and Wireless Communications with Lab (3)
- REET425 Electric Machines and Power Systems with Lab (4)
- SEC310 Principles and Theory of Security Management (4)

Career Preparation **9**

- CEIS299 Careers and Technology (1)
- CEIS499 Preparation for the Profession (1)
- MGMT404 Project Management (4)
- TECH460 Senior Project (3)

Note: All students should see General Notes *at the beginning of* Colleges & Programs of Study.

Note: Students must take CEIS101 prior to taking any other technical courses in the Tech Core through all the technical course areas in the program, including Technology Career Preparation and the Senior Project.

Employment positions determined to be in field, to calculate the graduate employment rates required by the state of California, for graduates of the Bachelor of Science in Engineering Technology – Electronics degree program include: Electronics Engineering Technicians (17-3023.01); Electrical Engineering Technicians (17-3023.03). Please note, both the 2010 and 2018 versions of the Standard Occupational Classification (SOC) are reflected. More information about these careers may be found at www.onetonline.org/crosswalk/ ***by searching for the career title or SOC number.***

For additional program information, visit devry.edu/bet-e.

Course Descriptions

Within this section are descriptions of courses. To learn which courses apply to the chosen curriculum, see *Colleges & Programs of Study*. Course descriptions are presented alphabetically, by course designator. Alpha designators indicate the discipline of the course (i.e., MATH for mathematics). Numeric designators indicate the course type as follows:

- **100-299**: Introductory and/or knowledge-building courses
- **300-499**: Discipline and/or specialization-specific courses

Please make note of the following indicators:

- Courses marked with an asterisk (*) require successful completion of required math and English transitional studies courses. Required transitional studies coursework may affect program length and cost.
- Courses marked with a caret (^) are licensed in New Jersey; students whose enrolled location is in New Jersey may enroll in these courses in the onsite, online and blended modalities.
- Courses marked with a plus sign (+) are available as honors courses (restrictions apply).

Note: To enroll in a course with a corequisite, students must have either successfully completed the corequisite course during a prior session or concurrently enroll in the corequisite course.

Please take note of the meaning of the following indicators which may be found next to certain course titles: * requires successful completion of required math and English transitional studies courses., ^ course available for students enrolled at a New Jersey location, + honors course version is available. Return to the course description main page for more details.

Course Designator and Number	Course Title	Course Description	Prerequisite	Credit Hours
Accounting				
ACCT212	Financial Accounting*^	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.	CEIS101 or COMP100	4
ACCT301	Essentials of Accounting*^	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.	BUSN115	4
ACCT303	Intermediate Accounting I*^	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.	ACCT212	3
ACCT304	Intermediate Accounting I*^	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.	ACCT212	4
ACCT305	Intermediate Accounting II*^	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.	ACCT304	4
ACCT306	Intermediate Accounting II*^	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.	ACCT303	3
ACCT312	Intermediate Accounting III*^	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.	ACCT305	4
ACCT313	Intermediate Accounting III*^	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.	ACCT306	3
ACCT326	Federal Tax Accounting I*	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.	Corequisite: ACCT212	3
ACCT346	Managerial Accounting*^	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.	ACCT212	4
ACCT360	Managerial Accounting*^	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.	ACCT212	3

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Course Designator and Number	Course Title	Course Description	Prerequisite	Credit Hours
ACCT405	Advanced Accounting*^	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.	ACCT312	4
ACCT406	Advanced Accounting*^	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.	ACCT313	3
ACCT426	Federal Tax Accounting II*	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.	ACCT326	3
ACCT429	Federal Income Taxation*^	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.	ACCT212	4
ACCT431	Federal Income Taxation*^	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.	ACCT212	3
ACCT434	Advanced Cost Management*^	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.	ACCT346	4
ACCT436	Advanced Cost Management*^	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.	ACCT346 or ACCT360	3
ACCT439	Professional Ethics for Accountants*	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.	ACCT312 or ACCT313	3
ACCT440	Accounting Research*	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.	ACCT312 or ACCT313; and ENGL216	3
ACCT444	Auditing*^	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.	ACCT312	4
ACCT446	Auditing*^	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.	ACCT313	3
ACCT451	Accounting Information Systems with Lab*^	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.	ACCT312	4

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Course Designator and Number	Course Title	Course Description	Prerequisite	Credit Hours
ACCT454	Accounting Information Systems with Lab*^	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.	ACCT313	3
ACCT461	Accounting Senior Project	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.	Successful completion of 89 semester credit hours and ACCT444 and enrollment in the BSAC program and permission from the appropriate academic administrator	3
Business Intelligence and Analytics Management				
BIAM110	Introduction to Business Analytics	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.	BUSN115 and BIS155 or CEIS110	3
BIAM300	Managerial Applications of Business Analytics*	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.	BIS245 or CEIS236; and MATH221	4
BIAM400	Applied Business Analytics*	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.	BIAM300	4
BIAM410	Database Concepts in Business Intelligence*	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.	BIS245 or CEIS246	4
BIAM420	Introduction to Internet Analytics*	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.	BIAM300	4
Biosciences				
BIOS105	Fundamentals of Human Anatomy and Physiology with Lab^	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. Lab work includes computer exercises and simulation activities, as well as observation related to topics covered.	None	4
BIOS205	Anatomy and Physiology for Health Careers	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.	None	4
BIOS267	Pathopharma-cology	This course combines the study of common human diseases and corresponding drug therapies used in their treatment. Students are provided the opportunity to explore the fundamental concepts of the disease process, while also integrating basic pharmacology concepts and drug therapies associated with treatment of common pathologies within the context of a particular organ system. Emphasis is placed on disease etiology, signs and symptoms, and diagnostic measures, as well as dosage, actions, and administration routes, and other characteristics of typical drug treatment modalities.	BIOS105	4

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Course Designator and Number	Course Title	Course Description	Prerequisite	Credit Hours
Biomedical Engineering Technology				
BMET314	Medical Instrumentation	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.	BIOS205 and ECT226	3
BMET316	Medical Imaging Technology	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.	BIOS205 and ECT226	3
BMET318	Telemedicine	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.	BIOS205 and ECT226	3
Business Information Systems				
BIS155	Data Analysis with Spreadsheets with Lab^	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.	COMP100	3
BIS245	Database Essentials for Business with Lab*^	Students in this course learn to design relational databases and to build database applications, including tables, queries, forms, reports and macros. Also addressed is implementation of basic database security, backup and recovery procedures. Generating reports and meeting business requirements are emphasized.	BIS155	4
Business				
BUSN115	Introduction to Business and Technology^	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.	None	3
BUSN219	Marketing Fundamentals*^	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	BUSN115	3
BUSN258	Customer Relations*	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.	BUSN115	4
BUSN278	Budgeting and Forecasting*	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.	ACCT212	4

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Course Designator and Number	Course Title	Course Description	Prerequisite	Credit Hours
BUSN315	Contemporary Business	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. This course may not be applied to elective course requirements.	Successful completion of 60 semester credit hours	3
BUSN319	Marketing*^	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.	BUSN115; and MATH114 or MATH116	3
BUSN350	Business Analysis*	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.	Successful completion of 56 semester-credit hours and MATH221 or MATH226	3
BUSN369	International Business*^	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.	BUSN115	4
BUSN379	Finance*^	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.	ACCT212	3
BUSN412	Business Policy*^	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.	Successful completion of 80 semester-credit hours.	4
BUSN460	Senior Project^*	Working in teams, students apply knowledge and skills, including competencies in problem-solving, critical thinking, research, teamwork, and oral and written communication, to real-world problems in a client-based environment. Assignments are based on competencies developed in students' prior coursework. This course must be taken at DeVry.	Successful completion of 89 semester-credit hours and permission from the appropriate academic administrator	3
Career Development				
Note: For students enrolled at a New Jersey location, credit hours awarded for required Personal and Professional Development courses, CARD205 and CARD405, result in institutional credit only.				
CARD205	Career Development^	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.	Successful completion of 40 semester-credit hours	2
CARD405	Career Development^	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.	Successful completion of 89 semester-credit hours	2

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Course Designator and Number	Course Title	Course Description	Prerequisite	Credit Hours
CARD415	Career Development Strategies^	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.	Successful completion of 78 semester-credit hours and CARD205	1
Computer Forensics				
CCSI410	Digital Forensics I with Lab*^	This course introduces the study of forensics by outlining integrative aspects of the discipline with those of other sciences. Coursework focuses on applying basic forensic techniques used to investigate illegal and unethical activity within a PC or local area network (LAN) environment and then resolving related issues.	SEC310	4
CCSI460	Digital Forensics II with Lab*^	This course builds on forensic computer techniques introduced in CCSI410, focusing on advanced investigative techniques to track leads over local and wide area networks, including international computer crime.	CCSI410	4
Engineering Technology and Information Sciences				
CEIS101	Introduction to Technology and Information Systems*^	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. *Note: This course is available only for students in technology programs for which is it is required.*	ENGL062 and MATH062; or equivalent	2
CEIS101C	Introduction to Technology and Information Systems*^	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. *Note: This course is available only for students in technology programs for which is it is required.*	ENGL062 and MATH062; or equivalent	2
CEIS106	Introduction to Operating Systems*^	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.	Corequisite: CEIS101; and ENGL062 and MATH062 or the equivalents	4
CEIS110	Introduction to Programming*^	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.	BIAM110 or CEIS101; and ENGL062 and MATH062 or the equivalents	3
CEIS114	Introduction to Digital Devices*^	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.	CEIS101; and ENGL062 and MATH062 or the equivalents	3
CEIS150	Programming with Objects	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.	CEIS110	4
CEIS200	Software Engineering I^	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.	CEIS209	3
CEIS209	Intermediate Programming	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.	CEIS150	4

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Course Designator and Number	Course Title	Course Description	Prerequisite	Credit Hours
CEIS236	Database Systems and Programming Fundamentals*^	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.	CEIS110 or CIS363B	4
CEIS295	Data Structures and Algorithms^	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.	CEIS209	3
CEIS299	Careers and Technology*^	This course provides students with technical preparation required at the entry-level to be successful in a career field. Students may engage in activities related to various industry certification exam preparations under instructor supervision. This course is graded on a satisfactory/unsatisfactory basis.	Co-requisite: CEIS150 or NETW211 or NETW270	1
CEIS301	Engineering Technology Fundamentals	This course introduces fundamental concepts of engineering technology. Topics include design, communication, and ethics for the engineering technology profession and fundamental engineering technology principles.	PHYS204	3
CEIS308	Computer-Aided Design	Students develop computer-assisted design and modelling skills that can be applied in many technology fields including biomedical, mechanical, and electrical/electronic design. Students leverage computer-aided design (CAD) software to facilitate the generation, modification, and optimization of systems, solid models, and proto-types. The benefits and methods of iterative and rapid prototyping are covered.	CEIS114 and MATH114	3
CEIS310	Process Improvement	In this course, the two main processes of six sigma will be introduced - DMAIC (define, measure, analyze, improve, control) and DMADV (define, measure, analyze, design, verify). Students will learn how these principles are applied to improve existing processes and create new ones. Emphasis will be placed on DMAIC and statistical process, product control and machine learning for process improvement. General statistic principles will be reviewed and new topics addressing principles of statistical process control will be covered. Material covered represents competencies and proficiencies aligned to Lean Six Sigma Yellow Belt certification.	MATH221	3
CEIS312	Introduction to Artificial Intelligence and Machine Learning	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 studied.	CEIS110and MATH221	3
CEIS320	Introduction to Mobile Device Programming^	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.	CEIS209	3
CEIS340	Database Management*	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 and contrasted through the use of contemporary database management systems and tools	CEIS236	3
CEIS400	Software Engineering II^	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.	CEIS200	3
CEIS420	Programming Languages and Advanced Techniques^	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.	CEIS209	3

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CEIS480	Data Mining and Analytics*	This course explores programming concepts and techniques for collecting and analyzing data, identifying meaningful patterns, and presenting results. Students apply software libraries for web-scraping, data manipulation, statistical analysis, data mining, pattern recognition, and graphing; and implement commonly used algorithms for sorting, searching, and classifying data. Programming language features for working with data are introduced.	CEIS110 and MATH114	3
CEIS485	Data Interpretation and Statistical Analysis*	This course focuses on methods of visualizing, presenting, and interpreting the results of data analysis for decision-makers. The course includes advanced features of spreadsheet applications for data cleansing, multidimensional analysis and graphical presentation using a cloud-based business intelligence tool. Strategies for storytelling with data are also emphasized.	BIS245 or CEIS110; and MATH221	3
CEIS490	Ecosystem of The Internet of Things*	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.	ECT315	3
CEIS499	Preparation for the Profession*^	Opportunities to prepare for desired professions in technology are explored. Students may engage in a variety of activities under instructor supervision including industry certification examination preparation, internships, co-ops, portfolio building, and/or applied projects. Students perform self-assessment and goal-setting activities to execute job search and career advancement strategies using knowledge gained in their respective areas of study.	CEIS299 and (TECH460 or co-req:CEIS400, or CEIS420, or CEIS480, or CEIS485, or CEIS490, or CIS407A, or NETW404, or NETW414,or SEC321,or WEB375)	1
Computer Information Systems				
CIS355A	Business Application Programming with Lab*^	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.	CEIS209	4
CIS363B	Web Interface Design with Lab*^	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.	CEIS209 or corequisite WGD229	4
CIS407A	Web Application Development with Lab*^	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.	CEIS236 and CIS363B	4

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Critical Thinking				
Note: For students enrolled at a New Jersey location, credit hours awarded for required Personal and Professional Development courses result in institutional credit only.				
COLL148	Critical Thinking and Problem-Solving^	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.	None	3
Communications				
COMM491	Senior Project I	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.	Successful completion of 89 semester-credit hours and ENGL135 and permission from the appropriate academic administrator	2
COMM492	Senior Project II	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.	COMM491	2
Computer Applications and Programming				
COMP100	Computer Applications for Business with Lab^	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.	None	2
Criminal Justice				
CRMJ300	Criminal Justice*	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.	Corequisite: ENGL112	3
CRMJ310	Law Enforcement*	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.	CRMJ300	3
CRMJ315	Juvenile Justice*	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.	CRMJ300	3
CRMJ320	Theory and Practice of Corrections*	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.	CRMJ300	3
CRMJ400	Criminology*	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.	CRMJ300 and ENGL135	3
CRMJ410	Criminal Law and Procedure*	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.	CRMJ400	3

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CRMJ420	Criminal Investigation*	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.	CRMJ400 or JADM340	3
CRMJ425	Ethics and Criminal Justice*	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.	CRMJ300	3
CRMJ450	Terrorism Investigation*	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.	CRMJ310	3
Database Management				
DBM438	Database Administration with Lab*^	Students are introduced to a variety of database administration topics, including capacity planning, database management system (DBMS) architecture, performance tuning, backup, recovery and disaster planning, archiving, reorganization and defragmentation.	BIAM410	4
DBM449	Advanced Topics in Database with Lab*^	Students in this course explore database topics such as dynamic structured query language (SQL), complex queries, data warehousing, reporting capability creation, performance tuning, and data security practices and technologies.	DBM438	4
Economics				
ECON312	Principles of Economics^	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.	ENGL112 or ENGL113; and MATH114 or MATH116	3
Electronics and Computer Technology				
ECT226	Electronic Device and System Foundations	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.	CEIS114 and MATH114	3
ECT286	Automation and Control	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.	CEIS114	3
ECT315	Industrial IoT	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.	ECT286	3
ECT345	Signals and Systems	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.	MATH265 and PHYS204	4
English Composition				
Note: Required transitional studies coursework may affect program length and cost.				
ENGL062	Introduction to Reading and Writing^	This transitional studies course is designed to enhance students' reading and writing skills so they can effectively complete other courses in their program of study. Coursework 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. An integrated approach links reading with writing and addresses basic grammar integral to the writing process. The minimum requirement to pass this course is 80 percent, and grades of C and D are not assigned. 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.	Eligibility to enroll in the course is based on placement results	4

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ENGL108	Composition with Lab^	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.	Eligibility to enroll in the course is based on placement results or on successful completion of ENGL062.	3
ENGL112	Composition+	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.	Eligibility to enroll in the course is based on placement results or on successful completion of ENGL062	4
ENGL113	Composition	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.	Eligibility to enroll in the course is based on placement results or successful completion of ENGL062.	3
ENGL135	Advanced Composition^+	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.	ENGL108 or ENGL112	4
ENGL136	Advanced Composition^+	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.	ENGL108 or ENGL112 or ENGL113	3
ENGL206	Technical Communication^	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.	ENGL108 or ENGL112	3
ENGL216	Technical Writing^+	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.	ENGL108 or ENGL112 or ENGL113	4
Ethics				
ETHC232	Ethical and Legal Issues in the Professions^	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.	ENGL108 or ENGL112	3
ETHC334	Diversity, Equity and Inclusion in the Workplace	This course provides a framework for understanding diversity and diverse populations in professional practice. Ethical principles, social responsibility, legal and regulatory requirements and professional codes of conduct are explored to help students develop clear perspectives on the role of diversity, equity, and inclusion in the workplace and gain a sense of ethical accountability for their behavior in the workplace. General principles are applied to professional examples such as business management, client engagement and health information technology.	BUSN115 or ENGL108 or ENGL112	3

