2025-2026 Academic Catalog

UNDERGRADUATE EDUCATION

Volume XLIV

Original publication date: July 21, 2025
Current publication date: July 21, 2025

DeVry University

In New York State, DeVry University and its Keller Graduate School of Management operate as DeVry College of New York.

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Volume XLIV; effective July 21, 2025 through July 31, 2026. Information updated on or after July 21, 2025, including additions and amendments, is available via DeVry's academic catalog web page. 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 W. Elm St., Greenwich, CT 06830, 630.799.0400. DeVry University operates as DeVry College of New York in New York.

Program availability varies by location and delivery method. 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 July 21, 2025.

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

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Message from the President

Dear Student,

Welcome to DeVry University! As you make this significant investment in yourself and in your education and career goals, I hope you do so with immense pride. Whether transferring from community college; attending part time or full time while managing family and other commitments; or returning to school to reskill or upskill, building your future is exciting. Rest assured; DeVry will be with you every step of the way.

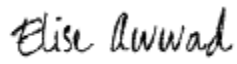
Our founder, Dr. Herman DeVry, believed visual learning would advance education and change the world. In inventing a portable movie projector, Dr. DeVry expanded the reach of film to classrooms; in 1931, classrooms would begin bearing his name, as he established what's known today as DeVry University. We proudly continue his legacy of providing technology-focused, applications-oriented education. Throughout their careers, hundreds of thousands of DeVry alumni – many the first in their families to attend college, many the latest in generations of family members calling DeVry home – have applied their education to enhance their lives, businesses and communities. Our graduates have, as Dr. DeVry predicted, changed the world.

The following pages highlight the diverse academic programs and student services upon which DeVry University has built its reputation. Further supporting DeVry's commitment to education excellence is institutional accreditation from the Higher Learning Commission[1] and from diverse programmatic accreditors. I invite you to learn more about this accreditation, which guides us – always – in doing what's best for students.

Fitting school into your busy schedule isn't easy; DeVry's online and blended/hybrid learning options, and six start dates a year, help. Among the many benefits of DeVry University is learning from professors – never teaching assistants – who infuse their business and industry experience into our eight-week courses. Exceptional student care is another hallmark of DeVry. As you progress through your studies, I'm confident you'll find DeVry offers a nurturing environment in which to challenge yourself, gain new skills, and build lasting friendships and mentor relationships.

As president of DeVry, my top priority is building a university that delivers the education experience you want while helping catalyze the future you envision. We're grateful to assist you in advancing your ambition and confident you're going places. Enjoy the journey.

Sincerely,



Elise Awwad
President and CEO, DeVry University

[1] DeVry University is accredited by the Higher Learning Commission (HLC), https://www.hlcommission.org. The University's Keller Graduate School of Management is included in this accreditation. HLC 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: Higher Learning Commission, 230 S. LaSalle St., Ste. 7-500, Chicago, IL 60604, 800.621.7440, https://www.hlcommission.org.

Mission, Accreditation & State Authorization

Mission

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

Institutional Accreditation

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

Higher Learning Commission

DeVry University[1] is accredited by the Higher Learning Commission (HLC), https://www.hlcommission.org. The University's Keller Graduate School of Management is included in this accreditation.

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

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

Council for Higher Education Accreditation

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

Programmatic Accreditation and Recognition

ABET

CAC of ABET

The following programs are accredited by the Computing Accreditation Commission of ABET (CAC of ABET), https://www.abet.org:

- **Bachelor of Science in Information Technology and Networking:** All institution locations with ABET-accredited programs
- **Bachelor of Science in Software Development:** All institution locations with ABET-accredited programs

[1] **In New York State, DeVry University operates as DeVry College of New York.**

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

- **Associate of Applied Science in Engineering Technology:** Online
- **Bachelor of Science in Engineering Technology:** Online
- **Bachelor of Science in Biomedical Engineering Technology:** Chicago, Columbus, Decatur, Irving, Iselin, Midtown Manhattan, Newark, Phoenix
- **Bachelor of Science in Computer Engineering Technology:** Arlington, Chicago, Columbus, Decatur, Irving, Midtown Manhattan, Newark, Ontario, Orlando, Phoenix, Sherman Oaks (Encino)
- **Bachelor of Science in Electronics Engineering Technology:** Arlington, Chicago, Columbus, Decatur, Irving, Iselin, Midtown Manhattan, Newark, Ontario, Orlando, Phoenix,
- **Bachelor of Science in Engineering Technology – Computers:** Online

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

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

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

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 Business Management (formerly known as Bachelor of Science in Management) with a specialization in Accounting; Bachelor of Science in Technical Management with a specialization in Accounting.

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

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

Students successfully completing one of these programs with the associated specialization/track are issued a certificate of achievement signifying completion of a program with CAE-CD

designation. The certificate also indicates the curriculum meets rigorous standards for cybersecurity education and the student has completed all coursework needed to meet those standards.

CAHIIM

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

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

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

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

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

GAC

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

NICCS

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

PMI ATP

The Project Management Institute (PMI) has recognized DeVry University as a Premier level Authorized Training Partner (ATP), committed to enhancing the ongoing professional development of PMI members, PMI credential holders and other project management stakeholders through appropriate learning activities and products. As a Premier level ATP, DeVry abides by established operational and educational criteria, and is authorized to teach

project management exam preparation courses. Details are available via https://www.pmi.org/learning/authorized-training-partners.

SHRM

The Society for Human Resource Management (SHRM) has acknowledged that the following programs align with SHRM's *HR Curriculum Guidebook and Templates*: Business Administration, with Human Resource Management major/concentration; Business Management (formerly known as Bachelor of Science in Management), with Human Resource Management concentration; Technical Management, with Human Resource Management technical specialty. SHRM developed the HR Curriculum Guidebook and Templates to define the minimum HR content areas that should be studied by HR students at the undergraduate and graduate levels. The SHRM Human Resource Curriculum Guidelines are part of SHRM's Academic Initiative to define HR education standards taught in university business schools and help universities develop degree programs that follow these standards. More information on SHRM is available at https://www.shrm.org.

State Relocation Notice, and State and Distance Education Authorizations

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

State Relocation Notice

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

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

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

State and Distance Education Authorizations

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

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

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

- **California:** DeVry is a private institution approved to operate by the California Bureau for Private Postsecondary Education. Approval to operate means the institution is compliant with the minimum standards contained in the California Private Postsecondary Education Act of 2009 (as amended) and Division 7.5 of Title 5 of the California Code of Regulations. DeVry also holds Registration of Out of State Institution for distance education from the Bureau. For additional information, please visit the Bureau's website, https://www.bppe.ca.gov. Any questions a student has regarding this catalog that have not been satisfactorily answered by the institution may be directed to the Bureau at 1747 N. Market Blvd., Ste. 225, Sacramento, CA; 888.370.7589 (fax: 916.263.1897). **Notice to Prospective Students:** As a prospective student, you are encouraged to review this catalog before signing an enrollment agreement. You are also encouraged to review the School Performance Fact Sheet, which must be provided to you before signing an enrollment agreement. The Office of Student Assistance and Relief is available to support prospective students, current students, or past students of private postsecondary educational institutions in making informed decisions, understanding their rights, and navigating available services and relief options. The office may be reached by calling 888.370.7589, option 5, or by visiting https://osar.bppe.ca.gov.
- **Florida:** DeVry is licensed by the Commission for Independent Education, Florida Department of Education. Additional information regarding this institution may be obtained by contacting the Commission at 325 W. Gaines St., Ste. 1414, Tallahassee, FL 32399, toll-free telephone number 888.224.6684.
- **Georgia:** DeVry is authorized under the Nonpublic Postsecondary Educational Institutions Act of 1990, by the Georgia Nonpublic Postsecondary Education Commission, 2082 E. Exchange Pl., Ste. 220, Tucker, GA 30084, 770.414.3300.
- **Illinois:** DeVry is authorized to operate and grant degrees by the Illinois Board of Higher Education, 1 N. Old State Capitol Plaza, Ste. 333, Springfield, IL 62701, 217.782.2551. To report unresolved complaints to the Illinois Board of Higher Education visit their web page at https://complaints.ibhe.org.
- **Nevada:** DeVry is licensed to operate in the state of Nevada by the Nevada Commission on Postsecondary Education, 2800 E. St. Louis 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. **Notice to students**: In the event of a disorderly closure, the institutional debt shall be void and shall not be recovered, collected or enforced.
- **New York:** DeVry has received permission to operate its academic programs in New York from the University of the State of New York Board of Regents/The State Education Department, 89 Washington Ave., 5 North Mezzanine, Albany, NY 12234, 518.474.2593.
- **Ohio:** DeVry holds Certificate of Authorization by the Ohio Department of Higher Education, 25 S. Front St., Columbus, OH 43215, 614.466.6000.
- **Texas:** DeVry is authorized to grant degrees by the Texas Higher Education Coordinating Board, P.O. Box 12788, Austin, TX 78711, 512.427.6101, 512.427.6127 fax. DeVry is granted exemption as a private university by the Texas Workforce Commission. Exemption status means DeVry is not approved or regulated by the Texas Workforce Commission.
- **Virginia:** DeVry is certified to operate by the State Council of Higher Education for Virginia, 101 N. 14th St., Richmond, VA 23219, 804.225.2600. Associate degree programs are considered terminal and credits earned in these programs are generally not applicable to other degrees. More information on applicability of credits earned in associate degree programs to bachelor's degree programs is available from DeVry admissions representatives. DeVry University's Board of Trustees and the provost and chief academic officer have

approved all degree programs and certificate programs offered by DeVry University and its Keller Graduate School of Management in the State of Virginia. DeVry's associate of applied science programs are technical programs; credits earned may not be applicable to degree programs offered at other institutions.

Bankruptcy Statement

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

Academic Calendar

DeVry delivers courses in a session format, with two 8-week sessions offered each semester. Sessions within DeVry's summer, fall and spring semesters are designated in two overlapping calendar cycles. At the time they matriculate, students are assigned either a Cycle 1 or Cycle 2 schedule (visit the Student-Centric Period section).

Note: Each session, instruction ends at 11:59 pm MT on Saturday of week 8. No instruction occurs on holidays or during noted break periods.

Cycles 1 and 2 Breaks

- **2025 Winter Break**: Sunday-Sunday, December 21, 2025-January 4, 2026
- **2026 Spring Break:** Sunday-Sunday, April 26-May 3
- **2026 Summer Break:** Sunday-Sunday, June 28-July 5

Cycle 1 Academic Calendar

2025 Summer Semester: May 5, 2025-August 30, 2025

- **May 2025 Session**
  - Monday, May 5: Session Begins
  - Monday, May 26: Memorial Day Holiday
  - Thursday, June 19: Juneteenth Holiday
  - Saturday, June 28: Session Ends
- ***2025 Summer Break: Sunday-Sunday, June 29-July 6***
- **July 2025 Session**
  - Monday, July 7: Session Begins
  - Saturday, August 30: Session Ends

2025 Fall Semester: September 1, 2025-December 20, 2025

- **September 2025 Session**
  - Monday, September 1: Session Begins, Labor Day Holiday
  - Saturday, October 25: Session Ends
- **November 2025 Session**
  - Monday, October 27: Session Begins
  - Thursday-Friday, November 27-28: Thanksgiving Break
  - Saturday, December 20: Session Ends
- ***2025 Winter Break: Sunday-Sunday, December 21, 2025-January 4, 2026***

2026 Spring Semester: January 5, 2026-April 25, 2026

- **January 2026 Session**
  - Monday, January 5: Session Begins
  - Monday, January 19: Martin Luther King, Jr. Day Holiday
  - Saturday, February 28: Session Ends
- **March 2026 Session**
  - Monday, March 2: Session Begins
  - Friday, April 3: Spring Holiday
  - Saturday, April 25: Session Ends
- ***2026 Spring Break: Sunday-Sunday, April 26-May 3***

2026 Summer Semester: May 4, 2026-August 29, 2026

- **May 2026 Session**
  - Monday, May 4: Session Begins
  - Monday, May 25: Memorial Day Holiday
  - Friday, June 19: Juneteenth Holiday
  - Saturday, June 27: Session Ends
- ***2026 Summer Break: Sunday-Sunday, June 28-July 5***
- **July 2026 Session**
  - Monday, July 6: Session Begins
  - Saturday, August 29: Session Ends

Cycle 2 Academic Calendar

2025 Summer Semester: July 7, 2025-October 25, 2025

- **July 2025 Session**
  - Monday, July 7: Session Begins
  - Saturday, August 30: Session Ends
- **September 2025 Session**
  - Monday, September 1: Session Begins, Labor Day Holiday
  - Saturday, October 25: Session Ends

2025 Fall Semester: October 27, 2025-February 28, 2026

- **November 2025 Session**
  - Monday, October 27: Session Begins
  - Thursday-Friday, November 27-28: Thanksgiving Break
  - Saturday, December 20: Session Ends
- ***2025 Winter Break: Sunday-Sunday, December 21, 2025-January 4, 2026***
- **January 2026 Session**
  - Monday, January 5: Session Begins
  - Monday, January 19: Martin Luther King, Jr. Day Holiday
  - Saturday, February 28: Session Ends

2026 Spring Semester: March 2, 2026-June 27, 2026

- **March 2026 Session**
  - Monday, March 2: Session Begins
  - Friday, April 3: Spring Holiday
  - Saturday, April 25: Session Ends
- ***2026 Spring Break: Sunday-Sunday, April 26-May 3***
- **May 2026 Session**
  - Monday, May 4: Session Begins
  - Monday, May 25: Memorial Day Holiday
  - Friday, June 19: Juneteenth Holiday
  - Saturday, June 27: Session Ends
- ***2026 Summer Break: Sunday-Sunday, June 28-July 5***

2026 Summer Semester: July 6, 2026-October 24, 2026

- **July 2026 Session**
  - Monday, July 6: Session Begins
  - Saturday, August 29: Session Ends
- **September 2026 Session**
  - Monday, August 31: Session Begins
  - Monday, September 7: Labor Day Holiday
- Saturday, October 24: Session Ends

Credit Hour Definition, Schedule Information & Course Levels

Credit Hour Definition

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

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

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

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

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

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

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

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

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

Academic Year
The academic year at DeVry University is defined as two consecutive semesters.

DeVry offers enrollment in three semesters per 12-month period. DeVry offers courses in a session-based format (visit the Student-Centric Period section).

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

- **100 Level:** Courses at the 100 level typically provide a foundation of knowledge upon which students can further build their understanding of topics and concepts in future courses. Students focus on knowledge and comprehension levels and are provided opportunities to demonstrate their understanding through application and analysis. Typically, 100-level courses have no prerequisites or require other lower-division courses as prerequisites.
- **200 Level:** Courses at the 200 level typically are more advanced introductory courses covering complex concepts, with some courses building on understanding achieved in 100-level courses. Coursework emphasizes application and analysis, such as through hands-on practical exercises and supervised experiential learning. In some 200-level courses, students begin to synthesize and evaluate information presented.
- **300 Level:** Courses at the 300 level typically present students with more discipline-specific concepts, frameworks, and/or tools and technologies that often build on skills and knowledge covered in required 100- and 200-level courses. Students combine application and analysis skills acquired in lower-division courses with synthesis and evaluation skills to explore real-world problems.
- **400 Level:** Courses at the 400 level typically are designed to advance students' understanding of discipline-specific concepts and frameworks, and/or skill with various tools and technologies. These courses cover complex topics requiring advanced independent thought. Such courses include senior projects, advanced specialization courses, and practica or supervised experiential learning.
- **500 Level:** Reflecting the majority of courses in graduate programs, 500-level courses require advanced independent thought and managerial decision-making involving application, analysis, synthesis and evaluation of course concepts to meet stakeholder needs.

Colleges & Programs of Study

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

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

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

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

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

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

- **Enrolled Location:** Students' enrolled location is determined at the time of admission and is reflected in enrollment materials and in DeVry's student information system. Programs and specializations are limited to those offered by students' enrolled location. Each student is required to complete a substantial portion of their program online.
- **Programs:** Students should be aware that:
    - Availability of programs, specializations (including concentrations, majors, technical specialties and tracks) and courses varies by location and delivery method. Some courses, including those required for some specializations, may be available online only.
    - Program outlines show the minimum credit hours required for graduation. In some programs, there may be a slight difference between minimum credit hours required for graduation and total credit hours required if all courses are taken at DeVry. Credit hour differences may benefit students with qualifying transfer credit. Students should contact a student support advisor for more information.
- **Specializations:** Successful completion of a specialization – including concentrations, majors, technical specialties and tracks – is noted on transcripts of students who declare such a specialization. Specializations are not shown on diplomas.

- **Program 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, or to students' state of residence, regardless of the location at which students' classes are taught.
- **Courses:** The following courses, when applicable to the chosen program, must be taken at DeVry: CARD205, CARD405, CARD415, CEIS101, COLL148, HIM461 and LAS432; and senior project and capstone courses ACCT461, BUSN460, COMM491, COMM492, HIT277, JADM490, JADM494 and TECH460. Transfer and proficiency credits are not granted to fulfill these requirements.

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

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

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

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

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

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

TECHPATH

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

College of Liberal Arts & Sciences

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

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

The following pages provide detailed information on the University's general education program offered through the College of Liberal Arts & Sciences, as well as on the DeVry University Writing Center, administered by the College. Information on skills coursework and badges is also provided.

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

University General Education Program
At DeVry University, core general education courses in associate and bachelor's degree programs provide students with critical learning experiences that support general education and programmatic learning outcomes, and associated knowledge, skills and abilities. The common general education core emphasizes six key areas: Communication, Critical Thinking, Information Literacy, Digital Fluency, Cultural Competence, and Global Awareness and Civic Engagement. General education courses are aligned to these six Common Learning Outcomes to promote and develop knowledge, skills and abilities that enhance our career-oriented programs. These Common Learning Outcomes reflect DeVry University's commitment to industry-relevant and technologically rich educational experiences that focus on the core values of DeVry's mission. This relationship establishes DeVry's philosophy for curriculum design, which is predicated on learning materials and methods that are current and practitioner-based, and that incorporate technology. The Common Learning Outcomes are reviewed, achieved and reinforced through a comprehensive assessment approach across course levels and continual curriculum development processes that are informed by student needs and outcomes.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

The DWC is dedicated to:

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

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

More information is available on the DWC web page.

Skills Coursework and Badges
Students in certain bachelor's degree programs have an opportunity to earn a corresponding digital badge that reflects acquired skills and knowledge for careers in today's workforce.

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

Course Designator and Title	Badge
LEAD570G: Leadership in the Age of AI	**Leadership and AI Badge** • Demonstrates readiness to lead transformative projects and foster innovation • Exemplifies ability to tackle complex challenges, drive growth and create value in today's workforce
MIS540G: Innovation Through Technology	**Technology Management Badge** • Highlights expertise in driving innovation and leveraging emerging technologies • Signals proficiency in strategic thinking, design thinking and product management

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

College of Business & Management

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

Mission of DeVry University's Undergraduate Business Programs
The mission of DeVry University's undergraduate business programs is to prepare learners to thrive in the digitally driven, diverse business environment by providing them with opportunities to develop innovative thinking, collaboration and problem-solving skills.

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

- Developing skills to effectively convey information to business audiences through various settings using appropriate methodologies.
- Evaluating the impact of internal and external forces on the success of organizations.
- Analyzing issues and needs relating to organizational challenges to identify and promote quality improvement opportunities.
- Conducting and evaluating activities that influence organizational values, ethics and professional responsibility.
- Developing a greater understanding of diverse business functions and how they integrate with each other.

The following pages provide details on undergraduate programs offered through the College of Business & Management.

Certificate Programs
- Accounting
- Business Essentials
- Project Management

Associate Degree Program
- Business

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

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

Undergraduate Certificate Programs

Accounting Certificate Program

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

Programmatic Accreditation
This program is accredited by the Accreditation Council for Business Schools and Programs, demonstrating it has met standards of business education that promote teaching excellence. More information is available in the Programmatic Accreditation and Recognition section.

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

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

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

- Create financial statements and reports through proper analysis and recording of accounting data.
- Use appropriate technologies to assist in preparing and analyzing accounting information.
- Communicate accounting results and findings across business environments.
- Apply problem-solving skills to a variety of accounting-related tasks in the workplace.

Program Details
- **Credential:** Undergraduate Certificate in Accounting
- **Total semesters:** 2 full time, assuming enrollment in 12 credit hours per semester
- **Minimum credit hours required for completion:** 24
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 8 months, assuming enrollment in 2 semesters per 12-month period[1]
  - **Minimum time to complete:** 8 months, assuming continuous year-round enrollment (3 semesters per 12-month period)[2]

[1] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[2] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

Program Outline
Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Additional program-related information and notes are found after the program outline.

Business Core – 9 credit hours required

ACCT212: Financial Accounting – 4 credit hours
BIS155: Data Analysis with Spreadsheets with Lab – 3 credit hours
COMP100: Computer Applications for Business with Lab – 2 credit hours

Accounting Core – 15 credit hours required

ACCT303: Intermediate Accounting I – 3 credit hours
ACCT306: Intermediate Accounting II – 3 credit hours
ACCT326: Federal Tax Accounting I – 3 credit hours
ACCT360: Managerial Accounting – 3 credit hours
ACCT454: Accounting Information Systems with Lab – 3 credit hours

Notes
Visit the General Notes section for additional information.

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

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

Business Essentials Certificate Program

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

Students who complete the Business Essentials undergraduate certificate program can apply eligible coursework to DeVry's associate degree program in Business.

Programmatic Accreditation

This program is accredited by the Accreditation Council for Business Schools and Programs, demonstrating it has met standards of business education that promote teaching excellence. More information is available in the Programmatic Accreditation and Recognition section.

BUSINESS CORE – Essential Skills for Today's Workplace

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

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

Program Outcomes

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
- **Total semesters:** 2 full time, assuming enrollment in 12-13 credit hours per semester
- **Minimum credit hours required for completion:** 25
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 8 months, assuming enrollment in 2 semesters per 12-month period[1]
  - **Minimum time to complete:** 8 months, assuming continuous year-round enrollment (3 semesters per 12-month period)[2]

[1] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[2] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

Program Outline
Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Additional program-related information and notes are found after the program outline.

Business Core – 18 credit hours required

BIS155: Data Analysis with Spreadsheets with Lab – 3 credit hours
BUSN115: Introduction to Business and Technology – 3 credit hours
BUSN219: Marketing Fundamentals – 3 credit hours
COMP100: Computer Applications for Business with Lab – 2 credit hours
LEAD150: Leadership and Facilitating Change – 3 credit hours
One of[3]:
ACCT207: Fundamentals of Accounting – 4 credit hours
ACCT212: Financial Accounting – 4 credit hours

Electives – 7 credit hours required

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

The following suggested electives align with coursework in DeVry's associate degree program in Business. Students who earn the Business Essentials undergraduate certificate can apply eligible credits earned toward an associate degree in Business.

- **Budgeting and Forecasting – 7 credit hours required**
  ACCT360: Managerial Accounting – 3 credit hours
  BUSN278: Budgeting and Forecasting – 4 credit hours

- **General Business – 7 credit hours required**
  GSCM206: Managing Operations Across the Supply Chain – 4 credit hours
  MGMT210: Human Resource Functions – 3 credit hours

- **Healthcare Business – 7 credit hours required**
  HIT111: Basic Medical Terminology – 3 credit hours
  HSM310: Introduction to Health Services Management – 4 credit hours

- **Human Resources – 7 credit hours required**
  MGMT210: Human Resource Functions – 3 credit hours
  HRM420: Training and Development – 4 credit hours

[3] Students must take ACCT212 if selecting the Budgeting and Forecasting option in the Electives course area.

- **Project Management – 7 credit hours required**
  BIAM110 Introduction to Business Analytics – 3 credit hours
  PROJ404: Project Management for the Profession – 4 credit hours

- **Retail Management – 7 credit hours required**
  BUSN258: Customer Relations – 4 credit hours
  MGMT230: Contemporary Retail Management – 3 credit hours

- **Sales and Customer Development – 7 credit hours required**
  BUSN160: Introduction to Sales and Business Development – 4 credit hours
  MGMT300: Customer Care and Relationship Management – 3 credit hours

Notes
Visit the General Notes section for additional information.

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

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

Project Management Certificate Program

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

Building Professional Project Management Skills

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

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

Program Outcomes

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

- Apply an understanding of the project management discipline to manage projects successfully.
- Evaluate various project management concepts and techniques used to manage projects.
- Implement innovative project approaches to solve specialized business problems.
- Manage complex professional and technical activities in various contexts within the project management framework.

Program Details

- **Credential:** Undergraduate Certificate in Project Management
- **Total semesters:** 3 full time, assuming enrollment in 8-12 credit hours per semester
- **Minimum credit hours required for completion:** 32
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 1 year, 2 months, assuming enrollment in 2 semesters per 12-month period[1]
  - **Minimum time to complete:** 10 months, assuming continuous year-round enrollment (3 semesters per 12-month period)[2]

[1] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[2] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

Program Outline
Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Additional program-related information and notes are found after the program outline.