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ETHC445	Principles of Ethics^+	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.	ENGL135 or ENGL136	3
Finance				
FIN351	Investment Fundamentals and Security Analysis*	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.	BUSN379	4
FIN364	Money and Banking*	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.	BUSN379	4
FIN382	Financial Statement Analysis*	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.	BUSN379	4
FIN390	Fixed Income Securities Analysis*	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.	BUSN379	4
Graphic and Multimedia Design				
GMD311	Web Video Fundamentals with Lab*^	Students in this course learn to enhance web presentations through video and audio integration. Technical aspects such as linking files, streaming media and embedded video are covered.	Corequisite: WGD260	4
GMD341	Advanced Imaging with Lab*^	This course explores advanced techniques for achieving sophisticated visual designs and imagery. Students learn to actualize designs and maximize creative capabilities through use of software such as Adobe Creative Suite. Students also learn techniques to streamline workflow in large projects.	MDD310 and WGD210	4
GMD371	Advanced Illustration with Lab*^	Students in this project-based course learn advanced drawing and line art techniques, including advanced vector-based illustration. Blending tools, gradients, transparency and various effects are explored. Web illustrations and animations are developed using vector art and common multimedia tools in an integrated development environment.	MDD310	4
GMD411	3D Model Design and Construction with Lab*^	This course focuses on design and construction of spline models suitable for ray-traced illustration, rendered video and print. Students learn a managed approach to model construction, working from concept sketches to completely articulated models in demonstration projects that emphasize reusability of constructed assets.	MDD310	4
GMD451	Animation with Lab*^	This course targets the pre-production and production phases of animation design. Students learn to synthesize elements of an animated movie into a storyboard for production. Employing classical animation studio techniques, animations are optimized for digital production environments and delivery using common multimedia tools in an integrated development environment.	GMD411 and MDD310	4
Global Supply Chain Management				
GSCM206	Managing Operations Across the Supply Chain*^	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.	BUSN115	4
GSCM209	Supply Chain Management Decision Support Tools and Applications*	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.	GSCM206	4

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GSCM326	Total Quality Management*^	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.	MATH221	4
GSCM330	Strategic Supply and Master Planning*	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.	GSCM206	4
GSCM434	Supply Chain Logistics, Distribution and Warehousing*	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.	GSCM206	4
GSCM440	Supply Chain Procurement Management and Sourcing Strategy*	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.	GSCM206	4
GSCM460	Global Issues in Supply Chain Management*	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.	GSCM206	4
Health Information Management				
HIM335	Health Information Systems and Networks with Lab*	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.	HIT230 or HSM310	3
HIM355	Advanced Classification Systems and Management with Lab*	This course covers advanced classification systems, as well as application and management of these systems in healthcare organizations. Principles and guidelines for using SNOMED CT and DSM-IV are introduced. Implementation, management, control and quality monitoring of coding applications and processes are covered. Electronic applications for clinical classification and coding are explored. Also addressed are uses of clinical data in healthcare delivery reimbursement systems, and the importance of compliance and reporting requirements.	HIT230	3
HIM370	Healthcare Data Security and Privacy*	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.	HIT230 or HSM310	3
HIM410	Health Information Financial Management*	This course builds on coursework in healthcare reimbursement and delivery systems. The accounting system, as well as essential elements of cost/benefit analysis and managerial accounting within the context of healthcare finance and resource management, are addressed. Capital, operating and other budgeting methods are studied in relation to goal attainment and organizational success in healthcare facilities. Reimbursement methodologies for healthcare services and the role of health information management professionals are studied. Prerequisite: / 3-3	HIT230 or HSM310	3
HIM420	Healthcare Total Quality Management*	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.	MATH325	4

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HIM435	Management of Health Information Functions and Services*	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.	HIT230	4
HIM460	Health Information Management Practicum*	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.	Completion of, or current enrollment in, all courses required for the Health Information Management technical specialty and permission from the appropriate academic administrator	3
History				
HIST405	United States History	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.	ENGL135 or ENGL136	3
HIST410	Contemporary History^	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.	ENGL135	3
Health Information Technology				
HIT111	Basic Medical Terminology^	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.	None	3
HIT120	Introduction to Health Services and Information Systems*^	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.	None	4
HIT141	Health Information Processes with Lab*^	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.	HIT120	4
HIT170	Health Information Fundamentals Practicum*^	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.	HIT111 and HIT141	2

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HIT203	International Classification of Diseases Coding I with Lab*^	This course, the first in a two-course sequence, addresses principals, guidelines, definitions and coding conventions of the International Classification of Diseases-10-Procedural Coding System (ICD-10-PCS). Coursework is designed to help students gain experience needed for accurately dissecting operative reports and building 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.	Prerequisite: BIOS267	3
HIT205	International Classification of Diseases Coding II with Lab*^	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.	HIT203	3
HIT211	Current Procedural Terminology Coding with Lab*^	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.	HIT203	4
HIT213	Current Procedure Terminology Coding II with Lab	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.	HIT205 and HIT211	3
HIT220	Legal and Regulatory Issues in Health Information*^	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.	HIT120	2
HIT226	Data Applications and Healthcare Quality with Lab*^	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.	Prerequisite: BIS155 and HIT141; Corequisite: HIT170	3
HIT230	Health Insurance and Reimbursement*^	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.	Prerequisite: HIT141; and Corequisite: HIT203	3
HIT252	Coding Practicum and Review	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. This course is graded on a Satisfactory/Unsatisfactory basis.	Prerequisites: HIT205 and HIT211; Corequisite: HIT230	2
HIT260	Coding Practicum with Lab	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.	HIT213 and HIT220 and HIT230	3

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HIT261	CCS Review	This course is designed to prepare students for the Certified Coding Specialist (CCS) certification exam, which determines aptitude in three competency domains: health information documents; diagnosis and procedure coding; and regulatory guidelines and reporting requirements for Acute Care (Inpatient) service. The minimum requirement to pass this course is 70 percent. This course is graded on a Satisfactory/Unsatisfactory basis.	Corequisite: HIT260	2
HIT272	Health Information Practicum Capstone^	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.	Permission from the appropriate academic administrator upon completion of, or concurrent enrollment in all other HIT courses in the program, except HIT274	3
HIT274	RHIT Certification Exam Preparation	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. In order for DeVry University to pay for the National RHIT Exam students must pass this course with an 85% or better. This course is graded on a Satisfactory/Unsatisfactory basis.	HIT226 and HIT230	1
Hospitality Management				
HOSP310	Introduction to Hospitality Management*	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.	BUSN115	4
HOSP320	Foundations of Hotel Management*	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.	HOSP310	4
HOSP330	Meetings and Events Management*	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.	HOSP310	4
HOSP410	Restaurant Management*	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.	HOSP310	4
HOSP420	Food Safety and Sanitation*	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.	HOSP310	4
HOSP440	Casino Management*	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.	HOSP310	4
HOSP450	Tourism Management*	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.	HOSP310	4

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Human Resource Management				
HRM320	Employment Law*	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.	BUSN115	4
HRM330	Labor Relations*	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.	BUSN115	4
HRM340	Human Resource Information Systems*	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.	COMP100 and MGMT410	4
HRM410	Strategic Staffing*	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.	MGMT410	4
HRM420	Training and Development*	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.	MGMT410	4
HRM430	Compensation and Benefits*	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.	MGMT410	4
Health Services Management				
HSM310	Introduction to Health Services Management*	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.	BUSN115	4
HSM320	Health Rights and Responsibilities*	This course examines legal and ethical issues of healthcare services. Topics include legal relationships among providers, payers and patients, and issues of professional liability. Ethical aspects of rights and duties are explored in a healthcare context.	HSM310	4
HSM330	Health Services Information Systems*	This course focuses on applying technology to developing and maintaining health services information systems. Students become familiar with hardware and software options for managing patient records, insurance and billing data. Related policy issues of confidentiality and information security are addressed.	COMP100 and HSM310	4
HSM340	Health Services Finance*	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.	HSM310	4
HSM410	Healthcare Policy*	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.	HSM310	4
HSM420	Managed Care and Health Insurance*	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.	HIT141 or HSM310	4
HSM430	Planning and Marketing for Health Services Organizations*	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.	HSM310	4
Humanities				
HUMN303	Introduction to the Humanities^+	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.	ENGL135 or ENGL136	3

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Course Designator and Number	Course Title	Course Description	Prerequisite	Credit Hours
HUMN304	Multi-Ethnic Humanities	This course introduces vital areas of the humanities by highlighting groups, regions, and cultures traditionally underrepresented in humanities courses. Students engage with cultural products including, visual and performing arts, literature, history, and philosophy. Students analyze and interpret works and develop connections among these works and their historical, cultural, and philosophical contexts. Discussions, writing, and research activities prepare students for advanced cultural awareness and curiosity in a global society.	ENGL135 or ENGL136	3
HUMN451	Contemporary Fine Arts^	This course introduces contemporary fine arts, primarily in areas other than literature. Emphasis may be placed on visual arts such as painting, sculpture, architecture and photography, or the focus may be on music, dance, film and other performance arts. Understanding and appreciation of these art forms are enhanced by relating art fields and stylistic trends to one another as well as to historical developments.	ENGL135	3
Internship				
INTP491	Internship I^	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.	Successful completion of 70 semester-credit hours and permission from the appropriate academic administrator	2
INTP492	Internship II^	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.	INTP491 and permission from the appropriate academic administrator	2
Justice Administration				
JADM200	Introduction to Criminal Law*	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.	CRMJ300	3
JADM240	Introduction to the Criminal Courts*	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.	CRMJ300	3
JADM250	Police Report Writing*	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.	COMP100 and CRM300	3
JADM270	Correctional Counseling*	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.	CRMJ320	3
JADM300	Multiculturalism in Criminal Justice Systems*	This course covers topics and issues concerning diversity and multiculturalism in today's policing environment. Common situations are studied from the perspectives of culture, race and ethnicity.	CRMJ310	3
JADM310	Drugs and Society*	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.	CRMJ300	3
JADM330	Victimology*	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.	CRMJ300	3
JADM340	Criminal Evidence*	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.	CRMJ300	3
JADM350	Research Methods in Criminal Justice*	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.	CRMJ400 and MATH221	3

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JADM400	Interviewing and Interrogation*	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.	CRMJ310	3
JADM403	Cybercrime*	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 cyber space, computer security, deviancy, law, criminal justice, risk management and strategic thinking are explored.	CRMJ310 and JADM340	3
JADM413	Police Administration*	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.	CRMJ310	3
JADM455	Emergency Management*	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.	CRMJ300	3
JADM480	Homeland Security and Terrorism*	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.	CRMJ400	3
JADM485	Security Intelligence Analysis*	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.	JADM480	3
JADM490	Senior Project I*	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.	Successful completion of 89 semester credit hours and permission from the appropriate academic administrator	2
JADM494	Senior Project II*	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.	JADM490	2
Liberal Arts and Sciences				
LAS432	Technology, Society, and Culture^+	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.	Successful completion of 89 semester-credit hours and all general education requirements except courses with the prefix CARD, and permission from the appropriate academic administrator	3
Legal Issues				
LAWS310	The Legal Environment^	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.	None	3

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Mathematics				
Note: Required transitional studies coursework may affect program length and cost.				
MATH062	Beginning Algebra^	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 minimum requirement to pass this course is 80 percent, and grades of C and D are not assigned. 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.	Eligibility to enroll in the course is based on placement results.	4
MATH114	Algebra for College Students^	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. The minimum requirement to pass this course is 80 percent, and grades of C and D are not assigned.	Eligibility to enroll in the course is based on placement results, or on successful completion of MATH062	4
MATH116	Algebra for College Students	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. The minimum requirement to pass this course is 80 percent, and grades of C and D are not assigned.	Eligibility to enroll in the course is based on placement results, or successful completion of MATH062	3
MATH190	Pre-Calculus^	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.	MATH114	4
MATH221	Statistics for Decision-Making^+	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.	MATH114	4
MATH226	Statistics for Decision-Making^	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.	MATH114 or MATH116	3
MATH234	Discrete Math in Information Technology	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.	MATH221 and NETW191	4
MATH265	Applied Calculus	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.	MATH190	4
MATH325	Healthcare Statistics and Research	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.	HIT230 and MATH221	4

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Multimedia Design and Development				
MDD310	Multimedia Standards*^	This course focuses on generally accepted usability and accessibility standards that are global, industry-wide, or legal for web and other media. In addition, students apply these standards to develop practices, policies and standards for effective management of multimedia projects and assets.	WGD242	4
MDD340	Business of Graphics*^	This course focuses on issues critical to leading successful multimedia projects and businesses. Topics include scoping work for clients, legal considerations and financial aspects. In addition, the course introduces management principles applied to creative production. Students develop a pro forma media project plan that uses multiple resources.	WGD229	4
Management				
MGMT210	Human Resource Functions*	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.	BUSN115	3
MGMT230	Contemporary Retail Management*	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.	BUSN115	3
MGMT303	Principles of Management^	This course examines fundamental management theories and traditional managerial responsibilities in formal and informal organizational structures. Planning, organizing, directing, controlling and staffing are explored.	BUSN115	3
MGMT330	Business Communication	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.	ENGL216 and MGMT303	4
MGMT340	Business Systems Analysis*^	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.	BIS155	4
MGMT404	Project Management^	This course provides students with an overview of the fundamental project management concepts. This course includes a course project assignment in which key elements of a project management plan are developed. The use of project management software allows the exploration of work breakdown structures, schedules, budgets, and adding resources. The traditional project management methodology is the main focus of this course; however, the agile methodology is also reviewed.	Successful completion of 56 semester-credit hours and MATH221	4
MGMT408	Management of Technology Resources^	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.	ACCT212 or ACCT301 or MGMT404	3
MGMT410	Human Resource Management*	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.	BUSN115	4
Marketing				
MKTG230	Consumer Behavior Fundamentals*^	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.	BUSN115	3
MKTG310	Consumer Behavior*^	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.	BUSN319	4

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MKTG320	Market Research*^	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.	BUSN319	4
MKTG340	Digital Marketing Fundamentals*^	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.	BUSN319	3
MKTG410	Advertising and Public Relations*^	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.	BUSN319	4
MKTG425	Personal Selling and Sales Management*^	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.	BUSN319	4
MKTG430	International Marketing*^	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.	BUSN319	4
Networks				
NETW191	Fundamentals of Information Technology and Networking	This course introduces the underlying technology of networks and the Internet. Networking basics are introduced, such as the OSI and TCP/IP models, routing protocols, switches, small network configuration, troubleshooting, and network security. The learning domains of the CompTIA Network+ certification exam are reviewed.	CEIS106	3
NETW211	Fundamentals of Cloud Computing	The course covers popular Cloud platforms, including AWS, Google Cloud Platform, and Microsoft Azure. Learners work with OpenStack in virtual machine activities to gain hands-on practice and troubleshooting skills, as well as use a secure, private Cloud sandbox environment. The course also reviews learning domains of the CompTIA Cloud+ Exam.	NETW191	3
NETW260	Intermediate Information Technology & Networking I^*	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.	NETW211	3
NETW270	Intermediate Information Technology & Networking II*^	This course presents fundamentals of network design, security, and management best practices. QoS, Cloud Computing, IoT networking, and software-defined networking (SDN) are introduced.	NETW260	3
NETW310	Wired, Optical and Wireless Communications with Lab*^	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 systems. 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.	NETW211	3
NETW320	Converged Networks with Lab*^	This course examines foundations for current and emerging networks that deliver voice, data and video/imaging through various technologies. Topics include core switching, broadband and edge access, Internet protocol telephony, adding packet capabilities to circuit-switched networks, current generation of wireless mobile telecommunications technology, presence-enabled communications, security and troubleshooting. Telecommunications regulation and standards are discussed.	NETW211	3
NETW404	Data Center Virtualization*	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.	NETW211	3
NETW411	Information Security and Mobile Devices*^	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.	SEC285	4

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NETW414	Cloud Computing Architecture*	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).	NETW404	3
Physics				
PHYS204	Applied Physics with Lab^	This course covers the basics of force and motion, matter and energy, energy conversion, electricity and magnetism, heat and light. Use of transducers for performing physical measurements associated with these concepts is incorporated. Logarithms and trigonometry are introduced for analyzing problems in nature.	CEIS114 and MATH114	4
Political Science				
POLI330	Political Science^	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.	None	3
POLI332	Political Science	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. This course fulfills the state requirement for study of the State of Nevada and U.S. constitutions.	None	3
POLI457	International Relations	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.	POLI330 or POLI332	3
Project Management				
PROJ330	Human Resources and Communication in Projects*^	This course focuses on building teams, team performance, and teams in organizations from a human resource perspective. Managing human resources, designing functional teams, and learning about the skills needed to be a productive team member are included in this course. Additionally, this course provides insights into communication planning, information distribution, performance reporting, and conflict management.	MGMT303	4
PROJ410	Contracts and Procurement*^	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.	MGMT404	4
PROJ420	Project Risk Management*^	This course addresses the planning, identification, analysis, response, implementation of responses, and monitoring of project risks in order to maximize results of positive events and minimize consequences of negative events. Inputs, tools and techniques, and outputs to the risk management processes are also reviewed in this course. Students apply project risk management concepts in the development of a risk management plan.	MGMT404	4
PROJ430	Advanced Project Management*^	This course focuses on developing an integrated project plan using a hybrid project management methodology. Students investigate cost, schedule and minimum performance requirements concepts as well as project team management that challenge students to understand different perspectives. These perspectives include project plan development, execution and change control. Also emphasized are developing budgets, creating project assumptions, investigating quality and analyzing variances, and the effects of scope change.	ACCT360 or ACCT346; and PROJ420	4
Psychology				
PSYC305	Motivation and Leadership^+	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.	SOCS185	3
PSYC315	Social Psychology^	Students in this course explore ways in which individuals think about, influence, are influenced by and otherwise relate to people. Individual behavior in the context of social groups and forces is emphasized. Coursework provides a basis for scientifically addressing key issues of this field.	SOCS185	3