Project Management – 32 credit hours required

PROJ330: Human Resources and Communication in Projects – 4 credit hours
PROJ404: Project Management for the Profession – 4 credit hours
PROJ410: Contracts and Procurement – 4 credit hours
PROJ415: Project Quality Management – 4 credit hours
PROJ420: Project Risk Management – 4 credit hours
PROJ425: Project Management Methodologies – 4 credit hours
One of:
PROJ431: Applied Project Management – 4 credit hours
PROJ432[3]: Certified Associate Project Management Exam Preparation – 4 credit hours
One of:
PROJ435: Project Management Technologies – 4 credit hours
PROJ440: Construction Project Management – 4 credit hours
PROJ445: IT Project Management – 4 credit hours

Notes
Visit the General Notes section for additional information.

Employment positions determined to be in field for graduates of the Undergraduate Certificate program in Project Management include Project Management Specialist (13.1087.00) and Office and Administrative Support Worker, All other (43-9199.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

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

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

Associate Degree Program

Business Associate Degree Program

DeVry's associate degree program in Business is designed to prepare graduates to join the workforce as entry-level business professionals in a wide variety of industries. Through this program, students can build a foundation in business by learning fundamental principles and gaining exposure to different specialties.

The program offers tracks as shown in the following program outline. Students who have not chosen an area of specialization may begin the program in "Undeclared" status; however, they must select a track by the time they have earned 30 semester-credit hours toward their degree.

Programmatic Accreditation
This program is accredited by the Accreditation Council for Business Schools and Programs, demonstrating it has met standards of business education that promote teaching excellence. More information is available in the Programmatic Accreditation and Recognition section.

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

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

Note: Those who earn an associate degree in Business can apply eligible credits toward DeVry's 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.
- Evaluate the value of working in a team environment within a business in different industries, including potential challenges during collaboration and the importance of sharing information and communication to achieve a common goal.

Program Details

- **Degree:** Associate of Applied Science in Business (in Florida, Associate of Science in Business)
- **Total semesters:** 4 full time, assuming enrollment in 12-18 credit hours per semester; enrollment in additional credit hours may be needed in some semesters
- **Minimum credit hours required for graduation:** 61
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 2 years, assuming enrollment in 2 semesters per 12-month period[1]
  - **Minimum time to complete:** 1 year, 4 months, assuming continuous year-round enrollment (3 semesters per 12-month period)[2]

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

Program Outline

Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Additional program-related information and notes are found after the program outline.

Communication Skills – 11 credit hours required

ENGL112: Composition – 4 credit hours

ENGL135: Advanced Composition – 4 credit hours

SPCH275: Public Speaking – 3 credit hours

Humanities – 3 credit hours required

ETHC232: Ethical and Legal Issues in the Professions – 3 credit hours

Social Sciences – 3 credit hours required

SOCS185: Culture and Society – 3 credit hours

Mathematics and Natural Sciences – 8 credit hours required

MATH114: Algebra for College Students – 4 credit hours

SCI228: Nutrition, Health and Wellness with Lab – 4 credit hours

Personal and Professional Development – 5 credit hours required

CARD205: Career Development – 2 credit hours

COLL148: Critical Thinking and Problem-Solving – 3 credit hours

[1] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[2] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

Business Core – 18 credit hours required

BIS155: Data Analysis with Spreadsheets with Lab – 3 credit hours
BUSN115: Introduction to Business and Technology – 3 credit hours
BUSN219: Marketing Fundamentals – 3 credit hours
COMP100: Computer Applications for Business with Lab – 2 credit hours
LEAD150: Leadership and Facilitating Change – 3 credit hours
One of[3]:
ACCT207: Fundamentals of Accounting – 4 credit hours
ACCT212: Financial Accounting – 4 credit hours

Track – one track selected – required credit hours vary by track

- **Budgeting and Forecasting – 14 credit hours required**
  ACCT303: Intermediate Accounting I – 3 credit hours
  ACCT360: Managerial Accounting – 3 credit hours
  BUSN278: Budgeting and Forecasting – 4 credit hours
  MATH221: Statistics for Decision-Making – 4 credit hours

- **General Business – 15 credit hours required**
  Students select four courses from the College of Business & Management for which they meet prerequisites. Courses may be selected from those with prefixes ACCT, BIAM, BIS, BUSN, FIN, GSCM, HOSP, HSM, HRM, LEAD, MGMT, MKTG, PROJ and SBE. The following courses are suggested:

  One of:
  BIAM110: Introduction to Business Analytics – 3 credit hours
  MGMT210: Human Resource Functions – 3 credit hours
  MGMT303: Principles of Management – 3 credit hours
  Three of:
  BIS310: Compliance and Security Management – 4 credit hours
  BUSN278: Budgeting and Forecasting – 4 credit hours
  GSCM206: Managing Operations Across the Supply Chain – 4 credit hours
  LEAD335: Cross-Cultural Leadership – 4 credit hours
  MATH221: Statistics for Decision-Making – 4 credit hours

- **Healthcare Business[4] – 15 credit hours required**
  BUSN258: Customer Relations – 4 credit hours
  HIT111: Basic Medical Terminology – 3 credit hours
  HSM310: Introduction to Health Services Management – 4 credit hours
  HSM320: Health Rights and Responsibilities – 4 credit hours

[3] Students selecting the Budgeting and Forecasting track must take ACCT212.
[4] 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.

- **Human Resources – 14 credit hours required**
  BUSN315: Contemporary Business – 3 credit hours
  HRM420: Training and Development – 4 credit hours
  MGMT210: Human Resource Functions – 3 credit hours

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

- **Project Management – 15 credit hours required**
  BIAM110: Introduction to Business Analytics – 3 credit hours
  PROJ330: Human Resources and Communication in Projects – 4 credit hours
  PROJ404: Project Management for the Profession – 4 credit hours

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

- **Retail Management – 13 credit hours required**
  BUSN258: Customer Relations – 4 credit hours
  MGMT210: Human Resource Functions – 3 credit hours
  MGMT230: Contemporary Retail Management – 3 credit hours
  MGMT300: Customer Care and Relationship Management – 3 credit hours

- **Sales and Customer Development – 14 credit hours required**
  BUSN160: Introduction to Sales and Business Development – 4 credit hours
  BUSN258: Customer Relations – 4 credit hours
  MGMT300: Customer Care and Relationship Management – 3 credit hours
  PSYCH305: Motivation and Leadership – 3 credit hours

Notes
Visit the General Notes section for additional information.

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

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

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

Bachelor's Degree Programs

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.

Programmatic Accreditation

This established degree program has been granted specialized accounting accreditation from the Accreditation Council for Business Schools and Programs. More information is available in the Programmatic Accreditation and Recognition section.

Developing Tomorrow's Accounting Professionals

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

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

Program 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
- **Total semesters:** 8 full time, assuming enrollment in 14-16 credit hours per semester; enrollment in additional credit hours may be needed in some semesters
- **Minimum credit hours required for graduation:** 120
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete**: 4 years, assuming enrollment in 2 semesters per 12-month period[1]
  - **Minimum time to complete:** 2 years, 8 months, assuming continuous year-round enrollment (3 semesters per 12-month period)[2]

Program Outline

Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Additional program-related information and notes are found after the program outline.

Communication Skills – 13 credit hours required

ENGL108: Composition with Lab – 3 credit hours
ENGL136: Advanced Composition – 3 credit hours
ENGL216: Technical Writing – 4 credit hours
SPCH275: Public Speaking – 3 credit hours

Humanities – 12 credit hours required

ETHC445: Principles of Ethics – 3 credit hours
HIST405: United States History – 3 credit hours
HUMN303: Introduction to the Humanities – 3 credit hours
LAS432: Technology, Society, and Culture – 3 credit hours

Social Sciences – 9 credit hours required

ECON312: Principles of Economics – 3 credit hours
SOCS185: Culture and Society – 3 credit hours
SOCS325: Environmental Sociology – 3 credit hours

Mathematics and Natural Sciences – 9 credit hours required

MATH116: Algebra for College Students – 3 credit hours
MATH226: Statistics for Decision-Making – 3 credit hours
SCI226: Nutrition, Health and Wellness with Lab – 3 credit hours

Personal and Professional Development – 5 credit hours required

CARD405: Career Development – 2 credit hours
COLL148: Critical Thinking and Problem-Solving – 3 credit hours

[1] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[2] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

Business Core – 18 credit hours required

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

Finance and Management – 6 credit hours required

BUSN315: Contemporary Business – 3 credit hours
BUSN379: Finance – 3 credit hours

Accounting Core – 39 credit hours required

ACCT303: Intermediate Accounting I – 3 credit hours
ACCT306: Intermediate Accounting II – 3 credit hours
ACCT313: Intermediate Accounting III – 3 credit hours
ACCT326: Federal Tax Accounting I – 3 credit hours
ACCT335: Analytics for Accounting – 3 credit hours
ACCT360: Managerial Accounting – 3 credit hours
ACCT406: Advanced Accounting – 3 credit hours
ACCT426: Federal Tax Accounting II – 3 credit hours
ACCT436: Advanced Cost Management – 3 credit hours
ACCT439: Professional Ethics for Accountants – 3 credit hours
ACCT440: Accounting Research – 3 credit hours
ACCT446: Auditing – 3 credit hours
ACCT454: Accounting Information Systems with Lab – 3 credit hours

Accounting Senior Project – 3 credit hours required

ACCT461: Accounting Senior Project – 3 credit hours

Electives – 6 credit hours required

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

LEAD430: Consulting and Problem-Solving – 3 credit hours
TECH408: Applied AI for Management and Technology – 3 credit hours

Notes
Visit the General Notes section for additional information.

Most state boards of accountancy require 150 credit hours of postsecondary education in order to sit for the CPA exam. As this program is less than 150 credit hours, this program alone does

not meet minimum coursework requirements to sit for the CPA exam. Students interested in sitting for the CPA exam should check their state's requirements.

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

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

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

Business Administration Bachelor's Degree Program

DeVry's Business Administration program is designed to help students develop competency in applying technology to business strategy, management and decision-making through case studies, team projects, Internet use, web page development, computer applications and systems integration. The program offers majors (concentrations in Illinois and New York) as shown in the following program outline.

Students who have not chosen an area of specialization may begin the program in "Undeclared" status; however, they must select a major/concentration by the time they have earned 30 semester-credit hours toward their degree.

Programmatic Accreditation and Alignment

This program is accredited by the Accreditation Council for Business Schools and Programs (ACBSP), demonstrating it has met standards of business education that promote teaching excellence. ACBSP has also granted specialized accounting accreditation to this program when completed with a specialization in Accounting.

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

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

More information is available in the Programmatic Accreditation and Recognition section.

Cultivating Collaborative Team Contributors

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

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

Program 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 comprehensive research using appropriate technologies to solve business problems in the 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)
- **Total semesters:** 8 full time, assuming enrollment in 12-19 credit hours per semester; enrollment in additional credit hours may be needed in some semesters
- **Minimum credit hours required for graduation:** 124[1]
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 4 years, assuming enrollment in 2 semesters per 12-month period[2]
  - **Minimum time to complete:** 2 years, 8 months, assuming continuous year-round enrollment (3 semesters per 12-month period)[3]

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

Program Outline

Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Additional program-related information and notes are found after the program outline.

Communication Skills – 15[4] credit hours required

ENGL112[5]: Composition – 4 credit hours

ENGL135: Advanced Composition – 4 credit hours

ENGL216: Technical Writing – 4 credit hours

SPCH275: Public Speaking – 3 credit hours

[1] 127 for students enrolled at a New Jersey location.
[2] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[3] Assumes students remain on a minimum-time-to-complete schedule throughout their program.
[4] 14 for students enrolled at a New Jersey location.
[5] Students enrolled at a New Jersey location take ENGL108 in lieu of this course.