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Course Designator and Number	Course Title	Course Description	Prerequisite	Credit Hours
Renewable Energy Engineering Technology				
REET302	Introduction to Alternative Energy Technologies	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.	ECT226 and SUST210	3
REET322	Power Electronics and Alternative Energy Applications	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.	ECT226 and SUST210	3
REET326	Electric Machines and Power Systems	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.	ECT226 and SUST210	3
Small Business Management and Entrepreneurship				
SBE310	Small Business Management and Entrepreneur-ship*^	This course introduces students to business functions, problem areas, decision-making techniques and management fundamentals required for effectively managing a small business.	BUSN115	4
SBE330	Creativity, Innovation and New Product Development*^	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.	BUSN115	4
SBE420	Operational Issues in Small Business Management*	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.	BUSN115	4
SBE430	E-Commerce for Small Business*	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.	BUSN115 or MGMT404	4
SBE440	Business Plan Writing for Small Businesses and Entrepreneurs*	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.	BUSN115	4
Sciences				
SCI200	Environmental Science with Lab^	This interdisciplinary science course integrates natural and social science concepts, and explores the interrelatedness of living things. The course focuses on possible solutions to environmental problems. Topics include sustainability, ecosystems, biodiversity, population dynamics, natural resources, waste management, energy efficiency and pollution control, as well as ethics and politics. Lab exercises support topics presented in the classroom.	MATH114	3
SCI204	Environmental Science with Lab	This interdisciplinary science course integrates natural and social science concepts to explore the interrelatedness of living things. Coursework focuses on environmental issues, problems and possible solutions. Topics include sustainability, ecosystems, biodiversity, population dynamics, natural resources, waste management, energy efficiency and pollution control, as well as associated ethics and politics. Through lab exercises, students apply general principles using a variety of methods and explore a broad range of topics.	MATH114	4
SCI205	Environmental Science with Lab	This interdisciplinary science course integrates natural and social science concepts to explore the interrelatedness of living things. Coursework focuses on environmental issues, problems and possible solutions. Topics include sustainability, ecosystems, biodiversity, population dynamics, natural resources, waste management, energy efficiency and pollution control, as well as associated ethics and politics. Through lab exercises, students apply general principles using a variety of methods and explore a broad range of topics.	MATH116	3

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Course Designator and Number	Course Title	Course Description	Prerequisite	Credit Hours
SCI214	Integrated Science with Lab	This interdisciplinary science course draws on basic principles and insights from physics, chemistry, biology, geology, astronomy and information technology, which are linked within four fundamental principles of science: Newton's laws of force and motion, laws of thermodynamics, laws of electromagnetic force and the atomic structure of all matter. The course provides an understanding of science while clarifying the role of technology and strengthening decision-making. Lab exercises help students further explore theories through observation and application using a variety of methods.	MATH114	4
SCI228	Nutrition, Health and Wellness with Lab	This course provides an overview of basic nutrients the body requires for health and life, and dispels common nutrition myths. The role of nutrition in various biological phases of the human life cycle, as well as psychological and sociological implications of food, are discussed. Students also learn how the scientific method of inquiry is used in the nutritional science and health fields. In the lab, students collect observational data, employ computer simulations, and prepare and sample various foods.	None	4
Information Systems Security				
SEC285	Fundamentals of Information System Security*^	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.	NETW191	3
SEC290	Fundamentals of Infrastructure Security*^	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.	SEC285	3
SEC310	Principles and Theory of Security Management*^	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.	BUSN115 or CEIS101	4
SEC311	Ethical Hacking*^	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.	SEC285	3
SEC321	Network Security Testing with Lab*^	This course examines network security testing, including testing countermeasures against malware threats; denial of service (DOS) and distributed denial of service (DDOS) attacks; email; Web; and Wireless using a layered approach requiring design, implementation, and testing of attack countermeasures.	SEC285	3
SEC340	Business Continuity*^	This course focuses on preparing for, reacting to and recovering from events that threaten the security of information and information resources, or that threaten to disrupt critical business functions. Students examine various levels of threats to an organization's information assets and critical business functions, as well as develop policies, procedures and plans to address them. Technology specific to thwarting disruption and to supporting recovery is also covered.	SEC285	4
SEC360	Data Privacy and Security*^	This course focuses on legal, ethical and security issues involving data and information assets organizations must address to ensure operational continuity as well as compliance with standards, policies and laws. Students examine various levels of threats to an organization's data and develop standards, policies, procedures and plans to combat them. Security technology specific to safeguarding data and information assets is also covered.	SEC285	4
SEC380	Cloud Computing Security*^	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.	SEC285	4

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Course Designator and Number	Course Title	Course Description	Prerequisite	Credit Hours
SEC440	Information Systems Security Planning and Audit*^	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.	SEC285	4
SEC450	Advanced Network Security with Lab*^	Students in this course develop more advanced skills in identifying network security vulnerabilities, including wireless vulnerabilities; conducting risk assessments; preventing, detecting and responding to intrusions; and providing for business continuity and disaster recovery. Topics include firewall architecture, authentication, intrusion-prevention strategies, web security, cryptography and security gates.	SEC290	3
Social Sciences				
SOCS185	Culture and Society^+	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.	None	3
SOCS325	Environmental Sociology^+	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.	ENGL135 or ENGL136	3
SOCS335	Workplace Culture and Communication	Students build on prior work in communication and the social sciences to examine various genres of workplace culture through which workers communicate, such as writing, dress, humor, workspace decoration, rituals, technology-based expressions and others. Analyzing workplaces as complex systems with subgroups, students identify challenges of cross-cultural communication as well as strategies for meeting those challenges, and explore how workers adapt to cultural change in the workplace.	SOCS185	3
SOCS350	Cultural Diversity in the Professions	Students explore cross-cultural issues and diversity to help create a positive foundation for understanding and working effectively with others. Cultural issues – including values, beliefs and practices that affect individuals, groups and communities – are discussed. Case studies and other applications are examined, particularly as they relate to the workplace and to professional practice. Experiential learning designed to increase understanding and appreciation of differing cultures is included.	SOCS185	3
Speech				
SPCH275	Public Speaking^+	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.	ENGL108 or ENGL112 or ENGL113	3
SPCH276	Intercultural Communication	This course provides a foundation in basic elements of effective intercultural communication. The course addresses cultural awareness in written, verbal, and nonverbal communication strategies. Practical application is provided through a series of communication exercises in a variety of rhetorical modes and contexts.	ENGL108 or ENGL112 or ENGL113	3
Sustainability Management				
SUST210	Renewable Energy: Science, Technology and Management	This course introduces science and technology behind renewable energy technology while considering business decisions required to invest in – and manage – systems using this technology. Among others, solar technologies, fuels synthesized from biomass, hydrogen and wind are explored.	CEIS101 or CEIS101C	4
Technical Communication				
TC220	Rhetorical Strategies for Technical Communication*	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.	ENGL135	4

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Course Designator and Number	Course Title	Course Description	Prerequisite	Credit Hours
TC420	Marketing and Corporate Communications *	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.	BUSN319 and TC220	4
Technology				
TECH460	Senior Project	In this course, students integrate technical and soft skills necessary to develop requirements and design specifications to meet a proposed project, process and/or product goal. Students work in teams (or individually with approval) and apply problem-solving techniques, application design methodology, and planning/management methods to a technology-focused project.	MGMT404 and successful completion of 89 semester credit hours	3
Web Game Programming				
WBG310	Interactive Web Page Scripting with Lab*^	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.	Corequisite: WGD260 or CEIS236	4
WBG340	Programming Multimedia for the Web with Lab*^	Students in this course use multimedia authoring tools and techniques to create web-based games and dynamic web pages. Integrating and controlling multimedia assets such as movie clips, sound effects, images and animations are addressed.	CIS363B or MDD310 or WBG310	4
WBG370	Game Development with Lab*^	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.	CIS363B or WBG340	4
WBG410	Dynamic Website Development and Database Integration with Lab*^	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.	CIS363B or WBG340	4
Web Design and Development				
WDD420	Web Accessibility with Lab*^	Building on web design and development skills, students learn to implement accessible websites that meet industry standards and legal requirements for accessibility. Topics include assistive technologies, creating accessible content, and industry standards and regulatory acts.	WBG410	4
Web Development and Administration				
WEB375	Web Architecture with Lab*^	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.	NETW191	4
WEB460	Advanced Web Application Development with Lab*^	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. A programming language such as Java, C++.Net or Visual Basic.Net is used to implement business-related web-based applications.	CIS407A	4
Web Graphic Design				
WGD201	Visual Design Fundamentals^	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.	None	3
WGD205	Advanced Design and Rapid Visualization^	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.	WGD201	4

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Course Designator and Number	Course Title	Course Description	Prerequisite	Credit Hours
WGD210	Digital Imaging Fundamentals^	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.	None	4
WGD229	Information Design^	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.	Corequisite: WGD205 or WGD210	4
WGD235	Web Animation^	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.	CIS363B	4
WGD242	Advanced Web Design^	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.	CIS363B orWGD235	4
WGD251	Responsive Web Design^	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.	CIS363B	3
WGD260	Media Portfolio^	This capstone course culminates in a professional portfolio that showcases students' web graphic products, including component examples and web designs.	WGD251	3

Regarding courses and program content shown, the sequence in which courses are taken may vary based on location scheduling needs. Some courses may not be offered every semester or at every location. All students enrolled in site-based programs will be required to take some coursework online and, for some programs and locations, a substantial portion of the program may be required to be completed online. Credit hours listed are semester hours and align with definitions from the U.S, Department of Education, the Higher Learning Commission and the Illinois Board of Higher Education. DeVry University defines one credit hour based on a 15-week semester as follows: 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.

DeVry operates on a semester calendar; each semester is 16 weeks in length and comprises two eight-week sessions (see *Student-Centric Period*). Some courses may be offered through alternate scheduling options that deliver the academic equivalent of a semester's work. Scheduling options are shown in the *Academic Calendar*. When courses are offered in blended format, some classroom hours are replaced with online and independent study components that require students to commit to substantial out-of-class work. Additionally, some courses may be offered via videoconference, whereby instruction is provided from a single DeVry site and, through technology, is delivered to other locations in the DeVry system. DeVry reserves the right to alter the number of contact hours listed 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 location and may be limited evenings and weekends.

Online coursework includes an independent study component that requires students to commit to substantial work apart from classroom or online activities. Additionally, online course availability may be subject to enrollment minimums and maximums. Courses delivered onsite and online are designed to achieve the same student outcomes and are academically equivalent. Onsite course schedules are available from the chief location administrator.

At DeVry University sites in Pennsylvania, all courses in the blended and onsite modalities are delivered at least 50 percent onsite.

Course descriptions shown are typical; however, specific content and sequencing may vary.

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 a semester have been fulfilled.

Two overlapping calendar cycles designate months 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 months of the year correspond to a student's spring, summer and fall semesters, based on the 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.

Hours of Operation
In general, administrative office hours at DeVry locations are Monday through Thursday 8 am to 8 pm, Friday 8 am to 5 pm and Saturday 9 am to 1 pm, or Monday through Thursday 9 am to 8 pm, Friday 9 am to 4:30 pm and Saturday 9 am to 1 pm. Hours vary by location. More specific information on administrative hours is available from each location.

Academic Instruction and Faculty Office Hours
Each session, instruction ends at 11:59 pm MT on Saturday of week eight. No instruction occurs on holidays or during breaks. Online instruction, professor feedback and student-student interaction in the virtual classroom are continuous processes during each session. Faculty office hours are scheduled at the discretion of each faculty member. Faculty telephone numbers and email addresses are included on course syllabi, which indicate when and how students can contact professors. More specific information is available from each location.

Program Information and Requirements
Program descriptions provide information regarding each curriculum. Program availability varies by location, as do specific program details such as areas of specialization, program options and course requirements. Each location determines its specific course requirements, sequences and availability. Transitional studies coursework may affect program length and cost (see *Transitional Studies Courses*).

In *Colleges & Programs of Study*, the minimum semester-credit-hour requirement for graduation is noted, along with the course area distribution of required courses. Many locations offer alternate courses that also meet these graduation requirements, and a selection of courses may be available to fulfill requirements listed as course area options. Course descriptions list all courses that may fulfill graduation requirements, and each location advises students of available options. 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 prefix, 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 prefix.

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

Primary Program of Enrollment
A student's first program of study is considered the primary program unless the student requests a program change (see *Program Transfers*).

All students enrolled in site-based programs will be required to take some coursework online and, for some programs and locations, a substantial portion of the program may be required to be completed online.

Technology Specifications
Because technology changes rapidly in certain fields, students should note that their computer or computing device used to complete coursework may need to be upgraded during the course of their program.

Students are expected to own or have off-site access to a computing device that meets program-based requirements, including Internet access. All students are responsible for checking hardware/software requirements before registering for courses. Computer requirements for all students are specified at www.devry.edu/online-education/system-requirements.html.

Awards Granted
Students are eligible to receive the award granted in their chosen program after successfully completing all course and other requirements for graduation.

Awards are granted by the location at which the student completed the program requirements, unless an exception regarding the location granting the award is made. Students are subject to any special conditions associated with DeVry's state approval for that location. Awards granted may vary by state (see *Colleges & Programs of Study*).

Curriculum Changes
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. 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 at least 90 days prior to the effective date of the change.

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.

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.

Elective and/or Alternate Courses
DeVry University offers a variety of undergraduate-level elective and alternate courses that supports 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 satisfied (see *Colleges & Programs of Study*).

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

Corresponding DeVry Associate and Bachelor's Degree Programs	
Associate Degree Program(s)	**Bachelor's Degree Program(s)**
Business	Accounting, Business Administration, Management, 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
Network Systems Administration	Network & Communications Management, Technical Management

Note: Restrictions on financial aid for these courses may apply (see Financial Aid Applicability to Elective and/or Alternate Courses*).*

Stackable Programs
Each of the following programs can be earned as a standalone credential, credits from which are transferrable to the corresponding degree programs.

Certificate	Associate	Bachelor's
—	Business^	Technical Management
—	Network Systems Administration	Network & Communications Management
Business Essentials	Business	Technical Management
	—	Accounting
	—	Business Administration
	—	Management
Cloud Computing Certificate	—	Information Technology & Networking Track: Cloud Based Networking and Virtualization
Cyber Security Certificate	—	Computer information Systems Track: Cyber Security Programming
		Information Technology & Networking Track: Cyber Security
Data Mining and Analytics Certificate	—	Software Development Track: Big Data Analytics
Engineering Technology	Engineering Technology	Engineering Technology
Information Technology Essentials Certificate	Engineering Technology	Engineering Technology
	Information Technology & Networking Track: Automated and Electronic Systems	
	Information Technology & Networking Track: Information Systems and Programming	Computer information Systems
		Software Development
	Information Technology & Networking Track: Network Systems Administration	Information Technology & Networking
Internet of Things Certificate	—	Information Technology & Networking Track: Mobile and Networked Devices
Medical Billing & Coding Certificate*	Health Information Technology*	Technical Management Technical Specialty: Health Information Management
Medical Billing & Coding – Health Information Coding Certificate*		
Networking Essentials Certificate	Information Technology & Networking Track: Network Systems Administration	Information Technology & Networking
Programming Essentials Certificate	Information Technology & Networking Track: Information Systems and Programming	Computer information Systems
		Software Development
		Information Technology & Networking Track: Cyber Security
Software Design and Solutions Certificate	—	Software Development Track: Software Design and Programing
	—	Computer Information Systems Track: Software Programing
Web and Mobile Application Development Certificate	—	Software Development Track: Web and Mobile Application Development
Website Design	—	Multimedia Design & Development Track: Graphic Design and Multimedia Design
Website Development	—	Multimedia Design & Development Track: Web Design and Development

^Some of the courses do not transfer to the Bachelor's in Technical Management when selecting the technical specialties in Information Technology, Health Information Management, and Criminal Justice.
*Some of courses in this program do not transfer to the next credential.

Embedded Program
Students can earn additional credentials en route to earning their associate or bachelor's degree when pursuing qualifying degree programs.

Primary Degree Program	1st En Route Credential: Undergraduate Certificate	2nd En Route Credential: Associate Degree
Associate in Business	Business Essentials	N/A
Associate in Information Technology and Networking Track: Undeclared	Information Technology Essentials	N/A
Associate in Information Technology and Networking Track: Automation and Electronic Systems	Information Technology Essentials	N/A
Associate in Information Technology and Networking Track: Network Systems Administration	Networking Essentials	N/A
Associate in Information Technology and Networking Track: Information Systems and Programming	Programming Essentials	N/A
Bachelor's in Engineering Technology	Information Technology Essentials	Engineering Technology – General Option
Bachelor's in Computer information Systems	Programming Essentials	Information Technology and Networking Track: Information Systems and Programming
Bachelor's in Information Technology and Networking	Networking Essentials	Information Technology and Networking Track: Network Systems Administration
Bachelor's in Software Development	Programming Essentials	Information Technology and Networking Track: Information Systems and Programming

Note: Students in the AITN program who do not declare a track upon enrollment begin with the Information Technology Essentials certificate as their embedded credential, which may change when students declare a track.

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.

Diversity, Equity and Inclusion (DE&I) Coursework
DeVry's associate and bachelor's degree programs include course options in the general education curriculum focused on diversity, equity and inclusion to help prepare students in these career-focused areas. While some of these courses are required, students may also select some of courses as shown in the program outline.

The following are the DE&I courses:

Course Designator	Course Title	Course Area
• ETHC334	Diversity, Equity and Inclusion in the Workplace	Humanities
• HUMN304	Multi-Ethnic Humanities	Humanities
• LAS432	Technology, Society, and Culture	Humanities
• SOCS185	Culture and Society	Social Sciences
• SOCS350	Cultural Diversity in the Professions	Social Sciences
• SPCH276	Intercultural Communication	Communication Skills

Students can contact their Student Support Advisor to register for DE&I courses or for more information.

Honors Certificate and Coursework
DeVry notifies eligible students that they may apply to the University's honors certificate program. Those accepted who successfully complete at least five honors courses earn an honors certificate.

Successful completion of an honors course is defined as earning a grade of A, B or C. Courses in which a grade of D is earned do not fulfill honors certificate requirements; however, they may fulfill program requirements. Courses marked with a plus sign (+) in *Course Descriptions* are available as honors courses.

Students work with an appropriate academic administrator to select and register for honors courses appropriate for their programs; self-registration for these courses is restricted.

Students accepted to the honors certificate program must meet specific criteria to remain active in the program. Students should see an advisor for more information.

Honors courses are designated on students' schedules by the standard course number followed by an "H." In addition, all completed honors courses appear on students' transcripts.

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.

Course Delivery
DeVry offers courses in a session format, with two eight-week sessions offered each semester. All courses draw from the learning management system, which reinforces active learning; provides a common course structure and communication vehicle; and offers centralized student resources, including course syllabi, objectives, assignments, tutorials, discussions, weekly milestones and grade updates. Session-based courses may be delivered as:

Blended
In blended courses, students meet with faculty face-to-face onsite each week and also participate in professor-guided online activities. Course outcomes are supported by combining weekly onsite activities with relevant online guidance and feedback from faculty and fellow students throughout the week.

Onsite
In onsite courses, weekly scheduled contact hours are increased to provide opportunity for both professor demonstrations and lab time during which students apply concepts. Thus, course concepts are introduced and practiced face-to-face. Each week, onsite courses include at least two hours of eLearning activities including preparing for class, reading overviews, participating in discussions and checking grades.

All students enrolled in site-based programs will be required to take some coursework online and, for some programs and locations, a substantial portion of the program may be required to be completed online.

Online
In online classes, students select the time to join online class activities and to access materials and announcements. With support of online professors, students are guided through textbook readings and assignments, then participate in related weekly discussions through electronic posts. Via the learning management system, students ask questions, access additional resources, submit work and receive feedback.

Specific Provisions for Online Students
Many of the courses offered by DeVry University and its Keller Graduate School of Management are offered in a purely online format. The university's admissions requirements form the basis for our standard of acceptance. For all programs, regardless of modality, the university observes student success measures that are holistic and support overall student completion. When a student is accepted and registers for a course, DeVry University grants them access to preview the course shell for two weeks prior to the scheduled start date of the course. Prior to beginning courses, students are required to attend an online New Student Orientation session for a thorough introduction to their course shell, the online functionality, and to the general requirements of online courses at DeVry. Course and program outcomes are provided in the course syllabi, and program outcomes are included in the academic catalog.

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

Course-Related Requirements

Courses and Associated Labs
Some course titles include the words "with Lab." Labs within such courses are delivered in various ways, depending on course material and delivery format. For onsite courses, lab activities may be delivered in a separate lab facility or in an integrated lecture-lab classroom. In online courses, lab activities are integrated into the course design, and students participate in them remotely by means of provided software, simulations or the Internet. Lab activities may also be provided via these capabilities to onsite students, particularly students taking blended courses at smaller DeVry locations.

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.

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.

Transitional Studies Courses
Transitional studies coursework provides individualized intensive support and skill development for students who require additional instruction in English 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.

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 their student support advisor or academic 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; limitations may vary by location.

Transitional studies courses are unlikely to transfer to other institutions.

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.

Employment outside the U.S.
Applicants and students outside the U.S. or planning to move outside the U.S. for employment should be aware that professional standards of practice may vary by country. Persons interested in employment outside the U.S. are encouraged to contact the national association or regulatory agency for their field of interest.

Engineering and Information Sciences – General Course Requirements
DeVry Engineering and Information Science programs – whether delivered onsite or online – include courses that require students to complete hands-on activities or project work. In addition to completing general programming exercises, all students must use electronic test equipment; leverage simulation software; and construct electronic circuits and systems with sensors digital components, and/or network devices.

Students should note that, among other things, they must have the ability to visually recognize and manually manipulate electrical components. Students who cannot meet this essential program requirement cannot graduate.

Employment in Justice Administration
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.

Healthcare Practicum and Clinical Coursework Requirements
Certain DeVry programs require students 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 the progress of students 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.

Healthcare Site Requirements
Certain DeVry programs may include coursework at an affiliated healthcare site. Before accepting students, such healthcare sites may 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.

Healthcare Site General Information
Transportation to off-campus 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 the location they attend; however, distances may be greater.

Student Services

DeVry University is committed to helping students achieve their educational 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 online and onsite resources.

SSAs offer academic and financial advising, and are also available to discuss career plans, professional services and extra-curricular activities. Students can find their assigned SSAs within the Student Finance tab on their Student Portal at https://learn.devry.edu/home. Contact information, including the 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 that 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 across the university assist graduates in their career search. Staff members work with students and recent graduates on career planning, job interviewing and resume preparation. Students and alumni can meet with a career advisor anytime by completing an online registration form, after which a career advisor will schedule an initial consultation. The career services available to students and alumni include:

Career Coaching: Career coaching assists students 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, as well as career preparation workshops and industry presentations. In addition to live presentations, recorded webinars and streaming video tutorials are offered to help students have access to a variety of on-demand tools for career success.

Employer Database: DeVry maintains an interactive employer database that contains information on North American companies and job opportunities, called HireDeVry. This online job search tool provides access to current job leads, details on career events and other career-related information to students and alumni.

Career Fairs: Virtual career fairs and in-person networking events enable students, alumni and employers to connect from various industries and are held periodically throughout the academic year.

Internships: Students interested in developing hands-on experience in the workplace are encouraged to work with Career Services to identify potential internship opportunities while in their junior and senior years.

Alumni are entitled to career service assistance, including three coaching appointments with a career service advisor and access to career fairs and employer database.

DeVry and Keller graduates who are employed by the university are not eligible to receive career service benefits. The level of career services offered to international students/graduates varies and depends on employment opportunities permitted by the North American Free Trade Agreement and/or on students'/graduates' visas. DeVry provides career-planning strategies to international students upon request.

Note: DeVry's graduate employment statistics are available through the Admissions Office and via www.devry.edu/d/graduate-employment-outcomes.pdf.

ASPIRE Student Assistance Program
ASPIRE is a student assistance program designed to help students overcome obstacles and achieve success both in and outside of the classroom. Provided at no additional charge, ASPIRE includes a wide range of support services, such as legal and financial counseling, housing referrals, and resources related to living arrangements, childcare and more, to help manage daily life needs. ASPIRE professionals can be reached at 888.470.1531 or via info@myaspireonline.com. More information is available at www.myaspireonline.com.

Alumni Association
The goal of DeVry University and its Keller Graduate School of Management Alumni Association is to serve and support alumni through benefits, services and programs that address their professional, educational and social needs. Membership in the Alumni Association is complimentary to all certificate and degree program graduates of DeVry and Keller. For more information, visit www.alumni.devry.edu or email alumni@devry.edu.

Alumni Benefit
The application fee is waived for alumni who hold a DeVry University bachelor's and/or master's degree, as well as for family members who enroll in undergraduate programs. Textbooks, course materials and other fees are charged at the applicable rate. Additional information and requirements are available from DeVry admissions advisors/representatives.

Note: Alumni who hold a DeVry University undergraduate certificate are not eligible for this benefit.

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 our Nondiscrimination policy and assistance with accommodation requests during the admission process or after enrollment. To learn more, email adaofficer@devry.edu.

Student Support Resources

Library
DeVry University's virtual library supports the educational goals and instructional needs of our students. Students can access library materials digitally via their personal devices, 24/7, from the library website at http://library.devry.edu/. Resources include periodical and research databases, e-books, full-text journal articles and information from academic and trade publications. Students may access this information through our Learning Commons, located across the country. The Learning Commons is an open space where students can collaborate, study or conduct their online research.

Our professional librarians are available to help students access library resources, search for information, and provide direction for their research questions. We offer a variety of connection options; students can contact our librarians by live chat, by email or by calling a dedicated 800 number. To learn more, visit http://library.devry.edu/ask-a-librarian.html.

Bookstore
Textbooks, software and required supplies, such as parts and kits for lab projects, are available from the University's online bookstore, accessed via the student portal at https://learn.devry.edu/home or http://my.keller.edu. Supplementary books and supplies may also be available.

Laboratory Coursework
Virtual and onsite labs support the curriculum and student learning objectives.

Computer Based Labs
Labs are accessible at scheduled times during instructional hours and may be available after classes or in open sessions. Students may also use labs during unscheduled hours with permission from an appropriate staff member.

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. Student academic records are maintained in accordance with DeVry's academic document retention schedule 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
Students and alumni are charged a fee for each electronic transcript and for each paper transcript (see *Official Transcript Request*). Students must submit requests for official transcripts via the student portal. Students are provided an electronic, final transcript at no charge upon graduation.

Document Requests
To obtain student records such as billing statements, diplomas, enrollment agreements, registration documents and transcripts, students should contact their 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
1200 E. Diehl Rd.
Naperville, IL 60563

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.

Note: DeVry does not accept Ability to Benefit students.

Applicants must meet the following criteria:

- Provide acceptable documentation of high school graduation or the equivalent (such as a GED certificate)
  Note:
  - *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 post-secondary degree. The post-secondary transcript must include the name of the high school and the high school graduation date.*
  - *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.*
- Be at least 17 years old on the first day of classes. Documentation may be required.
- Meet the English Language Proficiency Requirement, if native language is other than English. See English-Language Proficiency Requirement.
- Applicants to a Nevada, 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 ACT Math	500 17
English	SAT Reading ACT English	25 17

B. Present one of the following prior educational experiences:
- Transcript demonstrating completion of a qualifying associate degree or higher from a DeVry-recognized post-secondary institution
- Transcript(s) demonstrating completion of at least 12 semester-credit hours of qualifying college-level work at a DeVry-recognized post-secondary 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)
  Note: 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 Algebra	92 50
English	Writing Reading	02 75

English-Language Proficiency Admission Requirement
All instruction and services are provided in English.

In addition to achieving acceptable admission scores on all other admission test requirements, applicants whose native language is other than English must demonstrate English-language proficiency by submitting an earned score of one of the following:

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

Applicants educated outside the United States must demonstrate one of the following:
- English is identified as the official/native language in the country the applicants completed their secondary education, or postsecondary, advanced or professional degree.
- English was the principal language of instruction at their institution.
- Completion of 12 semester-credit hours of baccalaureate-level (excluding remedial or developmental) courses with at least a C (70 percent) in each course from an institution in which the language of instruction was English
- Completion of two or more baccalaureate-level English composition or writing courses with a grade of B (80 percent) or higher, from a DeVry-recognized post-secondary institution.
- Completion of the equivalent of DeVry's freshman English composition course, with a grade of B (80 percent) or higher, from a DeVry-recognized post-secondary institution
- Successful completion of an approved external Intensive English Program.
- Successful completion of a DeVry-recognized intermediate-level English as a Second Language (ESL) course.
- Completion of two years' service in the U.S. military.

Special Admission Requirements
In addition to meeting all regular admission requirements, students included in the categories below must adhere to the following requirements.

Program Specific Requirements
- **Medical Billing & Coding, Website Development and Website Design Programs:** Applicants must demonstrate proficiency in English beyond transitional studies or successfully complete ENGL062 in their first session. The Math placement exam is not required for these programs. Required transitional studies coursework may affect program length and cost.
- **Technical Management Program:** Applicants must have successfully completed at least 12 semester-credit hours at a recognized post-secondary institution, or must hold a DeVry-recognized associate degree or higher. *Note: Admission to the Technical Management program does not require prior college credit for those enrolled at a New Jersey location.*

- **Business Administration Program Applicants - 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.

Home-Schooled Applicants 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 schooling transcript from state-approved organization, acceptable home schooling portfolio, or home schooling documentation based on published state equivalents

Note: Documents submitted satisfy both unofficial and official proof of graduation.

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 an admission decision. This deadline for these applicants cannot be extended.

Applicants who have completed schooling outside of the U.S. 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.

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

Note: 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.

Nonmatriculated Applicant Requirements

Applicants who wish to enroll without seeking a degree are considered nonmatriculated students. These applicants must submit an application and complete a nonmatriculated 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 nonmatriculated status is limited to course attempts totaling 24 semester-credit hours. Nonmatriculated students are not eligible for the Dean's List recognition, career services, housing assistance, part-time-employment assistance, federal or state financial aid, or veterans education benefits.

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.

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. 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 English 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.

- **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.

Transfer Credit
Applicants with prior college credit must present transcripts indicating all previous work. Students requesting transfer credit must submit official transcripts before credit is awarded. An unofficial transcript may be submitted for evaluation pending receipt of official transcripts. See *Prior Learning Credit* for more information.

Grade Point System and Grade Point Averages
GPAs are computed by dividing total grade points by total credit hours for which grades A, B, C, D and 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.
- A student's 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 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 (see *Prior Learning Credit*).

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 and designators are assigned as follows:

Grade	Percentage Equivalent	Grade Index Points
A	100% to 90.0%	4
B	<90.0% to 80.0%	3
C*	<80.0% to 70.0%	2
D*	<70.0% to 60.0%	1
F	<60.0% to 0.0%	0

Designator	Definition
AU	Course Audit
EX	Exemption
I	Incomplete
IP	In Progress
PLA	Prior Learning Assessment
S	Satisfactory
U	Unsatisfactory
W	Withdrawal (prior to official withdrawal deadline)

* *C and D are not assigned in certain transitional studies and early term courses. In these courses a grade of F is assigned for work below 80 percent. A grade of D is not assigned in certain other such courses, where a grade of F is assigned for work below 70 percent. Course descriptions note the grading system for each course having one of these conditions.*

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 (see *Grade Point System and Grade Point Averages*). Additionally, the F is excluded from the term and semester GPAs for the session and semester in which the F was received.

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 is 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
EX designators signify block transfer credit was awarded (see *Credit for Previous College Coursework – Block Transfer Credit for Eligible Associate Degree Holders*).

Designator of I – Incomplete
An I signifies that required coursework was not completed during the session of enrollment. Designators of I are counted in attempted hours but are not counted in any GPA computations. All required work must be completed and submitted to the professor by Sunday of week two of the subsequent session. The I must be converted to an A, B, C, D, F, S or U by Wednesday of the third week. If course requirements are not satisfied by the deadline, the I is converted to an F. When the 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 recalculated for that session, resulting in different term, semester and cumulative GPAs. A designator of 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 faculty member.
- 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 in order for an incomplete to be granted.

Designator of PLA – Prior Learning Assessment
PLA designators signify proficiency credit award for prior learning assessed via portfolio (see *Prior Learning Assessment*).

Designator of S – Satisfactory
S designators are not used in GPA calculations.

Designator of U – Unsatisfactory
U designators are not used in GPA calculations.

Designator of W – Course Withdrawal
W designators, Withdrawals, appear 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 must contact their student support advisor

or academic advisor, or an appropriate academic administrator. Students may withdraw at any time prior to the withdrawal deadline, which is Friday of week seven at 11:59 pm MT.

Missing Grades
Term GPAs or semester GPAs (when applicable), and academic standing, are not calculated for students with missing grades for the session.

Grade Changes
Grade changes (including 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 final grade from a specific course must contact their professor by Sunday of week four 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 their student support advisor/academic 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 (see *Retroactive Grade Changes*).

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.

Prior Learning Credit
Students with previous college experience may receive credit toward graduation upon the University's evaluation of their college-level credit. As appropriate, DeVry awards credit for prior learning based on:

- Previous college coursework
- Military coursework and training experience
- Prior Learning 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 by contacting ArticulationInfo@devry.edu.

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:

- Critical Thinking and Problem-Solving - COLL148
- The Liberal Arts & Sciences capstone course
- Senior project courses
- Internship courses
- Courses with the CARD prefix

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 percent) or better.