Humanities – 9 credit hours required

ETHC445: Principles of Ethics – 3 credit hours
HUMN303: Introduction to the Humanities – 3 credit hours
LAS432: Technology, Society, and Culture – 3 credit hours

Social Sciences – 9 credit hours required

PSYC305[6]: Motivation and Leadership – 3 credit hours
SOCS185: Culture and Society – 3 credit hours
One of[7]:
LAWS310: The Legal Environment – 3 credit hours
SOCS325: Environmental Sociology – 3 credit hours

Mathematics and Natural Sciences – 12 credit hours required

MATH114: Algebra for College Students – 4 credit hours
SCI228: Nutrition, Health and Wellness with Lab – 4 credit hours
One of[8]:
MATH200: Quantitative Reasoning – 4 credit hours
MATH221: Statistics for Decision-Making – 4 credit hours

Personal and Professional Development – 5 credit hours required

CARD405: Career Development – 2 credit hours
COLL148: Critical Thinking and Problem-Solving – 3 credit hours

Business Core[9] – 21[10] credit hours required

BIAM110: Introduction to Business Analytics – 3 credit hours
BIS155: Data Analysis with Spreadsheets with Lab – 3 credit hours
BUSN115: Introduction to Business and Technology – 3 credit hours
BUSN319: Marketing – 3 credit hours
COMP100: Computer Applications for Business with Lab – 2 credit hours
MGMT303: Principles of Management – 3 credit hours
One of[11]:
ACCT207: Fundamentals of Accounting – 4 credit hours
ACCT212: Financial Accounting – 4 credit hours

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[6] Students enrolled at a Nevada location must take POLI332 in lieu of this requirement.
[7] Students selecting the Small Business Management and Entrepreneurship major/concentration must take SOCS325.
[8] Students selecting the Business Intelligence and Analytics Management major/concentration must take MATH221.
[9] Students enrolled at a New Jersey location must also take BUSN369, BUSN412 and GSCM206 to fulfill this requirement.
[10] 30 for students enrolled at a New Jersey location, where the additional credit hours satisfy the Elective course area requirement.
[11] Students selecting the Accounting or Finance major/concentration must take ACCT212.

Planning and Communication – 13 credit hours required

BUSN315[12,13]: Contemporary Business – 3 credit hours
BUSN379: Finance – 3 credit hours
ECON312: Principles of Economics – 3 credit hours
One of[14]:
MGMT404: Project Management – 4 credit hours
PROJ404: Project Management for the Profession – 4 credit hours

Senior Project – 3 credit hours required

BUSN460: Senior Project – 3 credit hours

Electives[15,16] – 10 credit hours required

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

ACCT360[17]: Managerial Accounting – 3 credit hours
BIS310: Compliance and Security Management – 4 credit hours
LEAD430: Consulting and Problem-Solving – 3 credit hours

Major/Concentration – one major/concentration selected – required credit hours vary by major/concentration

- **Accounting – 27 credit hours required**
  ACCT303: Intermediate Accounting I – 3 credit hours
  ACCT306: Intermediate Accounting II – 3 credit hours
  ACCT313: Intermediate Accounting III – 3 credit hours
  ACCT326: Federal Tax Accounting I – 3 credit hours
  ACCT406: Advanced Accounting – 3 credit hours
  ACCT426: Federal Tax Accounting II – 3 credit hours
  ACCT436: Advanced Cost Management – 3 credit hours
  ACCT446: Auditing – 3 credit hours
  ACCT454: Accounting Information Systems – 3 credit hours

[12] Students attending a New Jersey location and selecting the Accounting major/concentration must take ACCT360.
[13] Students attending a New Jersey location and selecting the Human Resource Management major/concentration must take MGMT410.
[14] Students selecting the Project Management major/concentration must take PROJ404.
[15] Students selecting the Accounting major/concentration who are interested in sitting for the CPA exam in Texas complete ACCT434, ACCT440 and MGMT330 as elective course options. Successful completion of topics presented in these courses is required to sit for the CPA exam in Texas. Additional requirements also apply to students wishing to sit for the CPA exam; students should check with the Texas Board of Public Accountancy for details.
[16] Students selecting the Human Resource Management major/concentration must take MGMT410.
[17] Students selecting the Accounting major/concentration must take ACCT360.

- **Business Intelligence and Analytics Management – 27 credit hours required**
  BIAM300: Managerial Applications of Business Analytics – 4 credit hours
  BIAM400: Applied Business Analytics – 4 credit hours
  BIAM410: Database Concepts in Business Intelligence – 4 credit hours
  BIAM420: Introduction to Internet Analytics – 4 credit hours
  BIAM430: Introduction to Visualization and Predictive Analytics – 4 credit hours
  BUSN340: Introduction to Risk Analysis – 4 credit hours
  One of:
  BIAM320: Analytics in the Business Environment – 3 credit hours
  BUSN350: Business Analysis – 3 credit hours
  LEAD430: Consulting and Problem-Solving – 3 credit hours

- **Finance – 28 credit hours required**
  ACCT303: Intermediate Accounting I – 3 credit hours
  ACCT326: Federal Tax Accounting I – 3 credit hours
  ACCT426: Federal Tax Accounting II – 3 credit hours
  BUSN350: Business Analysis – 3 credit hours
  FIN351: Investment Fundamentals and Security Analysis – 4 credit hours
  FIN364: Money and Banking – 4 credit hours
  FIN382: Financial Statement Analysis – 4 credit hours
  FIN390: Fixed Income Securities Analysis – 4 credit hours

- **Global Supply Chain Management – 28 credit hours required**
  GSCM206: Managing Operations Across the Supply Chain – 4 credit hours
  GSCM209: Supply Chain Management Decision Support Tools and Applications – 4 credit hours
  GSCM326: Total Quality Management – 4 credit hours
  GSCM330: Strategic Supply and Master Planning – 4 credit hours
  GSCM434: Supply Chain Logistics, Distribution and Warehousing – 4 credit hours
  GSCM440: Supply Chain Procurement Management and Sourcing Strategy – 4 credit hours
  GSCM460: Global Issues in Supply Chain Management – 4 credit hours

- **Health Services Management – 28 credit hours required**
  HSM310: Introduction to Health Services Management – 4 credit hours
  HSM320: Health Rights and Responsibilities – 4 credit hours
  HSM330: Health Services Information Systems – 4 credit hours
  HSM340: Health Services Finance – 4 credit hours
  HSM410: Healthcare Policy – 4 credit hours
  HSM420: Managed Care and Health Insurance – 4 credit hours
  HSM430: Planning and Marketing for Health Services Organizations – 4 credit hours

- **Hospitality Management – 28 credit hours required**
  HOSP310: Introduction to Hospitality Management – 4 credit hours
  HOSP320: Foundations of Hotel Management – 4 credit hours
  HOSP330: Meetings and Events Management – 4 credit hours
  HOSP410: Restaurant Management – 4 credit hours

HOSP420: Food Safety and Sanitation – 4 credit hours
HOSP440: Casino Management – 4 credit hours
HOSP450: Tourism Management – 4 credit hours

- **Human Resource Management – 28 credit hours required**
  BUSN412: Business Policy – 4 credit hours
  HRM320: Employment Law – 4 credit hours
  HRM330: Labor Relations – 4 credit hours
  HRM340: Human Resource Information Systems – 4 credit hours
  HRM410: Strategic Staffing – 4 credit hours
  HRM420: Training and Development – 4 credit hours
  HRM430: Compensation and Benefits – 4 credit hours

- **Project Management – 28 credit hours required**
  PROJ330: Human Resources and Communication in Projects – 4 credit hours
  PROJ410: Contracts and Procurement – 4 credit hours
  PROJ415: Project Quality Management – 4 credit hours
  PROJ420: Project Risk Management – 4 credit hours
  PROJ425: Project Management Methodologies – 4 credit hours
  One of:
  PROJ431: Applied Project Management – 4 credit hours
  PROJ432[18]: Certified Associate Project Management Exam Preparation – 4 credit hours
  One of:
  PROJ435: Project Management Technologies – 4 credit hours
  PROJ440: Construction Project Management – 4 credit hours
  PROJ445: IT Project Management – 4 credit hours

- **Sales and Marketing – 27 credit hours required**
  MKTG310: Consumer Behavior – 4 credit hours
  MKTG340: Digital Marketing Fundamentals – 3 credit hours
  MKTG410: Advertising and Public Relations – 4 credit hours
  MKTG435: Marketing Research and Analytics – 4 credit hours
  MKTG445: Brand Management – 4 credit hours
  MKTG455: Current Topics in Marketing – 4 credit hours
  One of:
  MKTG425: Personal Selling and Sales Management – 4 credit hours
  MKTG430: International Marketing – 4 credit hours
  SBE330: Creativity, Innovation and New Product Development – 4 credit hours

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

- **Small Business Management and Entrepreneurship – 27 credit hours required**
  BUSN258: Customer Relations – 4 credit hours
  LAWS310: The Legal Environment – 3 credit hours
  SBE310: Small Business Management and Entrepreneurship – 4 credit hours
  SBE330: Creativity, Innovation and New Product Development – 4 credit hours
  SBE420: Operational Issues in Small Business Management – 4 credit hours
  SBE430: E-Commerce for Small Business – 4 credit hours
  SBE440: Business Plan Writing for Small Businesses and Entrepreneurs – 4 credit hours

Notes
Visit the General Notes section for additional information.

Students enrolled at a New Jersey location must take an additional seven semester-credit hours of general education coursework within these course areas: Communication Skills, Humanities, Social Sciences, and Mathematics and Natural Sciences. Humanities and/or Social Sciences courses selected should be upper-division coursework (DeVry courses numbered 300-499).

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

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

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

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

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

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

Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students should seek academic advising to ensure any specialized requirements noted in the Business Administration program outline above have been met. Visit the Course Descriptions section for additional information.

Additional program-related information and notes are found after the program outline.

Communication Skills – 8 credit hours required

ENGL112: Composition – 4 credit hours

ENGL135: Advanced Composition – 4 credit hours

Humanities – 6 credit hours required

ETHC445: Principles of Ethics – 3 credit hours

LAS432: Technology, Society, and Culture – 3 credit hours

Social Sciences – 6 credit hours required

LAWS310[19]: The Legal Environment – 3 credit hours

SOCS325: Environmental Sociology – 3 credit hours

Personal and Professional Development – 5 credit hours required

CARD405: Career Development – 2 credit hours

COLL148: Critical Thinking and Problem-Solving – 3 credit hours

Mathematics and Natural Sciences – 8 credit hours required

SCI228: Nutrition, Health and Wellness with Lab – 4 credit hours

One of:

MATH200: Quantitative Reasoning – 4 credit hours

MATH221: Statistics for Decision-Making – 4 credit hours

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

Business – 7 credit hours required

MGMT303: Principles of Management – 3 credit hours
MGMT404: Project Management – 4 credit hours

Senior Project – 3 credit hours required

BUSN460: Senior Project – 3 credit hours

Notes
Visit the General Notes section for additional information.

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

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

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

Business Management Bachelor's Degree Program

DeVry's Business Management program is designed to prepare graduates to join the workforce as management professionals in a wide variety of industries through coursework that helps students develop knowledge and skills needed to adapt in a rapidly changing, dynamic and competitive global marketplace.

Concentrations are offered as shown in the following program outline. Students who have not chosen an area of specialization may begin the program in "Undeclared" status; however, they must select a concentration by the time they have earned 45 semester-credit hours toward their degree.

Programmatic Accreditation and Alignment

This program is accredited by the Accreditation Council for Business Schools and Programs (ACBSP), demonstrating it has met standards of business education that promote teaching excellence. ACBSP has also granted specialized accounting accreditation to this program when completed with a specialization in Accounting.

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

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

More information is available in the Programmatic Accreditation and Recognition section.

Empowering Emerging Managers and Team Leaders

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

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

Program 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 comprehensive research using appropriate technologies to solve business problems in the 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 Business Management
- **Total semesters:** 8 full time, assuming enrollment in 12-19 credit hours per semester; enrollment in additional credit hours may be needed in some semesters
- **Minimum credit hours required for graduation:** 122
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 4 years, assuming enrollment in 2 semesters per 12-month period[1]
  - **Minimum time to complete:** 2 years, 8 months, assuming continuous year-round enrollment (3 semesters per 12-month period)[2]

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 program-related information and notes are found after the program outline.

Program Outline

Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title 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. Visit the Course Descriptions section for additional information.

Communication Skills – 11 credit hours required

ENGL112: Composition – 4 credit hours

ENGL135: Advanced Composition – 4 credit hours

SPCH275: Public Speaking – 3 credit hours

Humanities – 6 credit hours required

ETHC445: Principles of Ethics – 3 credit hours

LAS432: Technology, Society, and Culture – 3 credit hours

Social Sciences – 6 credit hours required

ECON312: Principles of Economics – 3 credit hours

SOCS185: Culture and Society – 3 credit hours

[1] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[2] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

Mathematics and Natural Sciences – 12 credit hours required

MATH114: Algebra for College Students – 4 credit hours
SCI228[3]: Nutrition, Health and Wellness with Lab – 4 credit hours
One of[4]:
MATH200: Quantitative Reasoning – 4 credit hours
MATH221: Statistics for Decision-Making – 4 credit hours

Personal and Professional Development – 5 credit hours required

CARD405: Career Development – 2 credit hours
COLL148: Critical Thinking and Problem-Solving – 3 credit hours

Business Core – 21 credit hours required

BIAM110: Introduction to Business Analytics – 3 credit hours
BIS155: Data Analysis with Spreadsheets with Lab – 3 credit hours
BUSN115: Introduction to Business and Technology – 3 credit hours
BUSN319: Marketing – 3 credit hours
COMP100: Computer Applications for Business with Lab – 2 credit hours
MGMT303: Principles of Management – 3 credit hours
One of[5]:
ACCT207: Fundamentals of Accounting – 4 credit hours
ACCT212: Financial Accounting – 4 credit hours

Leadership and Operations – 23 credit hours required

BUSN278: Budgeting and Forecasting – 4 credit hours
BUSN369: International Business – 4 credit hours
BUSN379: Finance – 3 credit hours
LEAD335: Cross-Cultural Leadership – 4 credit hours
MGMT410: Human Resource Management – 4 credit hours
One of[6]:
MGMT404: Project Management – 4 credit hours
PROJ404: Project Management for the Profession – 4 credit hours

Senior Project – 3 credit hours required

BUSN460: Senior Project – 3 credit hours

Electives – 9 credit hours required

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

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[3] Ohio residents enrolled as online students, and students enrolled at an Ohio location, must take an additional natural sciences course from those with designators BIOS or SCI, or TECH204, which may be applied to the electives course area.
[4] Students selecting the Business Analytics concentration must take MATH221.
[5] Students selecting the Accounting or Finance concentration must take ACCT212.
[6] Students selecting the Project Management concentration must take PROJ404.

Note: Students selecting the Accounting concentration, except those interested in sitting for the CPA exam in Texas, must take ACCT360.

Note: Students selecting the Accounting concentration 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.

Note: Students selecting the Finance concentration must take ACCT360.

ACCT360: Managerial Accounting – 3 credit hours
BUSN350: Business Analysis – 3 credit hours
TECH408: Applied AI for Management and Technology – 3 credit hours

To satisfy the Electives course area requirement, students who meet eligibility requirements may take the following graduate-level courses offered by the University's Keller Graduate School of Management. Eligibility requirements are outlined in the Requirements for Undergraduate Students Enrolling in Keller Courses section. Credits earned for each course also satisfy credit-hour requirements within certain Keller master's degree and graduate certificate programs. Descriptions for these 500-level courses are found at the end of the Course Descriptions section, under the Keller Graduate School of Management Courses section. Additional information is available from student support advisors and in the Keller Graduate School of Management academic catalog.

HRM587G: Managing Organizational Change – 3 credit hours
LEAD570G: Leadership in the Age of AI – 3 credit hours
MIS540G: Innovation Through Technology – 3 credit hours
MIS548G: AI Applications for Business – 3 credit hours

Concentration – one concentration selected – required credit hours vary by concentration

- **Accounting – 27 credit hours required**
  ACCT303: Intermediate Accounting I – 3 credit hours
  ACCT306: Intermediate Accounting II – 3 credit hours
  ACCT313: Intermediate Accounting III – 3 credit hours
  ACCT326: Federal Tax Accounting I – 3 credit hours
  ACCT406: Advanced Accounting – 3 credit hours
  ACCT426: Federal Tax Accounting II – 3 credit hours
  ACCT436: Advanced Cost Management – 3 credit hours
  ACCT446: Auditing – 3 credit hours
  ACCT454: Accounting Information Systems – 3 credit hours

- **Business Analytics – 27 credit hours required**
  BIAM300: Managerial Applications of Business Analytics – 4 credit hours
  BIAM400: Applied Business Analytics – 4 credit hours
  BIAM410: Database Concepts in Business Intelligence – 4 credit hours

BIAM420: Introduction to Internet Analytics – 4 credit hours
BIAM430: Introduction to Visualization and Predictive Analytics – 4 credit hours
BUSN340: Introduction to Risk Analysis – 4 credit hours
One of:
BIAM320: Analytics in the Business Environment – 3 credit hours
BUSN350: Business Analysis – 3 credit hours
LEAD430: Consulting and Problem-Solving – 3 credit hours

- **Finance – 28 credit hours required**
  ACCT303: Intermediate Accounting I – 3 credit hours
  ACCT326: Federal Tax Accounting I – 3 credit hours
  ACCT426: Federal Tax Accounting II – 3 credit hours
  ACCT436: Advanced Cost Management – 3 credit hours
  FIN351: Investment Fundamentals and Security Analysis – 4 credit hours
  FIN364: Money and Banking – 4 credit hours
  FIN382: Financial Statement Analysis – 4 credit hours
  FIN390: Fixed Income Securities Analysis – 4 credit hours

- **Global Supply Chain Management – 28 credit hours required**
  GSCM206: Managing Operations Across the Supply Chain – 4 credit hours
  GSCM209: Supply Chain Management Decision Support Tools and Applications – 4 credit hours
  GSCM326: Total Quality Management – 4 credit hours
  GSCM330: Strategic Supply and Master Planning – 4 credit hours
  GSCM434: Supply Chain Logistics, Distribution and Warehousing – 4 credit hours
  GSCM440: Supply Chain Procurement Management and Sourcing Strategy – 4 credit hours
  GSCM460: Global Issues in Supply Chain Management – 4 credit hours

- **Health Services Management – 28 credit hours required**
  HSM310: Introduction to Health Services Management – 4 credit hours
  HSM320: Health Rights and Responsibilities – 4 credit hours
  HSM330: Health Services Information Systems – 4 credit hours
  HSM340: Health Services Finance – 4 credit hours
  HSM410: Healthcare Policy – 4 credit hours
  HSM420: Managed Care and Health Insurance – 4 credit hours
  HSM430: Planning and Marketing for Health Services Organizations – 4 credit hours

- **Hospitality Management – 28 credit hours required**
  HOSP310: Introduction to Hospitality Management – 4 credit hours
  HOSP320: Foundations of Hotel Management – 4 credit hours
  HOSP330: Meetings and Events Management – 4 credit hours
  HOSP410: Restaurant Management – 4 credit hours
  HOSP420: Food Safety and Sanitation – 4 credit hours
  HOSP440: Casino Management – 4 credit hours
  HOSP450: Tourism Management – 4 credit hours

- **Human Resource Management – 28 credit hours required**
  BUSN412: Business Policy – 4 credit hours
  HRM320: Employment Law – 4 credit hours
  HRM330: Labor Relations – 4 credit hours
  HRM340: Human Resource Information Systems – 4 credit hours
  HRM410: Strategic Staffing – 4 credit hours
  HRM420: Training and Development – 4 credit hours
  HRM430: Compensation and Benefits – 4 credit hours

- **Marketing – 27 credit hours required**
  MKTG310: Consumer Behavior – 4 credit hours
  MKTG340: Digital Marketing Fundamentals – 3 credit hours
  MKTG410: Advertising and Public Relations – 4 credit hours
  MKTG435: Marketing Research and Analytics – 4 credit hours
  MKTG445: Brand Management – 4 credit hours
  MKTG455: Current Topics in Marketing – 4 credit hours
  One of:
  MKTG425: Personal Selling and Sales Management – 4 credit hours
  MKTG430: International Marketing – 4 credit hours
  SBE330: Creativity, Innovation and New Product Development – 4 credit hours

- **Project Management – 28 credit hours required**
  PROJ330: Human Resources and Communication in Projects – 4 credit hours
  PROJ410: Contracts and Procurement – 4 credit hours
  PROJ415: Project Quality Management – 4 credit hours
  PROJ420: Project Risk Management – 4 credit hours
  PROJ425: Project Management Methodologies – 4 credit hours
  One of:
  PROJ431: Applied Project Management – 4 credit hours
  PROJ432[7]: Certified Associate Project Management Exam Preparation – 4 credit hours
  One of:
  PROJ435: Project Management Technologies – 4 credit hours
  PROJ440: Construction Project Management – 4 credit hours
  PROJ445: IT Project Management – 4 credit hours

- **Small Business Management and Entrepreneurship – 27 credit hours required**
  BUSN258: Customer Relations – 4 credit hours
  LAWS310: The Legal Environment – 3 credit hours
  SBE310: Small Business Management and Entrepreneurship – 4 credit hours
  SBE330: Creativity, Innovation and New Product Development – 4 credit hours

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

SBE420: Operational Issues in Small Business Management – 4 credit hours
SBE430: E-Commerce for Small Business – 4 credit hours
SBE440: Business Plan Writing for Small Businesses and Entrepreneurs – 4 credit hours

Notes
Visit the General Notes section for additional information.

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

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

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

Students who successfully complete LEAD570G and/or MIS540G are eligible to earn a digital badge for the course. Visit the Skills Coursework and Badges section.

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

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

Technical Management Bachelor's Degree Program

DeVry's bachelor's degree completion program in Technical Management is designed to prepare students to meet the challenges of a high-tech, global marketplace. Coursework helps students learn management skills needed to work in many business areas and industries, such as accounting, project management and information technology. Additionally, through experiential projects, students can develop the business acumen needed in today's business world.

The program offers multiple technical specialties and a General Technical Option (GTO) as shown in the following program outline. A separate outline shows the program's technical specialty in Health Information Management. Students who have not chosen an area of specialization may begin the program in "Undeclared" status; however, they must select a technical specialty by the time they have earned 30 semester-credit hours toward their degree.

Programmatic Accreditation and Alignment

This program is accredited by the Accreditation Council for Business Schools and Programs (ACBSP), demonstrating it has met standards of business education that promote teaching excellence. ACBSP has also granted specialized accounting accreditation to this program when completed with a specialization in Accounting.

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

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

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

More information is available in the Programmatic Accreditation and Recognition section.

Igniting the Potential of Degree Completers

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

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

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 (visit the Special Admission Requirements section).

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

- Apply comprehensive research using appropriate technologies to solve business problems in the global workforce.
- 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
Degree requirements are specified in an individual plan of study developed with each student through academic advising. Each plan includes a minimum of six credit hours in each General Education course area (Communication Skills, Humanities, Social Sciences, and Mathematics and Natural Sciences). Each plan also includes at least 42 semester-credit hours that must be earned in upper-division coursework (DeVry courses numbered 300-499). Upper-division coursework shown in all course areas in the Program Outline section, including the Electives course area, is applicable to the 42-semester-credit-hour requirement.

Students should check with their advisor to determine if they are able to apply prior credits to satisfy degree requirements, especially in General Education course areas.

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)
- **Total semesters:** 8 full time, assuming enrollment in 12-19 credit hours per semester; enrollment in additional credit hours may be needed in some semesters
- **Minimum credit hours required for graduation:** 122
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 4 years, assuming enrollment in 2 semesters per 12-month period[1]
  - **Minimum time to complete:** 2 years, 8 months, assuming continuous year-round enrollment (3 semesters per 12-month period)[2]

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

[1] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[2] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

students with qualifying transfer credit. Credit hours beyond the minimum may affect program length and cost. Students should contact a student support advisor for more information.

Program Outline
Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Additional program-related information and notes are found after the program outline.

Communication Skills – 11[3] credit hours required

ENGL112[4]: Composition – 4 credit hours
ENGL135: Advanced Composition – 4 credit hours
SPCH275: Public Speaking – 3 credit hours

Humanities – 6 credit hours required

ETHC445: Principles of Ethics – 3 credit hours
LAS432: Technology, Society, and Culture – 3 credit hours

Social Sciences – 6 credit hours required

ECON312: Principles of Economics – 3 credit hours
SOCS185[5]: Culture and Society – 3 credit hours

Mathematics and Natural Sciences – 12 credit hours required

MATH114: Algebra for College Students – 4 credit hours
SCI228[6]: Nutrition, Health and Wellness with Lab – 4 credit hours
One of[7]:
MATH200: Quantitative Reasoning – 4 credit hours
MATH221: Statistics for Decision-Making – 4 credit hours

Personal and Professional Development – 5 credit hours required

CARD405: Career Development – 2 credit hours
COLL148: Critical Thinking and Problem-Solving – 3 credit hours

Business Core – 21 credit hours required

BIAM110: Introduction to Business Analytics – 3 credit hours
BIS155: Data Analysis with Spreadsheets with Lab – 3 credit hours
BUSN115: Introduction to Business and Technology – 3 credit hours
BUSN319: Marketing – 3 credit hours
COMP100: Computer Applications for Business with Lab – 2 credit hours
MGMT303: Principles of Management – 3 credit hours

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[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 Nevada location must take POLI332 as part of this requirement, the Additional General Education Selection or the Electives.
[6] Students enrolled at a New Jersey location must take TECH204 to fulfill this requirement.
[7] Students selecting the Business Analytics technical specialty must take MATH221.