Other restrictions on transfer and proficiency credit may apply, e.g., the transferability of courses may be limited by programmatic accreditation requirements.

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. 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 (see *General Graduation Requirements – All Students*). 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 (see *Grade Point System and Grade Point Averages*).

Students may request a transcript evaluation via www.devry.edu/admissions/college-transfer-students.html. Additionally, DeVry admissions advisors/representatives, student support advisors and academic advisors are available to assist students with transfer credit evaluation requests.

Credit for Previous College Coursework – Block Transfer Credit for Eligible Associate Degree Holders
Applicants admitted to a DeVry bachelor's degree program who hold an associate of arts or associate of science degree from a DeVry-recognized post-secondary institution, and whose cumulative grade point average was at least 2.0 (on a 4.0 scale), may transfer credits earned in the associate degree program to DeVry. This block transfer of credit is provided only when students' chosen bachelor's degree program directly parallels the associate degree and area of specialization.

Students' academic plans at DeVry include courses that must be completed to ensure academic preparedness for the intended program, as well as remaining coursework required in the bachelor's degree program.

Students should note that:

- Block credit awards vary by program and by state.
- Evidence of completion of specific math and English coursework is required from all students. In addition, students enrolled in certain programs must provide evidence of either specific science coursework or portfolio completion.
- Additional coursework may be required to meet prerequisites for upper-level courses in the major and/or to meet state-specific general education credit-hour requirements for degree conferral. Additional coursework may increase program length and financial obligations.
- Course-by-course evaluations are completed for students enrolling in DeVry's Management and Technical Management programs.
- Course-by-course evaluations are completed for international students who hold foreign credentials/transcripts.
- 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 (see *Designator of EX – Exemption*). DeVry admissions advisors/representatives are available to assist students with questions about block transfer credit.

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.

Servicemembers Opportunity Colleges: DeVry University is a part of the Servicemembers Opportunity Colleges (SOC) Degree Network System (DNS). As part of the DNS, DeVry adheres to academic policies intended to support all military students in their academic endeavors toward degree completion.

DeVry's participation in the DNS applies to specific academic programs and may change at any time. Additional information is available from DeVry admissions advisors/representatives and via www.gosoced.org/.

Air University Associate to Baccalaureate Cooperative: 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.

Prior Learning Assessment

DeVry University offers currently enrolled students the opportunity to earn college credit for prior learning through Prior Learning Assessment (PLA). Eligible students complete a prior learning assessment course and submit a prior learning portfolio. Successful portfolios are awarded proficiency credit for a specific DeVry course.

Credit for the challenged course is awarded for demonstrated learning; it is not awarded for experience alone. Submission, evaluation and documentation is administered by DeVry through a course in the LMS. All PLA portfolios must be submitted through this process. The course guides students through preparation, compilation and submission of a PLA portfolio.

PLA Eligibility

To be eligible for PLA credit, students must:

- Demonstrate basic English proficiency in one of the following ways:
  - Standard placement in English by means of DVU-administered testing, eligible ACT or SAT English scores or acceptable grades in qualifying college-level coursework;
  - 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, PLA hours do not count toward the required minimum number of credit hours to be considered full-time.)
- Submit a PLA application to their 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 post-secondary institutions and request transfer credit prior to submitting the PLA application.
- Verify with an SSA that the course(s) for which PLA 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 PLA credit has been awarded.

PLA Policies

Students pursuing PLA credit must adhere to the following University policies:

- The first portfolio must be submitted no later than 90 days after enrolling in the PLA course.
- Prior to submitting each additional portfolio, students must submit a PLA Portfolio Request form to their SSA; Students may submit a portfolio for a maximum of two DeVry courses.
- Students have one attempt to seek PLA credit for each DeVry course.
- Students may not appeal the portfolio review decision.
- Students may not seek PLA credit for:
  - A DeVry University course previously attempted, regardless of the grade or designator assigned to the attempt.
  - A DeVry University course in which they are currently enrolled.
  - A course equivalent to one for which they have already earned credit.
- PLA credit does not waive any prerequisite or corequisite requirements associated with the credited course; prerequisite and corequisite course credits must be earned independently.
- PLA portfolio credit is treated as proficiency credit and does not count toward the residency requirement; the maximum allowable number of PLA credits is two, unless this is further limited by the program residency requirement (see *General Graduation Requirements – All Students*).
- 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 PLA credit. DeVry will not refund the tuition at a later date to students who pay for such a course.

Note: Students enrolled at a Nevada location may receive a maximum of 10 percent of the total semester credit hours required in their degree program through PLA. The maximum for students enrolled at a Texas location is 15 percent.

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 students' transfer credit evaluations. DeVry admissions advisors/representatives, student support advisors and academic 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

Detailed information on applicability of these external standardized exams to students' programs is available at www.devry.edu/admissions/college-transfer-students.html.

Prior Learning Credit – Veterans
Students using veterans benefits are required to submit official transcripts of all prior education and training to DeVry University.

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.

New Jersey Statewide Reverse Transfer Agreement
DeVry University participates in the New Jersey Statewide Reverse Transfer Agreement. Reverse transfers allows 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 their student support advisor for information about eligibility requirements and the process to send their DeVry transcripts to their community college.

Non-GPA Credit
The following appear on students' transcripts but are omitted from GPA calculations:

- Prerequisite skills courses
- Courses graded on a Satisfactory/Unsatisfactory basis
- Zero-credit-hour courses
- Audited courses

If students are required to take such courses, credit is considered when determining students' academic level and progress.

Internal Transfers
Note: Credit transferability may vary based on programmatic accreditation and/or state requirements.

All students intending to transfer from one program and/or DeVry 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.

Program Transfers
A student's first program of study is considered the primary program unless the student submits a program transfer request to the appropriate academic administrator. Students who wish to transfer programs may request to do so at any time; however, they are encouraged to submit a program transfer request as soon as possible. In general, transfers requested by Sunday of the first week of the session are effective that session. Program transfers are not applicable to sessions already completed. Transfers are permitted between sessions and semesters.

Financial aid eligibility for coursework not applicable to the current program may be limited (see *Financial Aid Applicability to Elective and/or Alternate Courses*). Students should contact their 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.

Location Transfers
Students seeking to transfer from one DeVry location to another must file a request to do so with the transfer coordinator at the current site by Sunday of week four of the session before the intended transfer. Location transfers requested by this deadline are effective that session; changes requested after this deadline become effective the following session. Transfers are permitted between sessions and semesters. All grades and credits earned at any DeVry location carry forward to the new site and are evaluated for applicability at that location.

Students transferring locations must fulfill their financial obligations to the location from which they are transferring before transfers are granted. These students must sign a Request for Home Location Change form before beginning classes at the new location. Students on financial aid probation (academic probation) or disciplinary probation remain on probation after the transfer. Those ineligible to continue at the current location because of academic or financial dismissal, or disciplinary suspension or expulsion, may not transfer.

Students considering a transfer within the DeVry system should be aware that hardware, software and other differences exist among DeVry courses and labs system-wide. Specific transfer requirements are available from transfer coordinators.

Note: 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 Student Central 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, continue, or transfer to a particular program, as not all programs may be approved by a state authorization agency. See State Authorization for additional information.

Transfers to Other Educational Institutions
Course credits are not guaranteed to transfer to other schools. Acceptance of credits is subject to the receiving institution's requirements.

Note: DeVry's CARD205, COLL148 and ETHC232 courses are specifically tailored to meet the needs of DeVry students; credits earned in these courses may not transfer in full to other institutions.

Registration and Course Scheduling
Registration is the process of enrolling in and paying for a course. Students are encouraged to register online at https://learn.devry.edu/home. They can also contact their student support advisor/academic 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 high school or baccalaureate academic transcripts 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 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 https://learn.devry.edu/home. 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 their student support advisor or academic 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 enrolled in courses that do not carry credit hours are also considered enrolled less than half time.*

Students who change their enrollment status also change their financial aid status, which may impact eligibility for financial aid.

Note: 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 (see 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 Loads
Students in good standing may register for as many as 12 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 (see *Standards of Academic Progress*). 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 only be taken one additional time and be counted toward the student's enrollment status for federal financial aid purposes. Subsequent attempts will not be counted towards 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 their student support advisor to determine how their financial assistance may be affected.

Note: Certain courses may not be repeated. Course descriptions for such courses note this restriction (*see* Course Descriptions).

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.

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 (see *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 the requirements of the policy should contact their professor or an academic dean as soon as possible.

Nonmatriculated 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 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.
- In an onsite course, an academic event is attending/participating 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 and onsite 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 7 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 for 14 consecutive calendar days.

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 7-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 withdrawn for violating the academic engagement policy who have extraordinary and documented circumstances may request reinstatement by providing a written request to an appropriate academic administrator.

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 (see *Standards of Academic Progress*).

Payment Period
The payment period is a period of enrollment for Title IV purposes. The payment period at DeVry is the student-centric period (see *Student-Centric Period* which is the student's semester.

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.

Withdrawal from a Course
Students may withdraw from a course by making a formal request. Withdrawal requests must be communicated to a student support advisor or academic advisor, or to an appropriate academic administrator, verbally, by email or by submitting a request through the interactive student communication system. Students who inquire about a withdrawal are contacted to confirm their intention to withdraw. Students inquiring about withdrawing who cannot be reached, or who do not respond, regarding their inquiry are withdrawn from their course if they have not academically engaged in the course in accordance with DeVry's academic engagement policy (see *Academic Engagement*). In addition, withdrawal requests for students who attend a blended or onsite course, or who participate in an online course, after submitting and/or confirming a withdrawal request are considered to have revoked their withdrawal request.

Students withdrawn from *all* courses because of lack of academic engagement are dropped from courses in which they are enrolled for future sessions.

The withdrawal deadline is 11:59 pm MT on Friday of week seven. Withdrawal is not allowed after this time.

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 (not allowed in Pennsylvania)

Religious Holiday Observance
In support of students' observance of their religious holidays, DeVry University has developed the Religious Holiday Observance policy. 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.

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 eight 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.

Military Withdrawal
Active Duty, Reserve and National Guard students deployed or participating in required training for more than 14 consecutive days are granted special consideration.

The student or designated officer in the student's chain of command must notify the student's student academic support advisor/academic advisor or registrar of a deployment situation that would require special consideration. For additional information contact a student support/academic advisor. A brief overview of the DeVry University Military Deployment policy is available at is available at www.devry.edu/d/military-deployment-policy.pdf.

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 in person 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. Students should reapply at least six weeks prior to the intended class start date.

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.

Academic Honors
An eligible matriculated student achieving an SGPA of 3.50 or higher is named to the Dean's List, provided the student's SGPA calculation includes at least six credit hours of completed coursework. However, a grade of D, F or I, a designator of U, or financial aid warning (academic warning) or financial aid probation (academic probation) status in any semester makes a student ineligible for honors in that semester. Dean's List eligibility is determined at the end of each student's semester/student-centric period.

An honors graduate from a baccalaureate program is eligible for one of the following recognitions:

Title	CGPA
Cum Laude	3.50–3.69
Magna Cum Laude	3.70–3.89
Summa Cum Laude	3.90–4.00

A graduate from a nonbaccalaureate program who has a CGPA of at least 3.50 graduates “with Honors.”

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 as a DeVry undergraduate. 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 their student support advisor or academic 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 (see *Academic Appeal*). 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.

- ***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.

  a) 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.

  b) A student who does not return to good standing is dismissed.

- ***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.

  a) 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.

b) 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.

c) 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.

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 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 two 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 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.

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.

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 *Standards of Academic Progress*. 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, see *Requirements for Students Starting the Semester on Financial Aid Warning (Academic Warning) or Financial Aid Probation (Academic Probation*. 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 chief location administrator/academic 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.

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
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. If the degrees are stackable within the same program, students can pursue the degrees simultaneously.

Students 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.

Note:
- *Students may not pursue more than one bachelor's degree in engineering technology.*
- *Students are limited to earning certificates that do not require the same courses included in a prior certificate unless it is an advanced certificate building off of an entry-level certificate (e.g., MBC and MBC-HIC).*

General Graduation Requirements – All Students
To graduate, a student must:

- Achieve a CGPA of at least 2.00.
- Satisfactorily complete all curriculum requirements.
- Meet the residency requirement of the program, which is:
  - 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 requirements may be imposed for internal or external transfer students. 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. Active-duty military students must earn at least 25 percent of the program's required credit hours through coursework completed at DeVry and 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.

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 two 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.

In addition, the State of Nevada requires students to meet its requirement for study of the State of Nevada and U.S. constitutions. Students should see their academic administrator for details on options for meeting this graduation requirement.

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.

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

Commencement Ceremonies
Graduation ceremonies are generally held at the end of the spring and fall semesters. Dates vary by location. Students may participate in a ceremony prior to satisfying all graduation requirements as long as they have no more than eight (8) credit hours remaining in a certificate program or no more than two sessions remaining in an associate or bachelor's degree program.

Separate graduation ceremonies are not held for online students; however, such students may attend a University commencement ceremony held anywhere in the country.

More information about commencement ceremonies is available from a student support advisor/academic advisor.

Note: To officially graduate from DeVry University, students must satisfy all academic requirements for their specific program. Participation in a commencement ceremony is not a guarantee or indication of program completion.

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 educational goals and onsite/online class 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 more than 14 consecutive days. For this policy, qualifying service in the U.S. Armed Forces includes the following: active duty, active duty for training, or full-time National Guard duty under federal or state authority.

Tuition

Tuition rates shown in the *tuition charts* are included for students enrolling during the July 2021 through May 2022 sessions, 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 one of DeVry's payment options (see *Payment Options*). 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; any increase will be announced within a reasonable timeframe of at least 30 days before the beginning of the effective term. Tuition will not be increased more than once in a calendar year for Oregon residents.

Tuition charges are calculated each session per credit hours enrolled. Within each session, non-matriculated students and students enrolled in degree and certificate programs are charged $514[1] per credit hour.

Tuition for all coursework 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 are limited to participation 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. Students who qualify for and prefer a different grant or group pricing program must provide written confirmation, prior to starting classes at DeVry, of the alternate program in which they wish to participate. In the rare case when grant or group tuition pricing programs are combinable, students are made aware of this opportunity 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. Textbooks and all other fees are charged at the standard rate. Additional information and requirements are available from DeVry admissions advisors/representatives.

Alumni Benefit

The application fee is waived for alumni who hold a DeVry University bachelor's and/or master's degree, as well as for their family members who enroll in undergraduate programs. Textbooks, course materials and other fees are charged at the applicable rate. Additional information and requirements are available from DeVry admissions advisors/representatives.

Note: Alumni who hold a DeVry University undergraduate certificate are not eligible for this benefit.

[1] Non-TechPath and Fixed Tuition Promise students who enrolled prior to May 2020 follow the tuition rate of their catalog of enrollment. TechPath students will remain at the current prevailing rate.

Expenses
Note: DeVry reserves the right to change fees and charges at any time without notice. DeVry receives administrative and service fees from the supplier of graduation regalia 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. Fees and charges will not be increased more than once in a calendar year for Oregon residents.

Challenge Exam
A charge of $5 per credit hour is assessed for challenge exams.

Course Resource
A non-refundable fee of $60 per course is charged to cover expenses associated with tutorials, simulations, study guides, electronic book hosting and access to online library technologies. The course resource fee will be refunded in accordance with state requirements, if applicable.

Electronic Book
The electronic book fee is generally non-refundable. Students enrolled in courses in which an electronic textbook is used are charged $40 for the e-book. Students enrolled in a course using multiple electronic textbooks are charged only one $40 fee. Students enrolled in courses using electronic textbooks but who decline the e-book provided by DeVry can request a credit of $40 for the electronic book fee. Students must request such credit for each course by the end of week one of the session and can do so at https://bookstore.devry.edu. Students who order a print textbook, or otherwise print the electronic textbook, are not eligible for the $40 electronic book fee credit.

Learning Management
New and readmitted students are subject to a one-time per enrollment Learning Management System (LMS) access fee of $400. The LMS is a virtual classroom environment designed to elevate the DeVry learning experience. Whether courses are taken online or onsite, students can easily access course materials, complete assignments and collaborate with faculty and classmates. If a student withdraws from all courses during the session in which the LMS fee was assessed, the LMS fee will be refunded. In such cases, the LMS fee will be assessed in the next session in which the student registers.

Nonsufficient Funds Check
A fee not to exceed $10 is charged for each check returned for any reason.

Official Transcript Request
An electronic transcript is automatically sent to students at no charge upon graduation. Students and alumni are charged $6 for each electronic transcript and $8 for each paper transcript. Students must submit requests for official transcripts via the student portal.

Parking
To park in the University's parking lots at some DeVry locations, students may be charged a nonrefundable fee not to exceed $60 per vehicle, per session. See the Student Services Office for details. Vehicles not authorized for parking may be towed.

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 noncollection 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.

Student Services
A nonrefundable charge of $40 per session is assessed to cover expenses such as those associated with computer hardware and software upgrades; library enhancements; use of – and enhancements to – labs, printers, mobile applications, student portal and email services; student activities and services; and graduation.