One of[8]:
ACCT207: Fundamentals of Accounting – 4 credit hours
ACCT212: Financial Accounting – 4 credit hours

Management and Technology – 8 credit hours required

One of:
BIS245: Database Essentials for Business with Lab – 4 credit hours
BIS275: Advanced Excel – 4 credit hours
One of[9]:
MGMT404: Project Management – 4 credit hours
PROJ404: Project Management for the Profession – 4 credit hours

Senior Project – 3 credit hours required

BUSN460: Senior Project – 3 credit hours

Electives[10, 11, 12, 13] – 23 credit hours required

Electives may be chosen from courses listed in the Course Descriptions section provided they are not used to meet other graduation requirements, course prerequisites are met and the Elective course area credit hour requirement is satisfied. Students are encouraged to contact a student support advisor regarding elective course options.

The following electives ensure students meet prerequisite requirements. Qualifying prior college coursework not meeting other program requirements may be applied toward elective hours.

ACCT360: Managerial Accounting – 3 credit hours
BIAM300: Managerial Applications of Business Analytics – 4 credit hours
BIS310: Compliance and Security Management – 4 credit hours
BUSN315: Contemporary Business – 3 credit hours
BUSN350: Business Analysis – 3 credit hours
BUSN369: International Business – 4 credit hours
BUSN379: Finance – 3 credit hours
GSCM206: Managing Across the Supply Chain – 4 credit hours
LEAD335: Cross-Cultural Leadership – 4 credit hours
LEAD430: Consulting and Problem-Solving – 3 credit hours
MGMT410: Human Resource Management – 4 credit hours
TECH408: Applied AI for Management and Technology – 3 credit hours

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[8] Students selecting the Accounting or Finance technical specialty must take ACCT212.
[9] Students selecting the Project Management technical specialty must take PROJ404.
[10] 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.
[11] 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.
[12] Students selecting the Accounting technical specialty must take ACCT360. Students selecting the Finance technical specialty must take ACCT360 and BUSN379.
[13] Students selecting the Human Resource Management technical specialty must take MGMT410.

Technical Specialty – one technical specialty selected – required credit hours vary by technical specialty

A technical specialty consists of a sequence of interrelated courses focusing on a particular career area. With approval from a student support advisor, students choose one of the following options.

- **Option 1 – General Technical Option – 27 credit hours required**
  The General Technical Option (GTO) 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 – required credit hours vary by technical specialty**
  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 credit hours required**
    ACCT303: Intermediate Accounting I – 3 credit hours
    ACCT306: Intermediate Accounting II – 3 credit hours
    ACCT313: Intermediate Accounting III – 3 credit hours
    ACCT326: Federal Tax Accounting I – 3 credit hours
    ACCT406: Advanced Accounting – 3 credit hours
    ACCT426: Federal Tax Accounting II – 3 credit hours
    ACCT436: Advanced Cost Management – 3 credit hours
    ACCT446: Auditing – 3 credit hours
    ACCT454: Accounting Information Systems – 3 credit hours

  - **Business Analytics – 27 credit hours required**
    BIAM300: Managerial Applications of Business Analytics – 4 credit hours
    BIAM400: Applied Business Analytics – 4 credit hours
    BIAM410: Database Concepts in Business Intelligence – 4 credit hours
    BIAM420: Introduction to Internet Analytics – 4 credit hours
    BIAM430: Introduction to Visualization and Predictive Analytics – 4 credit hours
    BUSN340: Introduction to Risk Analysis – 4 credit hours
    One of:
    BIAM320: Analytics in the Business Environment – 3 credit hours
    BUSN350: Business Analysis – 3 credit hours
    LEAD430: Consulting and Problem-Solving – 3 credit hours

  - **Finance – 28 credit hours required**
    ACCT303: Intermediate Accounting I – 3 credit hours
    ACCT326: Federal Tax Accounting I – 3 credit hours
    ACCT426: Federal Tax Accounting II – 3 credit hours
    ACCT436: Advanced Cost Management – 3 credit hours
    FIN351: Investment Fundamentals and Security Analysis – 4 credit hours
    FIN364: Money and Banking – 4 credit hours

FIN382: Financial Statement Analysis – 4 credit hours
FIN390: Fixed Income Securities Analysis – 4 credit hours

- **Global Supply Chain Management – 28 credit hours required**
  GSCM206: Managing Operations Across the Supply Chain – 4 credit hours
  GSCM209: Supply Chain Management Decision Support Tools and Applications – 4 credit hours
  GSCM326: Total Quality Management – 4 credit hours
  GSCM330: Strategic Supply and Master Planning – 4 credit hours
  GSCM434: Supply Chain Logistics, Distribution and Warehousing – 4 credit hours
  GSCM440: Supply Chain Procurement Management and Sourcing Strategy – 4 credit hours
  GSCM460: Global Issues in Supply Chain Management – 4 credit hours

- **Health Services Management – 28 credit hours required**
  HSM310: Introduction to Health Services Management – 4 credit hours
  HSM320: Health Rights and Responsibilities – 4 credit hours
  HSM330: Health Services Information Systems – 4 credit hours
  HSM340: Health Services Finance – 4 credit hours
  HSM410: Healthcare Policy – 4 credit hours
  HSM420: Managed Care and Health Insurance – 4 credit hours
  HSM430: Planning and Marketing for Health Services Organizations – 4 credit hours

- **Hospitality Management – 28 credit hours required**
  HOSP310: Introduction to Hospitality Management – 4 credit hours
  HOSP320: Foundations of Hotel Management – 4 credit hours
  HOSP330: Meetings and Events Management – 4 credit hours
  HOSP410: Restaurant Management – 4 credit hours
  HOSP420: Food Safety and Sanitation – 4 credit hours
  HOSP440: Casino Management – 4 credit hours
  HOSP450: Tourism Management – 4 credit hours

- **Human Resource Management – 28 credit hours required**
  BUSN412: Business Policy – 4 credit hours
  HRM320: Employment Law – 4 credit hours
  HRM330: Labor Relations – 4 credit hours
  HRM340: Human Resource Information Systems – 4 credit hours
  HRM410: Strategic Staffing – 4 credit hours
  HRM420: Training and Development – 4 credit hours
  HRM430: Compensation and Benefits – 4 credit hours

- **Information Technology and Cybersecurity Fundamentals – 28 credit hours required**
  CEIS101C: Introduction to Technology and Information Systems – 2 credit hours
  CEIS106: Introduction to Operating Systems – 4 credit hours
  CEIS110: Introduction to Programming – 3 credit hours

CEIS114: Introduction to Digital Devices – 3 credit hours
NETW191: Fundamentals of Information Technology and Networking – 3 credit hours
NETW212: Introduction to Cloud Computing – 3 credit hours
SEC285: Fundamentals of Information System Security – 3 credit hours
SEC305: Cybersecurity and Data Privacy – 4 credit hours
One of:
SEC290: Fundamentals of Infrastructure Security – 3 credit hours
SEC311: Ethical Hacking – 3 credit hours
SEC322: Penetration Testing – 3 credit hours

- **Project Management – 28 credit hours required**
  PROJ330: Human Resources and Communication in Projects – 4 credit hours
  PROJ410: Contracts and Procurement – 4 credit hours
  PROJ415: Project Quality Management – 4 credit hours
  PROJ420: Project Risk Management – 4 credit hours
  PROJ425: Project Management Methodologies – 4 credit hours
  One of:
  PROJ431: Applied Project Management – 4 credit hours
  PROJ432[14]: Certified Associate Project Management Exam Preparation – 4 credit hours
  One of:
  PROJ435: Project Management Technologies – 4 credit hours
  PROJ440: Construction Project Management – 4 credit hours
  PROJ445: IT Project Management – 4 credit hours

- **Sales and Marketing – 27 credit hours required**
  MKTG310: Consumer Behavior – 4 credit hours
  MKTG340: Digital Marketing Fundamentals – 3 credit hours
  MKTG410: Advertising and Public Relations – 4 credit hours
  MKTG435: Marketing Research and Analytics – 4 credit hours
  MKTG445: Brand Management – 4 credit hours
  MKTG455: Current Topics in Marketing – 4 credit hours
  One of:
  MKTG425: Personal Selling and Sales Management – 4 credit hours
  MKTG430: International Marketing – 4 credit hours
  SBE330: Creativity, Innovation and New Product Development – 4 credit hours

- **Small Business Management and Entrepreneurship – 27 credit hours required**
  BUSN258: Customer Relations – 4 credit hours
  LAWS310: The Legal Environment – 3 credit hours
  SBE310: Small Business Management and Entrepreneurship – 4 credit hours

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

SBE330: Creativity, Innovation and New Product Development – 4 credit hours
SBE420: Operational Issues in Small Business Management – 4 credit hours
SBE430: E-Commerce for Small Business – 4 credit hours
SBE440: Business Plan Writing for Small Businesses and Entrepreneurs – 4 credit hours

- **Option 3 – Criminal Justice Specialty – 27 credit hours required**
  Visit the Employment in Criminal Justice section to learn more about pre-employment screenings, training programs and prior experience that may be required to obtain employment in this field.

  CRMJ300: Criminal Justice – 3 credit hours
  CRMJ310: Law Enforcement – 3 credit hours
  CRMJ315: Juvenile Justice – 3 credit hours
  CRMJ320: Theory and Practice of Corrections – 3 credit hours
  CRMJ400: Criminology – 3 credit hours
  CRMJ410: Criminal Law and Procedure – 3 credit hours
  CRMJ420: Criminal Investigation – 3 credit hours
  CRMJ425: Ethics and Criminal Justice – 3 credit hours
  CRMJ450: Terrorism Investigation – 3 credit hours

Technical Management Program – Health Information Management (HIM) Specialty

The Health Information Management (HIM) specialty is designed for students who wish to develop a solid business foundation for the workplace. This specialization further focuses studies by helping students become familiar with information systems and health policy in support of careers in healthcare settings.

DIGITAL HEALTH CORE – Essential Health Information Skills for Modern Healthcare

The Technical Management program with a Health Information Management specialty includes DeVry's Digital Health Core series of courses, designed to help students develop a set of interdisciplinary skills for today's rapidly evolving health information field. Courses explore principles used throughout the healthcare ecosystem, exposing students to essential topics related to medical terminology, compliance, ethics, electronic medical records, patient privacy and digital aspects of the healthcare delivery system.

The Digital Health Core curriculum also provides students hands-on experience with industry-standard software systems and simulated patient records.

Note: To complete their program, students in the HIM specialty must meet requirements outlined in the Healthcare Practicum and Clinical Coursework Requirements section and in the Healthcare Site Requirements and General Information section.

Note: Those who have earned a Medical Billing & Coding or Medical Billing & Coding – Health Information Coding undergraduate certificate, or an associate degree in Health Information Technology, through DeVry can apply eligible coursework in these programs toward the University's bachelor's degree in Technical Management. Students should note that future

programmatic changes could impact application of credit to a future program. Contact a student support advisor for more information.

Program Outline
Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Additional program-related information and notes are found after the program outline.

Communication Skills – 7 credit hours required

ENGL112: Composition – 4 credit hours
ENGL136: Advanced Composition – 3 credit hours

Humanities – 6 credit hours required

ETHC445: Principles of Ethics – 3 credit hours
LAS432: Technology, Society, and Culture – 3 credit hours

Social Sciences – 6 credit hours required

ECON312: Principles of Economics – 3 credit hours
SOCS185: Culture and Society – 3 credit hours

Mathematics and Natural Sciences – 19 credit hours required

BIOS106: Fundamentals of Human Anatomy and Physiology – 4 credit hours
BIOS266: Pathopharmacology – 3 credit hours
HIM325: Healthcare Statistics and Research – 4 credit hours
MATH114: Algebra for College Students – 4 credit hours
MATH221: Statistics for Decision-Making – 4 credit hours

Personal and Professional Development – 5 credit hours required

CARD405: Career Development – 2 credit hours
HIT102: Professional Skills for Healthcare – 3 credit hours

Business and Management – 21 credit hours required

BIAM110: Introduction to Business Analytics – 3 credit hours
BUSN115: Introduction to Business and Technology – 3 credit hours
HSM342: Health Services Finance – 4 credit hours
HSM412: Healthcare Policy – 4 credit hours
MGMT303: Principles of Management – 3 credit hours
MGMT404: Project Management – 4 credit hours

Digital Health Core – 12 credit hours required

HIT112: Basic Medical Terminology – 3 credit hours
HIT126: Electronic Health Records and Digital Health – 3 credit hours
HIT224: Medical Ethics, Compliance and Patient Privacy – 3 credit hours
HIT236: Health Insurance Billing and Reimbursement – 3 credit hours

Health Information Technology and Medical Coding – 15 credit hours required

HIT175: Health Information Technology Application – 3 credit hours
HIT207: CPT Coding with Application – 3 credit hours
HIT221: ICD Coding I with Application – 3 credit hours
HIT228: ICD Coding II with Application – 3 credit hours
HIT229: Healthcare Quality and Data Analytics – 3 credit hours

Health Information Management Specialty – 25 credit hours required

HIM335: Health Information Systems and Networks with Lab – 3 credit hours
HIM355: Advanced Classification Systems and Management with Lab – 3 credit hours
HIM378: Cybersecurity and Data Privacy in Healthcare – 4 credit hours
HIM410: Health Information Financial Management – 3 credit hours
HIM420: Healthcare Total Quality Management – 4 credit hours
HIM435: Management of Health Information Functions and Services – 4 credit hours
HSM312: Introduction to Health Services Management – 4 credit hours

Career Preparation – 6 credit hours required

HIM461[15]: Health Information Management Practicum – 3 credit hours
HIM465: Registered Health Information Administrator Exam Preparation – 3 credit hours

Notes
Visit the General Notes section for additional information.

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

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

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

Employment positions determined to be in field for graduates of the Bachelor of Science in Technical Management (in New York, Bachelor of Professional Studies in Technical Management; in Ohio, Bachelor of Technical Management) degree program include General and Operations Managers (11-1021.00); Sales Managers (11-2022.00); Administrative Services Managers (11-3012.00); Industrial Production Managers (11-3051.00); Transportation, Storage, and Distribution Managers (11-3071.00); Construction Managers (11-9021.00); Social and Community Service Managers (11-9151.00); Managers, All Other (11-9199.00); Cost Estimators (13-1051.00); Management Analysts (13-1111.00);

[15] Course provided at no tuition charge for students selecting the Health Information Management specialty.

Financial Analysts (13-2051.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

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

College of Engineering & Information Sciences

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

The following pages provide details on undergraduate programs offered through the College of Engineering & Information Sciences. Each program features DeVry University's Tech Core coursework, which is designed to help students build interdisciplinary skills for an ever-evolving digital world.

Certificate Programs
- Cloud Computing
- Cyber Security
- Data Mining & Analytics
- Engineering Technology
- Information Technology Essentials
- Internet of Things
- Networking Essentials
- Programming Essentials
- Software Design & Solutions
- Web & Mobile Application Development

Associate Degree Programs
- Cybersecurity & Networking
- Engineering Technology
- Information Technology & Networking

Bachelor's Degree Programs
- Computer Information Systems
- Cybersecurity & Networking
- Engineering Technology
- Information Technology & Networking
- Software Development

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

Undergraduate Certificate Programs

Cloud Computing Certificate Program

DeVry's Cloud Computing undergraduate certificate program is designed to prepare students with knowledge and skills needed to improve business productivity and effectiveness through Infrastructure, Platform and Software as a service (known as IaaS, PaaS and SaaS). The curriculum includes hands-on experience in implementing, configuring and managing cloud technologies and virtualization environments. Coursework also covers web architecture and infrastructure, security and risk mitigation, and industry standards and best practices as applied to cloud services.

TECH CORE – The Internet of Things Experience
This program features a sequence of Tech Core courses to help build a set of interdisciplinary skills for today's fast changing digital world. These courses teach principles used throughout the Internet of Things (IoT) ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security.

Tech Core curriculum includes course instruction providing a practical, hands-on experience with IoT, cloud, software and security technologies and systems.

Program 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
- **Total semesters:** 4, assuming enrollment in 8-12 credit hours per semester
- **Minimum credit hours required for completion:** 40
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 2 years, assuming enrollment in 2 semesters per 12-month period[1]
  - **Minimum time to complete:** 1 year, 4 months, assuming continuous year-round enrollment (3 semesters per 12-month period)[2]

Program Outline
Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Additional program-related information and notes are found after the program outline.

[1] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[2] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

Mathematics – 4 credit hours required

MATH114: Algebra for College Students – 4 credit hours

Tech Core – 18 credit hours required

CEIS101C: Introduction to Technology and Information Systems – 2 credit hours
CEIS106: Introduction to Operating Systems – 4 credit hours
CEIS110: Introduction to Programming – 3 credit hours
NETW191: Fundamentals of Information Technology and Networking – 3 credit hours
NETW212: Introduction to Cloud Computing – 3 credit hours
SEC285: Fundamentals of Information System Security – 3 credit hours

Cloud Computing – 16 credit hours required

NETW314: Cloud Computing – 3 credit hours
NETW404: Data Center Virtualization – 3 credit hours
SEC380: Cloud Computing Security – 4 credit hours
One of:
NETW350: Cloud Services – 3 credit hours
NETW351: Cloud Architecture – 3 credit hours
One of:
NETW450: Cloud Development – 3 credit hours
NETW451: Cloud Operations – 3 credit hours

Career Preparation – 2 credit hours required

CEIS298: Introduction to Technical Project Management – 1 credit hour
CEIS499: Preparation for the Profession – 1 credit hour

Notes
Visit the General Notes section for additional information.

Employment positions determined to be in field for graduates of the Undergraduate Certificate program in Cloud Computing include Computer Systems Analysts (15-1211.00); Computer User Support Specialists (15-1232.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

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

Cyber Security Certificate Program

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

Programmatic Acknowledgement

Students pursuing this undergraduate certificate should note that DeVry's cybersecurity curriculum is acknowledged and verified as an approved provider by the National Initiative for Cybersecurity Careers and Studies. More information is available in the Programmatic Accreditation and Recognition section.

TECH CORE – The Internet of Things Experience

This program features a sequence of Tech Core courses to help build a set of interdisciplinary skills for today's fast changing digital world. These courses teach principles used throughout the Internet of Things (IoT) ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security.

Tech Core curriculum includes course instruction providing a practical, hands-on experience with IoT, cloud, software and security technologies and systems.

Students who complete the Cyber Security undergraduate certificate program can apply eligible coursework to DeVry's associate degree program in Cybersecurity & Networking, or to its bachelor's degree program in Information Technology & Networking with a track in Cyber Security.

Program Outcomes

This program is designed to produce 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
- **Total semesters:** 4, assuming enrollment in 7-13 credit hours per semester
- **Minimum credit hours required for completion:** 40
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 1 year, 6 months, assuming enrollment in 2 semesters per 12-month period[1]
  - **Minimum time to complete:** 1 year, 2 months, assuming continuous year-round enrollment (3 semesters per 12-month period)[2]

Program Outline

Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Additional program-related information and notes are found after the program outline.

Mathematics – 4 credit hours required

MATH114: Algebra for College Students – 4 credit hours

Tech Core – 21 credit hours required

CEIS101C: Introduction to Technology and Information Systems – 2 credit hours
CEIS106: Introduction to Operating Systems – 4 credit hours
CEIS110: Introduction to Programming – 3 credit hours
CEIS114: Introduction to Digital Devices – 3 credit hours
NETW191: Fundamentals of Information Technology and Networking – 3 credit hours
NETW212: Introduction to Cloud Computing – 3 credit hours
SEC285: Fundamentals of Information System Security – 3 credit hours

Career Preparation – 1 credit hour required

CEIS298: Introduction to Technical Project Management – 1 credit hour

Cyber Security – 14 credit hours required

SEC290: Fundamentals of Infrastructure Security – 3 credit hours
SEC305: Cybersecurity and Data Privacy – 4 credit hours
SEC335: Incident Response and Digital Forensics – 4 credit hours
One of:
SEC311: Ethical Hacking – 3 credit hours
SEC322: Penetration Testing – 3 credit hours

[1] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[2] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

Notes
Visit the General Notes section for additional information.

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

Employment positions determined to be in field for graduates of the Undergraduate Certificate program in Cyber Security include Information Security Analysts (15-1212.00); Computer User Support Specialists (15-1232.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the Cyber Security undergraduate certificate program **web page.**

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 program explores practical uses for programming, analytics software packages and data mining tools to manage, manipulate and present small to large data sets, which can help students develop the ability to use and/or develop software tools to support organizational decision-making, essential in the workplace. The curriculum also covers strategies for data acquisition, retrieval, storage, management, interpretation and analysis, and introduces predictive analytics, modeling methods and visualization.

TECH CORE – The Internet of Things Experience

This program features a sequence of Tech Core courses to help build a set of interdisciplinary skills for today's fast changing digital world. These courses teach principles used throughout the Internet of Things (IoT) ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security.

Tech Core curriculum includes course instruction providing a practical, hands-on experience with IoT, cloud, software and security technologies and systems.

Program 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
- **Total semesters:** 4, assuming enrollment in 8-13 credit hours per semester
- **Minimum credit hours required for completion:** 43
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 2 years, assuming enrollment in 2 semesters per 12-month period[1]
  - **Minimum time to complete:** 1 year, 4 months, assuming continuous year-round enrollment (3 semesters per 12-month period)[2]

[1] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[2] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

Program Outline
Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Additional program-related information and notes are found after the program outline.

Mathematics – 8 credit hours required

MATH114: Algebra for College Students – 4 credit hours
TECH221: Data-Driven Decision-Making – 4 credit hours

Tech Core – 9 credit hours required

CEIS101C: Introduction to Technology and Information Systems – 2 credit hours
CEIS106: Introduction to Operating Systems – 4 credit hours
CEIS110: Introduction to Programming – 3 credit hours

Coding and Programming – 11 credit hours required

CEIS150: Programming Objects – 4 credit hours
CEIS236: Database Systems and Programming Fundamentals – 4 credit hours
CIS313: AI-Driven Business Application Coding – 3 credit hours

Data and Analysis – 12 credit hours required

CEIS340: Database Management – 3 credit hours
CIS303: Data Visualization and Presentation – 3 credit hours
CIS306: AI, Machine Learning and Data Science – 3 credit hours
SEC302: Data Administration and Security – 3 credit hours

Career Preparation – 3 credit hours required

CARD205: Career Development – 2 credit hours
CEIS298: Introduction to Technical Project Management – 1 credit hour

Notes
Visit the General Notes section for additional information.

Employment positions determined to be in field for graduates of the Undergraduate Certificate program in Data Mining and Analytics include Software Developers (15-1252.00); Web Administrators (15-1299.01). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the Data Mining & Analytics undergraduate certificate program web page.

Engineering Technology Certificate Program

DeVry's Engineering Technology undergraduate certificate program provides students with foundational knowledge and readily marketable skills for entry-level positions in a variety of technical fields. The curriculum includes information technology essentials, which are complemented by technical coursework applicable to many disciplines. Students also explore system automation. The program offers focused areas of study, as shown in the program outline.

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

TECH CORE – The Internet of Things Experience
This program features a sequence of Tech Core courses to help build a set of interdisciplinary skills for today's fast changing digital world. These courses teach principles used throughout the Internet of Things (IoT) ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security.

Tech Core curriculum includes course instruction providing a practical, hands-on experience with IoT, cloud, software and security technologies and systems.

Program 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
- **Total semesters:** 3 full time, assuming enrollment in 13 credit hours per semester
- **Minimum credit hours required for completion:** 39
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete**: 1 year, 4 months, assuming enrollment in 2 semesters per 12-month period[1]
  - **Minimum time to complete:** 12 months, assuming continuous year-round enrollment (3 semesters per 12-month period)[2]

[1] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[2] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

Program Outline
Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Additional program-related information and notes are found after the program outline.

Mathematics – 4 credit hours required

MATH114: Algebra for College Students – 4 credit hours

Tech Core – 8 credit hours required

CEIS101C: Introduction to Technology and Information Systems – 2 credit hours
CEIS110: Introduction to Programming – 3 credit hours
CEIS114: Introduction to Digital Devices – 3 credit hours

Program Focus – 15 credit hours required

ECT226: Electronic Device and System Foundations – 3 credit hours
ECT286: Automation and Control – 3 credit hours
Three of[3]:
ECT308: Introduction to Computer-Aided Design – 3 credit hours
ECT313: Generative Design – 3 credit hours
ECT315: Industrial IoT – 3 credit hours
ECT320: Manufacturing Processes and Systems – 3 credit hours
ECT325: Electromechanical Systems – 3 credit hours
NETW191: Fundamentals of Information Technology and Networking – 3 credit hours
NETW212: Introduction to Cloud Computing – 3 credit hours

Career Preparation – 2 credit hour required

CARD205: Career Development – 2 credit hours

One Option Selected – 10 credit hours required

- **Machine Learning and Design Techniques – 10 credit hours required**
  TECH221: Data-Driven Decision-Making – 4 credit hours
  Two of:
  ECT313: Generative Design – 3 credit hours
  TECH231: Introduction to Artificial Intelligence Applications – 3 credit hours
  TECH310: Process Improvement – 3 credit hours

- **Medical Technology and Healthcare Systems – 10 credit hours required**
  BIOS105: Fundamentals of Human Anatomy and Physiology – 4 credit hours
  Two of:
  BMET314: Medical Instrumentation – 3 credit hours
  BMET316: Medical Imaging Technology – 3 credit hours
  BMET318: Telemedicine – 3 credit hours

[3] Students choosing to complete ECT313 within the Machine Learning and Design Techniques Option must take ECT308.