Textbooks, Supplies and Specialized Equipment
Costs for textbooks, supplies and specialized equipment vary by program. The average estimated per-session expense for full-time students is:

Program	Average Estimated Per-Session Expense
Cloud Computing Communications Computer Information Systems Cyber Security Engineering Technology (AET & BET) Health Information Technology Information Technology and Networking Information Technology Essentials Internet of Things Justice Administration Management Network and Communications Management Network Systems Administration Networking Essentials Software Development Medical Billing & Coding Medical Billing & Coding-HIT	$175
Accounting Business Business Administration Business Essentials Data Mining & Analytics Engineering Technology (Certificate) Healthcare Administration Multimedia Design & Development Programming Essentials Software Design & Solutions Technical Management Web & Mobile Application Development	$100
Website Design Website Development	$70

Most courses require electronic versions of textbooks, though some courses require hard-copy textbooks. Costs for all textbooks are subject to change based on publishers' prices.

Use of the specified textbook(s) is integral to successful completion of a course. Students can purchase their textbooks (hardcopy or electronic) from an outside source but must purchase those specified by DeVry.

Students enrolled in courses using electronic textbooks but who decline the e-book provided by DeVry can request a credit of $40 for the electronic book fee. Students must request such credit for each course by the end of week one of the session and can do so at https://bookstore.devry.edu. Students who order a print textbook, or otherwise print the electronic textbook, are not eligible for the $40 electronic book fee credit.

For students who want printed textbooks as well as electronic textbooks, black and white, soft-cover printed versions of certain electronic textbooks may be available at an additional cost. These optional printed e-books are equivalent to textbooks. More information is available from the bookstore, at https://bookstore.devry.edu.

Technology and software supplies must be those specified by DeVry.

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*.

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 the F-1 student's responsibility to ensure that all financial obligations are upheld prior to the start of every session and 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.

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 registration 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.

Note: Failure to make the full payment prior to the start of the session will make the F-1 applicant/student ineligible for enrollment in that particular session. Failure to enroll in classes will cause the applicant/student to fall out of status, and may result in the termination of their Student and Exchange Visitor Information System (SEVIS) record.

Transfer-Out Fee for F-1 Students
Beginning from the time of issuance of the Form I-20, F-1 students seeking to transfer from DeVry University to another SEVP-certified institution prior to the completion of their program are charged a **$250 administrative fee**. DeVry University is responsible for overseeing the SEVIS record, which must be transferred when changing schools. The administrative fee applies only to those students seeking an external transfer. Students seeking an internal DeVry University location transfer are not subject to this fee.

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DeVry University Undergraduate Tuition, Fees and Expenses: Matriculated Students, Except Students in California and Onsite Students in New Jersey and Pennsylvania, Effective September 2021 Session Through May 2022 Session

Tuition rates shown are applicable to matriculating students enrolling in sessions beginning September 2021 through May 2022. Within each session, matriculated students are charged at the per-credit-hour tuition rate of $514 for degree and certificate programs as shown below. Nonmatriculated students are also charged $514 per credit hour. Information on tuition rates for military students is contained in the Tuition section of the University's undergraduate academic catalog.

Program[1]	Minimum Credit Hours	Tuition Per Credit Hour	Total Tuition	Fees[2]	Textbook and Equipment Expense[3]	Total Program Cost[4]
Bachelor's Degree Programs						
Accounting	120	$514	$61,680	$3,440	$1,600	$66,750
Business Administration	124	$514	$63,736	$3,440	$1,600	$68,806
Communications	122	$514	$62,708	$3,440	$2,800	$68,978
Computer Information Systems	124	$514	$63,736	$3,440	$2,800	$70,006
Engineering Technology	126	$514	$64,764	$3,440	$2,800	$71,034
Healthcare Administration	126	$514	$64,764	$3,440	$1,600	$69,834
Information Technology and Networking	120	$514	$61,680	$3,440	$2,800	$67,950
Justice Administration	122	$514	$62,708	$3,440	$2,800	$68,978
Management	122	$514	$62,708	$3,440	$2,800	$68,978
Multimedia Design & Development	122	$514	$62,708	$3,440	$1,600	$67,778
Network & Communications Management	124	$514	$63,736	$3,440	$2,800	$70,006
Software Development	120	$514	$61,680	$3,440	$2,800	$67,950
Technical Management	122	$514	$62,708	$3,440	$1,600	$67,778
Associate Degree Programs						
Business	61	$514	$31,354	$1,920	$800	$34,104
Engineering Technology	64	$514	$32,896	$1,920	$1,400	$36,246
Health Information Technology	67	$514	$30,840[5]	$1,920	$1,400	$34,190
Information Technology and Networking	60	$514	$30,840	$2,300	$1,750	$34,920
Network Systems Administration	67	$514	$34,438	$2,300	$1,750	$38,518

[1] Program availability varies by location and delivery method.
[2] Fees include a course resource fee averaging $150 per session, a one-time per enrollment $400 learning management system access fee, and a non-refundable student services charge of $40 per session.
[3] Average estimated per-session textbook and equipment expenses for full-time students are: AEGT, AHIT, AITN, ANSA, BCIS, BCOMMS, BEGT, BITN, BJA, BMGT, BNCM, BSD, CSC, ITE, MBC, MBCH, NET = $175; ABUS, BACC, BBUS, BHCA, BMDD, BTHM, DMA, PRGE, SDS, WMAD = $100; WDES, WDEV = $70.
[4] For matriculating students at current tuition rates, credit hours shown and full-time attendance; includes a $30 application fee; non-refundable student services charge, average estimated course resource fee, one-time per enrollment $400 learning management system access fee and average estimated textbook and equipment expense.
[5] In this program, three required courses (HIT230, HIT272, HIT274) totaling seven credit hours are provided at no tuition charge.

Program[1]	Minimum Credit Hours	Tuition Per Credit Hour	Total Tuition	Fees[2]	Textbook and Equipment Expense[3]	Total Program Cost[4]
Certificate Programs						
Business Essentials	25	$514	$12,850	$1,160	$400	$14,440
Cloud Computing	40	$514	$20,560	$1,540	$1.050	$23.180
Cyber Security	40	$514	$20,560	$1,920	$1,400	$23,910
Data Mining & Analytics	43	$514	$22,102	$1,920	$800	$24,852
Engineering Technology[5]	39	$514	$20,046	$1,540	$600	$22,216
Information Technology Essentials	23	$514	$11,822	$1,350	$875	$14,077
Internet of Things	40	$514	$20,560	$1.540	$1,050	$23,180
Medical Billing & Coding	34	$514	$15,934[6]	$1,350	$875	$18,189
Medical Billing and Coding - Health Information Coding	42	$514	$20,046[6]	$1,540	$1,050	$22,666
Networking Essentials	23	$514	$11,822	$1,350	$875	$14,077
Programming Essentials	22	$514	$11,308	$1,350	$500	$13,188
Software Design & Solutions	42	$514	$21,588	$1,920	$800	$24,338
Web & Mobile Application Development	43	$514	$22,102	$1,920	$800	$24,852
Website Design	36	$514	$18,504	$1,540	$420	$20,494
Website Development	38	$514	$19,532	$1,540	$420	$21,522

[1] Program availability varies by location and delivery method.
[2] Fees include a course resource fee averaging $150 per session, a one-time per enrollment $400 learning management system access fee, and a non-refundable student services charge of $40 per session.
[3] Average estimated per-session textbook and equipment expenses for full-time students are: AEGT, AHIT, AITN, ANSA, BCIS, BCOMMS, BEGT, BITN, BJA, BMGT, BNCM, BSD, CSC, ITE, MBC, MBCH, NET = $175; ABUS, BACC, BBUS, BHCA, BMDD, BTHM, DMA, EGT, PRGE, SDS, WMAD = $100; WDES, WDEV = $70.
[4] For matriculating students at current tuition rates, credit hours shown and full-time attendance; includes a $30 application fee; non-refundable student services charge, average estimated course resource fee, one-time per enrollment $400 learning management system access fee and average estimated textbook and equipment expense.
[5] Students in this program are not eligible for Title IV federal financial assistance or military or veterans education benefits.
[6] In this program, one required three-credit-hour course, HIT230, is provided at no tuition charge.

DeVry University Undergraduate Tuition, Fees and Expenses: Matriculated Students, Students in California, Effective September 2021 Session Through May 2022 Session

Tuition rates shown are applicable to matriculating students enrolling in sessions beginning September 2021 through the May 2022 session. Within each session, matriculated students are charged at the per-credit-hour tuition rate of $514 for degree and certificate programs as shown below. Nonmatriculated students are also charged $514 per credit hour. Information on tuition rates for military students is contained in the Tuition section of the University's undergraduate academic catalog.

Program[1]	Minimum Credit Hours	Tuition Per Credit Hour	Total Tuition	Fees[2]	Textbook and Equipment Expense[3]	STRF[4]	Total Program Cost[5]
Bachelor's Degree Programs							
Accounting	120	$514	$61,680	$3,440	$1,600	$33.50	$66,750
Business Administration	124	$514	$63,736	$3,440	$1,600	$34.50	$68,806
Communications	122	$514	$62,708	$3,440	$2,800	$34.50	$68,978
Computer Information Systems	124	$514	$63,736	$3,440	$2,800	$35.00	$70,006
Engineering Technology	126	$514	$64,764	$3,440	$2,800	$35.50	$71,070
Healthcare Administration	126	$514	$64,764	$3,440	$1,600	$35.00	$69,834
Information Technology and Networking	120	$514	$61,680	$3,440	$2,800	$34.00	$67,950
Justice Administration	122	$514	$62,708	$3,440	$2,800	$34.50	$68,978
Management	122	$514	$62,708	$3,440	$2,800	$34.50	$68,978
Multimedia Design & Development	122	$514	$62,708	$3,440	$1,600	$34.00	$67,778
Network & Communications Management	124	$514	$63,736	$3,440	$2,800	$35.00	$70,006
Software Development	120	$514	$61,680	$3,440	$2,800	$34.00	$67,950
Technical Management	122	$514	$62,708	$3,440	$1,600	$34.00	$67,778
Associate Degree Programs							
Business	61	$514	$31,354	$1,920	$800	$17.00	$34,104
Engineering Technology	64	$514	$32,896	$1,920	$1,400	$18.00	$34,264
Health Information Technology	67	$514	$30,840[6]	$1,920	$1,400	$17.50	$34,208
Information Technology and Networking	60	$514	$30,840	$2,300	$1,750	$17.50	$34,920
Network Systems Administration	67	$514	$34,438	$2,300	$1,750	$19.50	$38,518

[1] Program availability varies by location and delivery method.
[2] Fees include a course resource fee averaging $150 per session, a one-time per enrollment $400 learning management system access fee, and a non-refundable student services charge of $40 per session.
[3] Average estimated per-session textbook and equipment expenses for full-time students are: AEGT, AHIT, AITN, ANSA, BCIS, BCOMMS, BEGT, BITN, BJA, BMGT, BNCM, BSD, CSC, ITE, MBC, MBCH, NET = $175; ABUS, BACC, BBUS, BHCA, BMDD, BTHM, DMA, PRGE, SDS, WMAD = $100; WDES, WDEV = $70.
[4] The Student Tuition Recovery Fund (STRF) is a non-refundable California state-imposed assessment. DeVry University will collect the fee from students and remit the annual fee on behalf of California residents who enroll at DeVry University.
[5] For matriculating students at current tuition rates, credit hours shown and full-time attendance; includes a $30 application fee; non-refundable student services charge, average estimated course resource fee, one-time per enrollment $400 learning management system access fee and average estimated textbook and equipment expense.
[6] In this program, three required courses (HIT230, HIT272, HIT274) totaling seven credit hours are provided at no tuition charge.

Program[1]	Minimum Credit Hours	Tuition Per Credit Hour	Total Tuition	Fees[2]	Textbook and Equipment Expense[3]	STRF[4]	Total Program Cost[5]
Certificate Programs							
Business Essentials	25	$514	$12,850	$1,160	$400	$7.00	$14,440
Cloud Computing	40	$514	$20,560	$1,540	$1.050	$11.50	$23.180
Cyber Security	40	$514	$20,560	$1,920	$1,400	$12.00	$23,910
Data Mining & Analytics	43	$514	$22,102	$1,920	$800	$12.50	$24,852
Engineering Technology[6]	39	$514	$20,046	$1,540	$600	$11.00	$22,227
Information Technology Essentials	23	$514	$11,822	$1,350	$875	$7.00	$14,077
Internet of Things	40	$514	$20,560	$1.540	$1,050	$11.50	$23,180
Medical Billing & Coding	34	$514	$15,934[7]	$1,350	$875	$9.00	$18,189
Medical Billing and Coding - Health Information Coding	42	$514	$20,0467	$1,540	$1,050	$11.50	$22,666
Networking Essentials	23	$514	$11,822	$1,350	$875	$7.00	$14,077
Programming Essentials	22	$514	$11,308	$1,350	$500	$6.50	$13,188
Software Design & Solutions	42	$514	$21,588	$1,920	$800	$12.00	$24,338
Web & Mobile Application Development	43	$514	$22,102	$1,920	$800	$12.50	$24,852
Website Design	36	$514	$18,504	$1,540	$420	$10.00	$20,494
Website Development	38	$514	$19,532	$1,540	$420	$11.00	$21,522

[1] Program availability varies by location and delivery method.
[2] Fees include a course resource fee averaging $150 per session, a one-time per enrollment $400 learning management system access fee, and a non-refundable student services charge of $40 per session.
[3] Average estimated per-session textbook and equipment expenses for full-time students are: AEGT, AHIT, AITN, ANSA, BCIS, BCOMMS, BEGT, BITN, BJA, BMGT, BNCM, BSD, CLC, CSC, IOT, ITE, MBC, MBCH, NET = $175; ABUS, BACC, BBUS, BUSE, BHCA, BMDD, BTHM, DMA, EGT, PRGE, SDS, WMAD = $100; WDES, WDEV = $70.
[4] The Student Tuition Recovery Fund (STRF) is a non-refundable California state-imposed assessment. DeVry University will collect the fee from students and remit the annual fee on behalf of California residents who enroll at DeVry University.
[5] For matriculating students at current tuition rates, credit hours shown and full-time attendance; includes a $30 application fee; non-refundable student services charge, average estimated course resource fee, one-time per enrollment $400 learning management system access fee and average estimated textbook and equipment expense.
[6] Students in this program are not eligible for Title IV federal financial assistance or military or veterans education benefits.
[7] In this program, one required three-credit-hour course, HIT230, is provided at no tuition charge.

DeVry University Undergraduate Tuition, Fees and Expenses: Matriculated Onsite Students in New Jersey, Effective September 2021 Session Through May 2022 Session

Tuition rates shown are applicable to students enrolling in sessions beginning in September 2021 through May 2022. Within each session, matriculated students are charged at the per-credit-hour tuition rate of $514 for degree programs as shown below. Nonmatriculated students are also charged $514 per credit hour. Information on tuition rates for military students is contained in the Tuition section of the University's undergraduate academic catalog.

Program[1]	Minimum Credit Hours[2]	Tuition Per Credit Hour	Total Tuition	Fees[3]	Textbook and Equipment Expense[4]	Total Program Cost[5]
Bachelor's Degree Programs						
Business Administration	133	$514	$68,362	$3,440	$1,600	$73,432
Computer Information Systems	130	$514	$66,820	$3,440	$2,800	$73,090
Multimedia Design & Development	127	$514	$65,278	$3,440	$1,600	$70,348
Network & Communications Management	133	$514	$68,362	$3,440	$2,800	$74,632
Technical Management	127	$514	$65,278	$3,440	$1,600	$70,348
Associate Degree Programs						
Network Systems Administration	70	$514	$35,980	$2,300	$1,750	$40,060

[1] Program availability varies by location.
[2] Includes credit hours required in Personal and Professional Development courses, which are awarded institutional credit only.
[3] Fees include a course resource fee averaging $150 per session, a one-time per enrollment $400 learning management system access fee and a non-refundable student services charge of $40 per session.
[4] Average estimated per-session textbook and equipment expenses for full-time students are: ANSA BCIS, BNCM = $175; BBUS, BMDD, BTHM = $100.
[5] For matriculating students at current tuition rates, credit hours shown and full-time attendance; includes a $30 application fee; non-refundable student services charge, learning management system access fee, average estimated course resource fee, and average estimated textbook and equipment expense.

DeVry University Undergraduate Tuition, Fees and Expenses: Matriculated Onsite Students in Pennsylvania, Effective September 2021 Session Through May 2022 Session

Tuition rates shown are applicable to students enrolling in sessions beginning in September 2021 through May 2022. Within each session, matriculated students are charged at the per-credit-hour tuition rate of $514 for degree programs as shown below. Nonmatriculated students are also charged $514 per credit hour. Information on tuition rates for military students is contained in the Tuition section of the University's undergraduate academic catalog.

Program[1]	Minimum Credit Hours	Tuition Per Credit Hour	Total Tuition	Fees[2]	Textbook and Equipment Expense[3]	Total Program Cost[4]
Bachelor's Degree Programs						
Business Administration	127	$514	$65,278	$3,440	$1,600	$70,348
Communications	125	$514	$64,250	$3,440	$2,800	$70,520
Computer Information Systems	127	$514	$65,278	$3,440	$2,800	$71,548
Management	125	$514	$64,250	$3,440	$2,800	$70,520
Multimedia Design & Development	125	$514	$64,250	$3,440	$1,600	$69,320
Network & Communications Management	127	$514	$65,278	$3,440	$2,800	$71,548
Technical Management	125	$514	$64,250	$3,440	$1,600	$69,320
Associate Degree Programs						
Network Systems Administration	70	$514	$35,980	$2,300	$1,750	$40,060

[1] Program availability varies by location.
[2] Fees include a course resource fee averaging $150 per session, a one-time per enrollment $400 learning management system access fee and a non-refundable student services charge of $40 per session.
[3] Average estimated per-session textbook and equipment expenses for full-time students are: ANSA BCIS, BNCM = $175; BBUS, BMDD, BTHM = $100.
[4] For matriculating students at current tuition rates, credit hours shown and full-time attendance; includes a $30 application fee; non-refundable student services charge, learning management system access fee, average estimated course resource fee, and average estimated textbook and equipment expense.

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 (see *Payment Options*).

The first step in 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 by going to https://studentaid.ed.gov/sa/fafsa and should be completed as early as possible each year.

The FAFSA® becomes available every October 1st. Students are encouraged to apply for financial aid every year by the priority deadline of March 1st. If the priority deadline is not met, students may still apply until June 30 of that academic year. Funding may be exhausted for certain aid programs as it is awarded on a first come, first served basis. For 2020-2021 Federal and State Aid specific deadlines visit studentaid.ed.gov.

Students should complete the 2021-2022 FAFSA® using 2019 Income Tax Information and the 2022-2023 FAFSA® using 2020 Income Tax Information.

FAFSA information is used to determine the expected family contribution (EFC), and eligibility for federal and state financial aid. Financial aid eligibility is calculated by subtracting the EFC from the total estimated educational expenses.

Assistance packages are developed using information from the FAFSA and any supplemental documents. Contributions from student and family income and assets are 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. The following requirements must be met in order for awards to be disbursed:

- 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 the first week of classes. Disbursement is based on each student's account information. More information is available via the Student Finance tab on https://learn.devry.edu/home.

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 to determine if their financial aid will be affected prior to registering for the course.

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
The federal government requires DeVry to verify the accuracy of information on certain federal student aid applications. Selected applicants must submit requested documentation before awarded need based aid is disbursed. Students and parents of dependent students, may be required to submit a copy of their prior-year federal income tax documentation and additional household information. Other documents may also be required. If information on any of the documents conflicts with what was reported on the application, students may be required to provide additional information to resolve the conflict. Failure to do so will result in loss or nonreceipt of need based aid.

Financial Aid Applicability to Elective and/or Alternate Courses
Students receiving financial aid are expected to enroll in courses that meet requirements within their academic program and should note that 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 that all borrowers complete loan exit counseling for their Federal Direct and/or Federal Perkins Loans. Students must complete loan exit counseling when they are graduating, leaving DeVry or enrolling for fewer than six credit hours. Loan exit counseling notifications are provided to all identified students. The University will contact student borrowers via email or postal mail to advise them on how to complete loan exit counseling.

Federal Student Aid Programs
There are three categories of federal financial assistance: grants, loans and Federal Work-Study.

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 post-secondary 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 at www.devry.edu.

Applicants who are incarcerated, and students who become incarcerated, must immediately report this information to a student support advisor.

Federal Pell Grants
Federal Pell Grants help fund post-secondary education for undergraduate students who have not previously earned bachelor's degrees. For many students, these grants provide a foundation of financial aid to which aid from other sources may be added. The maximum grant for the 2021–2022 award year is $6,495.

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 term. More information is available from a DeVry student support advisor.

Federal Supplemental Educational Opportunity Grants
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, or for nonprofit agencies or for-profit businesses. DeVry helps eligible students locate jobs; certain restrictions apply. Unlike traditional sources of income, FWS earnings are exempt from the subsequent year's expected family contribution calculations. Students must complete the FAFSA® to be considered for FWS funds.

FAFSA® is a registered trademark of the U.S. Department of Education.

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 that is subtracted from the value of each loan disbursement.

For Federal Direct Loans first disbursed between October 1, 2020, and September 30, 2022, the origination fee is 1.057 percent.

For Federal Direct PLUS Loans first disbursed between October 1, 2020, and September 30, 2022, the origination fee is 4.228 percent.

Additional information on interest rates and loan fees for Federal Direct Loans 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 amount 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 – from subsidized and unsubsidized Federal Direct Loans. The table below includes information for subsidized and unsubsidized Federal Direct Loans and includes the amounts per grade level and lifetime loan limits. The interest rate for both subsidized and unsubsidized undergraduate Federal Direct Loans first disbursed on or after July 1, 2021, and before July 1, 2022, is fixed at 3.73 percent. Students begin repaying the loan(s) 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 lender(s) to establish repayment schedules.

Grade Level	Subsidized*	Unsubsidized	Combined Subsidized and Unsubsidized per Academic Year	Lifetime Loan Limits
Dependent Students				
Freshman	$3,500	$2,000	$5,500	$31,000 ($23,000 subsidized)
Sophomore	$4,500	$2,000	$6,500	
Junior & Senior	$5,500	$2,000	$7,500	
Independent Students and Dependent Students with PLUS Denial				
Freshman	$3,500	$6,000	$9,500	$57,500 ($23,000 subsidized)
Sophomore	$4,500	$6,000	$10,500	
Junior & Senior	$5,500	$7,000	$12,500	
Graduate	0	$20,500	$20,500	$138,500

*Subsidized Loans are need based

Students must notify a DeVry student support advisor and their lender(s) of a change in local or permanent address.

Federal Direct PLUS Loans (Parent Loans)
These loans allow parents of students who are dependent by federal definition to borrow a maximum of educational costs less financial aid per academic year (two semesters). The interest rate for Direct PLUS Loans first disbursed on or after July 1, 2021, and before July 1, 2022, is fixed at 6.28 percent. Repayment begins within 60 days after the loan is fully disbursed.

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.

New Jersey Tuition Aid Grants
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 Tuition Aid Grants (TAGs) if they attend full time and have not already earned an associate or baccalaureate degree. The 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.

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 will help improve the terms of the loan (i.e., lower the interest rate and any fees charged to the loan). Additional information and application assistance are available from a student support advisor.

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 educational 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 post-secondary institution. Further information is available via www.nationalservice.gov/programs/americorps.

Veterans Benefits
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 veterans benefits coordinator regarding eligibility as far in advance of their scheduled class start date as possible.

The Department of Veteran’s Affairs requires DeVry to have and enforce Standards of Academic Progress, which all students adhere to. Failure to do so may result in loss of benefit eligibility until deficiencies are corrected. Students receiving VA benefits should see *Additional*

Academic Progress Information for Students Receiving Veterans Education Benefits. Questions regarding these requirements should be directed to the University's veterans benefits coordinator.

Note: In Washington, selected programs of study at DeVry University are approved by the Workforce Training and Education Coordinating Board's State Approving Agency (WTECB/SAA) for enrollment of those eligible to receive benefits under Title 38 and Title 10, USC.

Payment Options
Students who wish to may pay their full account balance in one payment, which is due at the beginning of each session.

Payment plans are available for those who wish to defer payment(s). Those wishing to take advantage of deferred payment(s) must submit a completed payment plan agreement. A new agreement is required should students wish to change plans. Students may choose one of the payment options outlined below.

Further information is available from a DeVry student support advisor. Delinquent payments may result in loss of payment plan privileges and registration holds.

Standard Plan
The Standard Plan provides a monthly payment plan option designed to help students pay for tuition, books and required electronic materials. This plan is developed using students' expected enrollment and financial assistance. Students can self-enroll in this payment plan after tuition has posted for the session and prior to generation of the first bill. The first monthly installment is due 22 days after the first bill is generated. The Standard Plan is a 2-month payment plan and is expected to be paid off by the end of the applicable 8-week session.

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 charges to be deferred until Thursday of week five of the subsequent session. Any additional charges are due 22 days after the first billing statement has been generated.

Direct Bill Plan
Available to students for whom an employer or third party will be paying DeVry directly for tuition and fees, the Direct Bill Plan allows the employer or third party (state, VA, etc.) to delay full payment of tuition and fees until Friday of week seven of the third subsequent session.

As part of the Veterans Benefits and Transition Act of 2018, section 3679 of title 38, effective August 1, 2019 any DeVry University students using a third-party form of payment (i.e. Chapter 33 Post 9/11 GI Bill®[1], Chapter 31 Vocational Rehabilitation 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. DeVry

[1] 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.

University will not impose any penalty, including the denial of access to classes, libraries, or other institutional facilities, or the requirement that a covered individual borrow additional funds.

To enroll in this plan, students must submit documentation of eligibility for the direct billing arrangement offered by their company or the third party.

Acceptable documentation includes:
- Certificate of Eligibility for entitlement to educational assistance under Chapters 33 or 31, or
- A "Statement of Benefits" obtained from the Department of Veterans Affairs' website – www.va.gov, or
- A 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 seven of the third subsequent session – 180 days) when they are in an active or inactive enrollment status.

DeVry Grants
Note: Students are limited to participation 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. Students who qualify for and prefer a different grant or group pricing program must provide written confirmation, prior to starting classes at DeVry, of the alternate program in which they wish to participate. In the rare case when grant or group tuition pricing programs are combinable, students are made aware of this opportunity 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.

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.

General Scholarship and Grant Policies
- Recipients are responsible for all other education expenses.
- Only matriculating students are eligible for scholarship and grant funds.
- Recipients must be U.S. citizens, Canadian citizens or reside within the United States. International students studying on a visa are eligible.
- For students to be eligible for scholarships and grants, applications for such must be received by Saturday, 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 will have their award expired and must reapply for available offerings.
- DeVry scholarship and grant recipients are expected to progress in a timely manner toward completion of the chosen certificate or degree program. The registrar determines continued academic eligibility at the conclusion 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 award recipients.

- To qualify for scholarship and grant funds, students must meet continuing eligibility requirements as outlined in terms and conditions document.
- Recipients must acknowledge receipt of the terms and conditions document pertaining to their specific scholarship and/or grant award. Disbursement of funds may be withheld until receipt of this document is acknowledged in writing and returned by recipients.

High School Programs
DeVry offers three early admission opportunities to qualifying high school students who would like to take college-level courses. Through DeVry University's Advantage Academy, Passport2College, and Start Now, students can jumpstart their college education.

Students may be dual enrolled in both high school and DeVry University when participating in these programs.

DeVry University's Advantage Academy
DeVry University's Advantage Academy enables qualified Chicago Public School students and Georgia students attending Druid Hills High School or Riverdale High School to take college courses—and earn an associate degree in Network Systems Administration—while earning a high school diploma at the same time.

To learn more about admission requirements, contact a location representative.

DeVry University Chicago Campus
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 university environment. Contact an admissions advisor/representative for more details.

Start Now
Qualified applicants who have been accepted to DeVry and are in their senior year or are recent high school graduates may apply to Start Now and begin their DeVry program early as non-matriculating students. Start Now students may enroll in up to two courses at no cost. Contact an admissions advisor/representative for more details.

Opportunity for College Students
We know college is an investment. To help prospective students determine if they are a match for DeVry University's academic environment, we offer a complimentary course through our Bridge2Bachelor's program.

Bridge2Bachelor's
Bridge2Bachelor's offers one complimentary college-level course at DeVry University to qualified students enrolled in an associate's degree program at a qualifying institution. This helps prepare students for the demands of completing a bachelor's degree program and ease the transition to the bachelor's degree level.

To be eligible for the program, students from 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 an admissions advisor/representative for more details.

Cancellations & Refunds

Applicants who do not achieve a satisfactory score on DeVry's placement examination(s) 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 tenth 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.

A student who cannot start on the original class start date must notify an admissions advisor/representative. If the student starts classes within six sessions of the original 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.

Students must make all schedule changes by the end of the first week of a session (add/drop period) to receive a tuition adjustment.

After classes begin, students may withdraw from a course by formally requesting a course withdrawal prior to Friday of week seven at 11:59 pm MT. Students who withdraw are responsible for all outstanding financial obligations. In addition, those receiving federal student loans must complete a loan exit interview with a student support advisor prior to withdrawing.

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. Examples of refund calculations are available from the Student Central Office.

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.

DeVry Refund Policy
At a minimum, refunds are calculated as follows:

Week of Withdrawal	Percent Refund of Tuition Less Administrative Fee*
Week 1	90%
Week 2	75%
Weeks 3	25%
Weeks 4-8	0%

* *The administrative fee is $50 per course.*
Please note: Refund policies vary by state and the most beneficial institutional or applicable state policy will be used to calculate the tuition refund.

Alabama Refund Policy
Students residing in Alabama may cancel enrollment at any time by contacting their student support advisor, academic 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 Refund Policy
Students have the right to cancel their enrollment agreement or withdraw from courses. In the event a student wishes to withdraw or cancel their enrollment agreement, 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 non-refundable (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 non-refundable.

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. Please 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 financial aid programs in certain states. For consumer information, please visit www.devry.edu/compliance/student-consumer-info.html.

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 seven at 11:59pm MST.

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 (60%) percent 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 which 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.
- Non-refundable fees regarding admission and registration of Florida students shall not exceed $150.
    - The application fee of $30 is non-refundable after 10 business days.
    - The student services charge of $40 per session is non-refundable.
    - The Learning Management System (LMS) fee is non-refundable if a student withdraws from all classes after week seven of the session in which the fee was assessed.
    - The course resource fee is non-refundable 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. 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 (25%) percent 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 (25%) percent 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 (100%) percent of all other tuition and other fees collected by the college for subsequent enrollment or registration periods. After completion of fifty (50%) percent 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 of 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 (75%) percent 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 (50%) percent of total tuition and fees paid, excluding any non-refundable 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.

Week of Withdrawal	Percent of Refund Less administrative fee*
Week 1, Day 1 through Week 2, Day 10	75%
Week 2, Day 11 through Week 4, Day 24	50%
Week 4, Day 25 through the end of the session	0%

* The administrative fee will not exceed 15% of tuition.

Maryland Refund Policy
Provided below is the minimum refund policy for Maryland residents enrolled in **online** programs:

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 Administrative Fee*
First Day of scheduled Classes**	100%
Balance of week 1	90%
Week 2	75%
Week 3-4	25%
Weeks 5-8	0%

* The administrative fee is $50 per course.
** Students who cancel their enrollment during this period will also have their financial aid awards cancelled, and any funds received returned to the funding source.

Students who never commence attendance in their course or drop prior to the start of the term are refunded 100% of tuition and fees.

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. 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.

Week of Withdrawal	**Percent of Refund Less administrative fee***
Week 1	80%
Week 2	70%
Week 3	60%
Week 4	50%
Week 5, day 29 through day 33	30%
Week 6, day 34 through end of session	0%

* The administrative fee is $50 per course

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 3-4 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 enrolment as the results 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 (60%) percent 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 ten 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 (60%) percent of the potential units of instruction in the current enrollment period.

Week of Withdrawal	**Percent of Refund**
Week 1, day 1 through day 5	90%
Week 1, day 6 through day 11	80%
Week 2, day 12 through day 16	70%
Week 3, day 17 through day 22	60%
Week 4, day 23 through day 27	50%
Week 5, day 28 through day 33	40%
Week 6, day 34 through end of session	0%

Federal Return of Funds Policy

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 will use 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 will be 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
6. To the Federal Supplemental Educational 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

Regulations

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 non-discrimination applies to admission, enrollment, employment, 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 non-faculty colleagues. Individuals who wish to file a discrimination or harassment complaint may contact the below individuals.

Sex and Gender-Based	Disability	All Other Classifications
Title IX Coordinator TitleIX@devry.edu	ADA/504 Coordinator ADA@devry.edu	Complaint Coordinator Complaint.Coordinator@devry.edu

Title IX Compliance
DeVry University's Title IX Coordinator is responsible for management of reports of sex and gender based discrimination including, but not limited, sexual misconduct affecting the campus community. Questions regarding the application of Title IX and compliance should be directed to the Title IX Coordinator. The Senior Director of Regulatory Affairs may also be contacted as secondary resource, if needed. Students who wish to make a report of sexual misconduct affecting the campus community should follow the student complaint procedures published in the student handbook.

Title IX Coordinator
Paul Herbst
ADA/504 Coordinator
Phone: 630.960.8019
Email: TitleIX@devry.edu

Senior Director, Regulatory Affairs
Barbara Bickett
DeVry University
Phone: 630.515.5852
Email: TitleIX@devry.edu

Individuals experiencing misconduct in violation of Title IX may also notify the U.S. Department of Education:

Office of Civil Rights (OCR) – Headquarters
400 Maryland Avenue, SW, Washington, D.C. 20202
Customer Service: 800.421.3481
TDD: 877.521.2172
Email: OCR@ed.gov
Web: www.ed.gov/ocr
Regional Offices: www2.ed.gov/about/offices/list/ocr/addresses.html

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.

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 http://ope.ed.gov/security.

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, noting in their expressions or demonstrations that they speak for themselves only.

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 student 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.

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 from DeVry admissions staff or by calling 800.73.DEVRY.

Tardiness and Missed Class Time – Site-Based Students
Students enrolled in blended and onsite courses (see *Course Delivery*) 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 conduct administrator assigned to the student's location. 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.

Student Complaint Procedures
In general, all students should first attempt to resolve concerns orally or in writing with the individual(s) most directly connected to their complaints. If that is not appropriate or successful, students attending onsite should direct their concerns to the Location Leader for the location they attend. A student attending online should file their complaint with Student Central. A complaints should be filed by the student as soon as possible so that it can be addressed contemporaneously by DeVry. Online students can contact their student support advisor by calling 877-496-9050 and selecting the option for Student Central.

For all students, complaints involving allegations of disability or sex-based discrimination or harassment should be filed with the Title IX coordinator (see *Title IX Compliance*)
All other complaints of discrimination or harassment should be filed with the Complaint Administrator for the location they attend. The Complaint Administrator may partner with Human Resources when addressing the discrimination or harassment complaint. The student handbook provides additional information on the student complaint procedure.

In compliance with state regulations for Arizona, Florida, Georgia, Illinois, Kansas, Maryland, Nevada, New Mexico, North Carolina, Oregon, Tennessee, Texas and Virginia students with complaints not resolved by the above procedure may file complaints using the following information:

Arizona State Board for Private Postsecondary Education, 1740 W. Adams, 3rd Flr., Phoenix, AZ 85007, 602.542.5709, www.azppse.gov.

Florida Department of Education, Commission for Independent Education, 325 W. Gaines Street, Suite 1414, Tallahassee, FL 32399-0400, cieinfo@fldoe.org, 850.245.3238 (fax), http://www.fldoe.org/policy/cie/file-a-complaint.stml

Georgia Nonpublic Postsecondary Education Commission, 2082 East Exchange Place, Ste. 220, Tucker, GA 30084, 770.414.3300, https://gnpec.georgia.gov/student-complaints.

Illinois Board of Higher Education through the online complaint system http://complaints.ibhe.org/ or by mail to 1 N. Old State Capitol Plaza, Ste. 333, Springfield, IL 62701-1377.

Kansas Board of Regents 1000 SW Jackson St., Ste. 520, Topeka, KS 66612, www.kansasregents.org/academic_affairs/private_out_of_state/complaint_process.

Maryland Attorney General, Consumer Protection Division, 200 St. Paul Street, Baltimore, MD 21202, 410.528.8662 or toll-free telephone number 888.743.0823, http://www.oag.state.md.us/Consumer/complaint.htm

Nevada Commission on Postsecondary Education, 1860 E. Sahara Ave., Las Vegas, NV 89104, www.cpe.nv.gov.

New Mexico Higher Education Department, Private Postsecondary Schools Division, 2044 Galisteo St., Ste. 4, Santa Fe, NM 87505, 505.476.8400,https://hed.state.nm.us/students-parents/student-complaints.

North Carolina Post-Secondary Education Complaints, c/o Student Complaints, University of North Carolina System Office, 910 Raleigh Road, Chapel Hill, NC 27515-2688, or email studentcomplaint@northcarolina.edu.

Oregon Higher Education Coordinating Commission, 255 Capitol St. NE, Salem, OR 97310, 503.378.5690, https://www.oregon.gov/highered/institutions-programs/private/Pages/private-postsecondary-complaints.aspx

Any person claiming damage or loss as a result of any act or practice by this institution that may be a violation of the Title 49, Chapter 7, Part 20 or Rule Chapter 1540-01-02 may file a complaint with the Tennessee Higher Education Commission, Division of Postsecondary State Authorization, Parkway Towers, Ste. 1900, Nashville 37243, 615.741.5293.

Texas Higher Education Coordinating Board (www.thecb.state.tx.us/studentcomplaints) rules governing student complaints in Texas can be found at http://texreg.sos.state.tx.us/public/readtac$ext.ViewTAC?tac_view=5&ti=19&pt=1&ch=1&sch=E&rl=Y.

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., James Monroe Bldg., Richmond, VA 23219 https://www.schev.edu/index/students-and-parents/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®[2] 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.

Students not satisfied with the final disposition of the complaint process may contact the state licensing authority, the University's accreditor or the state attorney general. A list of contact information for state licensing authorities and/or state attorney general offices is located at https://www.devry.edu/compliance/student-complaint-procedure.html.

[2] 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.

DeVry Locations

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

Arizona

Phoenix
2149 W. Dunlap Ave., Phoenix, AZ 85021
602.749.7301

California

Folsom
950 Iron Point Rd., Ste. 100, Folsom, CA 95630
855.577.1494

Long Beach
3880 Kilroy Airport Way, Long Beach, CA 90806
562.427.0861

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

Ontario
2970 E. Inland Empire Boulevard, 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

Sherman Oaks
15301 Ventura Blvd., Bldg. D-100, Sherman Oaks, CA 91403
818.713.8111

Colorado

Westminster
1870 W. 122nd Ave., Westminster, CO 80234
303.280.7400

Florida

The Jacksonville, Miramar, and Orlando campuses feature modern classrooms with appropriate learning technology for our students. Each classroom is equipped with LCD projectors wired to a desktop computer in the classroom for teaching and learning. There are lecture rooms as well as wired classrooms providing adequate space for students to connect their own devices or use a workstation/laptop available in the classroom. All campuses have Wi-Fi internet access throughout the DeVry space. The DeVry University Library is virtual – eBooks, journals, online databases and other resources can be accessed through a single, unified search at devry.edu/library. The Florida campuses are accessible from major streets and highways.

Jacksonville
4887 Belfort Rd., Ste. 400, Jacksonville, FL 32256
904.367.4942
Miramar
3350 SW 148th Ave., Ste. 110, Miramar, FL 33027
954.499.9775
Orlando
7352 Greenbriar Pkwy., Orlando, FL 32819
407.345.2800

Georgia

Alpharetta
555 North Point Center East, Ste. 175, Alpharetta, GA 30022
770.619.3600
Atlanta Cobb
3225 Cumberland Boulevard, Ste 100, Atlanta, GA 30339
770.916.3704
Decatur
1 West Court Square, Ste. 600, Decatur, GA 30030
404.270.2700
Duluth
3505 Koger Blvd., Ste. 100, Duluth, GA 30096
770.381.4400
Stockbridge ***Close Date: December 18, 2021***
675 Southcrest Pkwy., Ste. 100, Stockbridge, GA 30281
678.284.4700

Illinois

DeVry's Illinois locations throughout the Chicagoland area and its surrounding suburbs offer spacious standard and computer classrooms; electronics and network labs; a comfortable learning commons area for study and tutoring; and a vending area. The locations serve both undergraduate and graduate students seeking degree and certificate credentials.

Addison
1221 N. Swift Rd., Addison, IL 60101
630.953.1300
Chicago
1900 W. Lawrence Ave., Ste. 100, Chicago, IL 60640
773.929.8500
Chicago Loop
200 W. Adams Street, Ste. 1950, Chicago, IL 60606
312.372.4900
Gurnee
1325 Tri-State Pkwy., Ste. 120, Gurnee, IL 60031
847.855.2649
Naperville
1200 E. Diehl Rd., Naperville, IL 60563
630.428.9086
Tinley Park
18624 W. Creek Dr., Tinley Park, IL 60477
708.342.3300

Missouri

Kansas City
1310 E. 104th St., Ste. 120, Kansas City, MO 64131
816.943.7300
DeVry's Kansas City location is located south of downtown Kansas City and offers nine spacious standard and computer classrooms; electronics and network labs; a comfortable learning commons area for study and tutoring; and a vending area. The location serves undergraduate and graduate students seeking degree and certificate credentials.

Nevada

Henderson
2490 Paseo Verde Pkwy., Ste. 150, Henderson, NV 89074
702.933.9700
DeVry's Henderson location is located in Green Valley, a resort area just a few miles from Las Vegas. The location offers spacious classrooms, a fully wired computer lab and a comfortable commons area.

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., 12th Flr., Ste. 1200 (Entrance on 34th St.)
New York, NY 10016
212.312.4300
Queens
DeVry College of New York
99–21 Queens Blvd., Rego Park, NY 11374
718.575.7100

North Carolina

Charlotte
2015 Ayrsley Town Blvd., Ste. 109, Charlotte, NC 28273
704.697.1020
Nearby healthcare services are available at Carolinas HealthCare System Pineville, 10628 Park Road, Charlotte, NC, 28210, 704.667.1000

Ohio

Cincinnati
3825 Edwards Rd., Ste. 103, Cincinnati, OH 45209
513.583.5000
Columbus
2 Easton Oval, Ste. 210, Columbus, OH 43219
614.253.1525

Pennsylvania

Ft. Washington
1015 Virginia Dr., Ste. 110, Ft. Washington, PA 19034
215.591.5700
Philadelphia
1800 JFK Blvd., Ste. 200, Philadelphia, PA 19103
215.568.2911

Tennessee

Nashville
301 S. Perimeter Park Dr., Ste. 100, Nashville, TN 37211
615.445.3456

Texas

Irving
4800 Regent Blvd., Ste. 200, Irving, TX 75063
972.929.6777

San Antonio
814 Arion Pkwy., Ste. 120, San Antonio, TX 78216
210.524.5400

Virginia

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

Chesapeake
1317 Executive Blvd., Ste. 130, Chesapeake, VA 23320
757.382.5680

Online

Home Office and Online Administration
1200 E. Diehl Rd.
Naperville, IL 60563
p. 800.231.0497 – Admissions
p. 877.496.9050 f. 877.453.3879 – Student Services
www.devry.edu

Course Locations

A limited number of courses may also be offered at the following locations.

California	Twentynine Palms Marine Air Ground Task Force Training Center 1530 6th St. Twentynine Palms CA 92278
Illinois	UPS Illinois District, Addison 104 S. Lombard Rd., Addison, IL 60101 *Note*: Classes offered only for eligible employees of the UPS Illinois District.
Texas	Austin 316 West 12th Street Austin, TX 78701 512.231.2500

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To ensure that students gain the most relevant education, DeVry University combines the expertise of seasoned education administrators and a nationwide faculty of dedicated professors. Together, these professionals focus squarely on making your academic experience valuable, meaningful and relevant to employers' needs.

Nearly all faculty hold master's degrees, PhDs or other doctorate degrees and bring their passion for teaching to the learning environment every day. Through rigorous training, the University prepares new professors to teach and fully supports *all* faculty in their ongoing dedication to educational excellence. Our professors rely on thorough curriculum guides to present courses and then supplement course delivery with various instructional activities geared toward students' career success.

In addition, to remain current on advances in their fields, many faculty and administrators actively participate in leading industry professional organizations, as well as in organizations dedicated to excellence in education programs and services.

The following pages present University administrators followed by full-time professors teaching within each state, and online. Faculty may teach at the undergraduate or graduate level; often they teach courses at both levels. Information on professors teaching at a specific DeVry University location is available from local staff members.

A comprehensive list of employed visiting professors who teach onsite and/or online is available via www.devry.edu/d/onlinevisitingprof.pdf.

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STATE	LOCATION	ADMINISTRATOR
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MISSOURI	**Kansas City**	**Rohn Benbrook** Dean of Campus & University Partnerships MBA, Keller Graduate School of Management
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PhD, Capella University

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MS, Central Michigan University
EdD, Nova Southeastern University

Richard L. Smith
Professor
MBA, The University of Oklahoma
DSc, Nova Southeastern University

Supplemental Information as of November 1, 2021

DeVry's 2021–2022 U.S. Undergraduate Academic Catalog, Volume XL, is now in effect. The following significant changes have been implemented beginning with the original publication on July 12, 2021. Additions/amendments incorporated since the most recent publication are noted in red and appear at the top of the table below. Because changes/updates can affect the catalog layout, entries in black in the table below may no longer correspond to the page numbers indicated.

Date Change Published	Page(s) on Which Change Appears	Change/Update
11.1.21	14	Information in Cycle 2 of the Academic Calendar was updated.
11.1.21	57-59	Within the College of Engineering & Information Sciences, added Engineering Technology certificate program.
11.1.21	62, 67	Updated information in the General Option section of the Engineering Technology associate degree program and the Technical and Business Selection of the Engineering Technology bachelor's degree program.
11.1.21	174	Within Course Descriptions, the following courses were deleted: CEIS375, CEIS380, CEIS392.
11.1.21	183	Within Course Descriptions, prerequisites were updated for the following courses: ETHC334, HIT272.
11.1.21	199	Within General Information, updated information in Stackable Programs.
11.1.21	235-240	Within Financial Information, tuition and textbook information were updated to reflect the new Engineering Technology certificate programs.
9.7.21	14	Information in Cycle 1 of the Academic Calendar was updated.
9.7.21	21-55	Updated the description of the Electives course area within the business essentials, accounting, business administration and technical management programs.
9.7.21	24-81	The following associate degree programs were updated to add Diversity, Equity and Inclusion (DE&I) courses: business, information technology & networking, network systems administration.
9.7.21	28-135	The following bachelor's programs were updated to add Diversity, Equity and Inclusion (DE&I) courses: accounting, business administration, communications, computer information systems, healthcare administration, information technology & networking, justice administration, management, multimedia design & development, network & communications management, software development, technical management.
9.7.21	57-64	Within the College of Engineering & Information Sciences, added the Engineering Technology associate and bachelor's degree programs.

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9.7.21	75-131	Updated curriculum within the associate degree program in information technology & networking, the bachelor's degree program in computer information systems, and the bachelor's degree program in software development, the bachelor's degree program in healthcare administration, and the bachelor's degree program in communications.
9.7.21	136-163	Within Programs No Longer Accepting New Applicants, added three programs: the associate degree program in electronics & computer technology, the bachelor's degree program in engineering technology – computers and the bachelor's degree program in engineering technology – electronics.
9.7.21	137	Within Programs No Longer Accepting New Applicants, added a tuition chart for the programs in this section.
9.7.21	165-191	Within Course Descriptions, prerequisites were updated for the following courses: ACCT301, BIAM110, BIAM410, CEIS299, CEIS308, CEIS312, CEIS499, HIT203, MATH114, MATH116, NETW191, NETW310, NETW320, PHYS204, SBE430, SEC321, SEC440, WBG310
9.7.21	167-192	Within Course Descriptions, the following courses were deleted: BIOS135, BIOS195, BIOS260, BIOS275, CEIS100, CEIS210, CEIS494, CEIS496, CIS115, CIS206, CIS321, CIS336. CIS339, COMP230, DBM405A, ECET105, ECET110, ECET210, ECET220, ECET230, ECET299, ECET301, ECET310, ECET330, ECET340, ECET345, ECET350, ECET360, ECET365, ECET375, ECET390, ECET402, ECET465, ECET490, ECET492L, ECET493L, ECET494L, ECET497, ECT114, ECT122, ECT125, ECT222, ECT225, ECT246, ECT263, ECT284, MATH103, MATH233, NETW230, NETW240, NETW250, NEWT315, NETW360, NETW410, NETW420, NETW432, NETW440, NETW471, REET300, REET420, REET425, SEC280, SEC370, SUST310, WBG450, WEB320, WGD232
9.7.21	167-190	Within Course Descriptions, the following new courses were added: BIOS205, BMET314, BMET316, BMET318, CEIS308, CEIS310, ECT226, ECT345, ETHC334, HIT274, HUMN304, REET302, REET322, REET326, SEC380, SPCH276, SUST210
9.7.21	171-189	Within Course Descriptions, course descriptions were updated for the following courses: CEIS299, CEIS392, HIT274, MATH062, SEC380.
9.7.21	195	Within General Information, updated information in Elective and/or Alternate Courses.
9.7.21	196	Within General Information, updated information in Stackable Programs.
9.7.21	197	Within General Information, updated information in Embedded Programs.
9.7.21	197-198	Within General Information, added a section on Diversity, Equity and Inclusion (DE&I) Coursework
9.7.21	232-239	Within Financial Information, tuition and textbooks were updated to reflect new programs.

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9.7.21	240	Within Financial Assistance, updated information about the FAFSA.
9.7.21	245	Within Financial Assistance, updated information about the Standard Plan.
7.12.21	14	Information in Cycle 2 of the Academic Calendar was updated.
7.12.21	30-119	Curriculum was updated within the following bachelor's degree programs: Business Administration, Computer Information Systems, Engineering Technology – Computers, Engineering Technology – Electronics, Information Technology & Networking, Management, Multimedia Design & Development, Software Development, and Technical Management.
7.12.21	56-126	Curriculum was updated within the following associate degree programs: Electronics & Computer Technology, Health Information Technology, and Information Technology & Networking.
7.12.21	94-115	Curriculum was updated within the following certificate programs: Data Mining & Analytics, Programming Essentials, Software Design & Solutions, Web & Mobile Application Development, Website Design, Website Development.
7.12.21	153-184	Within Course Descriptions, prerequisites were updated for the following courses: ACCT436, CEIS110, CEIS200, CEIS236, CEIS295, CEIS299, CEIS320, CEIS420, CIS321, CIS336, CIS355A, CIS363B, ECET230, ECT262, SEC440, WGD235, WGD242, WGD251.
7.12.21	154-170	Within Course Descriptions, the following new courses were added: BIAM110, CEIS140, CEIS209, CEIS301, HIT274.
7.12.21	159-170	Within Course Descriptions, the following courses were deleted: CIS170C, CIS247C, HIT272L
7.12.21	220, 225-230	Within Financial Information, Tuition was updated to reflect the new academic year.
7.12.21	233-234	Information within Financial Assistance was updated for the 2021-2022 award year.