- **Renewable Energy and Sustainable Power – 10 credit hours required**
  TECH215: Introduction to Sustainability – 4 credit hours
  Two of:
  REET302: Introduction to Alternative Energy Technologies – 3 credit hours
  REET322: Power Electronics and Alternative Energy Applications – 3 credit hours
  REET326: Electric Machines and Power Systems – 3 credit hours

- **General Option – 10 credit hours required**
  Students select applicable courses from the College of Engineering & Information Sciences and College of Business & Management provided prerequisites are met. Courses within other Colleges may be applied with permission from the appropriate academic administrator.

Notes
Visit General Notes section for additional information.

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

Employment positions determined to be in field for graduates of the Undergraduate Certificate program in Engineering Technology include Electrical and Electronic Engineering Technologists and Technicians (17-3023.00); Electro-Mechanical and Mechatronics Technologists and Technicians (17-3024.00); Industrial Engineering Technologists and Technicians (17-3026.00); Engineering Technologist and Technicians, Except Drafters, All Other (17-3029.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the Engineering Technology undergraduate certificate program **web page.**

Information Technology Essentials Certificate Program

DeVry's Information Technology Essentials undergraduate certificate program provides students with a background in major topics of information systems that drive computing and information technology today. A basic introduction to computer hardware, network functionality, software utility and information security is provided.

TECH CORE – The Internet of Things Experience
This program features a sequence of Tech Core courses to help build a set of interdisciplinary skills for today's fast changing digital world. These courses teach principles used throughout the Internet of Things (IoT) ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security.

Tech Core curriculum includes course instruction providing a practical, hands-on experience with IoT, cloud, software and security technologies and systems.

Students who complete the Information Technology Essentials undergraduate certificate program can apply eligible coursework to DeVry's 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
- **Total semesters:** 3, assuming enrollment in 4-13 credit hours per semester
- **Minimum credit hours required for completion:** 23
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 1 year, 2 months, assuming enrollment in 2 semesters per 12-month period[1]
  - **Minimum time to complete:** 8 months, assuming continuous year-round enrollment (3 semesters per 12-month period)[2]

Program Outline
Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Additional program-related information and notes are found after the program outline.

[1] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[2] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

Mathematics – 4 credit hours required

MATH114: Algebra for College Students – 4 credit hours

Tech Core – 18 credit hours required

CEIS101C: Introduction to Technology and Information Systems – 2 credit hours
CEIS106: Introduction to Operating Systems – 4 credit hours
CEIS110: Introduction to Programming – 3 credit hours
CEIS114: Introduction to Digital Devices – 3 credit hours
NETW191: Fundamentals of Information Technology and Networking – 3 credit hours
NETW212: Introduction to Cloud Computing – 3 credit hours

Career Preparation – 1 credit hour

CEIS297: Technology Career Foundations – 1 credit hour

Notes
Visit the General Notes section for additional information.

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

Employment positions determined to be in field for graduates of the Undergraduate Certificate program in Information Technology Essentials include Computer User Support Specialists (15-1232.00); Computer System Analysts (15-1211.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the Information Technology Essentials undergraduate certificate program **web page.**

Internet of Things Certificate Program

DeVry's Internet of Things (IoT) undergraduate certificate program is designed to prepare students with knowledge and skills needed to integrate industrial and enterprise ventures with an IoT infrastructure facilitating connectivity between information technology (IT) systems and automation and control. The curriculum includes hands-on experience in implementing, configuring and managing IoT systems. Coursework also covers information security and mobile devices, security and risk identification, and industry standards and best practices as applied to IoT systems.

TECH CORE – The Internet of Things Experience

This program features a sequence of Tech Core courses to help build a set of interdisciplinary skills for today's fast changing digital world. These courses teach principles used throughout the Internet of Things (IoT) ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security.

Tech Core curriculum includes course instruction providing a practical, hands-on experience with IoT, cloud, software and security technologies and systems.

Program 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
- **Total semesters:** 4, assuming enrollment in 9-12 credit hours per semester
- **Minimum credit hours required for completion:** 40
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 2 years, assuming enrollment in 2 semesters per 12-month period[1]
  - **Minimum time to complete:** 1 year, 4 months, assuming continuous year-round enrollment (3 semesters per 12-month period)[2]

Program Outline

Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Additional program-related information and notes are found after the program outline.

[1] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[2] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

Mathematics – 4 credit hours required

MATH114: Algebra for College Students – 4 credit hours

Tech Core – 21 credit hours required

CEIS101C: Introduction to Technology and Information Systems – 2 credit hours
CEIS106: Introduction to Operating Systems – 4 credit hours
CEIS110: Introduction to Programming – 3 credit hours
CEIS114: Introduction to Digital Devices – 3 credit hours
NETW191: Fundamentals of Information Technology and Networking – 3 credit hours
NETW212: Introduction to Cloud Computing – 3 credit hours
SEC285: Fundamentals of Information System Security – 3 credit hours

Mobile and Distributed Devices – 13 credit hours required

CEIS490: Ecosystem of The Internet of Things – 3 credit hours
ECT286: Automation and Control – 3 credit hours
ECT315: Industrial IoT – 3 credit hours
NETW411: Information Security and Mobile Devices – 4 credit hours

Career Preparation – 2 credit hours required

CEIS298: Introduction to Technical Project Management – 1 credit hour
CEIS499: Preparation for the Profession – 1 credit hour

Notes
Visit the General Notes section for additional information.

Employment positions determined to be in field for graduates of the Undergraduate Certificate program in Internet of Things include Computer Network Architect (15-1241.00); Computer User Support Specialist (15-1232.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the Internet of Things undergraduate certificate program web page.

Networking Essentials Certificate Program

The Networking Essentials undergraduate certificate program is designed to provide students with knowledge, skills and abilities to create and implement physical and virtualized networks. The curriculum addresses cloud-based infrastructure; data center administration; and configuration, management, security and maintenance of essential network devices. Students explore how network configurations and cloud services can be optimized and applied to any industry or organization, as well as new and emerging technologies.

TECH CORE – The Internet of Things Experience

This program features a sequence of Tech Core courses to help build a set of interdisciplinary skills for today's fast changing digital world. These courses teach principles used throughout the Internet of Things (IoT) ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security.

Tech Core curriculum includes course instruction providing a practical, hands-on experience with IoT, cloud, software and security technologies and systems.

Program 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
- **Total semesters:** 3, assuming enrollment in 6-10 credit hours per semester
- **Minimum credit hours required for completion:** 23
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 1 year, 4 months, assuming enrollment in 2 semesters per 12-month period[1]
  - **Minimum time to complete:** 12 months, assuming continuous year-round enrollment (3 semesters per 12-month period)[2]

Program Outline

Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Additional program-related information and notes are found after the program outline.

[1] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[2] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

Mathematics – 4 credit hours required

MATH114: Algebra for College Students – 4 credit hours

Tech Core – 12 credit hours required

CEIS101C: Introduction to Technology and Information Systems – 2 credit hours
CEIS106: Introduction to Operating Systems – 4 credit hours
NETW191: Fundamentals of Information Technology and Networking – 3 credit hours
NETW212: Introduction to Cloud Computing – 3 credit hours

Network Systems Administration – 6 credit hours required

NETW260: Intermediate Information Technology & Networking I – 3 credit hours
NETW270: Intermediate Information Technology & Networking II – 3 credit hours

Career Preparation – 1 credit hour required

CEIS297: Technology Career Foundations – 1 credit hour

Notes
Visit the General Notes section for additional information.

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

Employment positions determined to be in field for graduates of the Undergraduate Certificate program in Networking Essentials include Computer User Support Specialists (15-1232.00); Computer System Analysts (15-1211.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

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

Programming Essentials Certificate Program

DeVry's Programming Essentials undergraduate certificate program is designed to provide students with basic coding skills to maximize their understanding and use of software. The program helps students develop initial expertise in using software to implement computer-based business solutions in information systems with languages such as Python and C#.

TECH CORE – The Internet of Things Experience
This program features a sequence of Tech Core courses to help build a set of interdisciplinary skills for today's fast changing digital world. These courses teach principles used throughout the Internet of Things (IoT) ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security.

Tech Core curriculum includes course instruction providing a practical, hands-on experience with IoT, cloud, software and security technologies and systems.

Program Outcomes

This program 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
- **Total semesters:** 2, assuming enrollment in 9-13 credit hours per semester
- **Minimum credit hours required for completion:** 22
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 8 months, assuming enrollment in 2 semesters per 12-month period[1]
  - **Minimum time to complete:** 8 months, assuming continuous year-round enrollment (3 semesters per 12-month period)[2]

Program Outline

Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Additional program-related information and notes are found after the program outline.

Mathematics – 4 credit hours required

MATH114: Algebra for College Students – 4 credit hours

[1] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[2] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

Tech Core – 9 credit hours required

CEIS101C: Introduction to Technology and Information Systems – 2 credit hours
CEIS106: Introduction to Operating Systems – 4 credit hours
CEIS110: Introduction to Programming – 3 credit hours

Information Systems and Programming – 8 credit hours required

CEIS150: Programming Objects – 4 credit hours
CEIS209: Intermediate Programming – 4 credit hours

Career Preparation – 1 credit hour required

CEIS297: Technology Career Foundations – 1 credit hour

Notes
Visit the General Notes section for additional information.

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

Employment positions determined to be in field for graduates of the Undergraduate Certificate program in Programming Essentials include Computer User Support Specialists (15-1232.00); Computer System Analysts (15-1211.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

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

Software Design & Solutions Certificate Program

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

TECH CORE – The Internet of Things Experience

This program features a sequence of Tech Core courses to help build a set of interdisciplinary skills for today's fast changing digital world. These courses teach principles used throughout the Internet of Things (IoT) ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security.

Tech Core curriculum includes course instruction providing a practical, hands-on experience with IoT, cloud, software and security technologies and systems.

Program 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
- **Total semesters:** 4, assuming enrollment in 7-13 credit hours per semester
- **Minimum credit hours required for completion:** 42
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 2 years, assuming enrollment in 2 semesters per 12-month period[1]
  - **Minimum time to complete:** 1 year, 4 months, assuming continuous year-round enrollment (3 semesters per 12-month period)[2]

Program Outline

Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Additional program-related information and notes are found after the program outline.

[1] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[2] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

Mathematics – 4 credit hours required

MATH114: Algebra for College Students – 4 credit hours

Tech Core – 9 credit hours required

CEIS101C: Introduction to Technology and Information Systems – 2 credit hours
CEIS106: Introduction to Operating Systems – 4 credit hours
CEIS110: Introduction to Programming – 3 credit hours

Information Systems and Programming – 12 credit hours required

CEIS150: Programming Objects – 4 credit hours
CEIS209: Intermediate Programming – 4 credit hours
CEIS236: Database Systems and Programming Fundamentals – 4 credit hours

Application Development – 3 credit hours required

CEIS295: Data Structures and Algorithms – 3 credit hours

Software Development – 12 credit hours required

CEIS200: Software Engineering I – 3 credit hours
CEIS320: Introduction to Mobile Device Programming – 3 credit hours
CEIS400: Software Engineering II – 3 credit hours
CEIS420: Programming Languages and Advanced Techniques – 3 credit hours

Career Preparation – 2 credit hours required

CEIS298: Introduction to Technical Project Management – 1 credit hour
CEIS499: Preparation for the Profession – 1 credit hour

Notes
Visit the General Notes section for additional information.

Employment positions determined to be in field for graduates of the Undergraduate Certificate program in Software Design and Solutions include Software Developers (15-1252.00); Software Quality Assurance Analysts and Testers (15-1253.00); Web Administrators (15-1299.01). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the Software Design & Solutions undergraduate certificate program **web page.**

Web & Mobile Application Development Certificate Program

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

TECH CORE – The Internet of Things Experience

This program features a sequence of Tech Core courses to help build a set of interdisciplinary skills for today's fast changing digital world. These courses teach principles used throughout the Internet of Things (IoT) ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security.

Tech Core curriculum includes course instruction providing a practical, hands-on experience with IoT, cloud, software and security technologies and systems.

Program 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
- **Total semesters:** 4, assuming enrollment in 8-13 credit hours per semester
- **Minimum credit hours required for completion:** 43
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 2 years, assuming enrollment in 2 semesters per 12-month period[1]
  - **Minimum time to complete:** 1 year, 4 months, assuming continuous year-round enrollment (3 semesters per 12-month period)[2]

Program Outline

Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Additional program-related information and notes are found after the program outline.

[1] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[2] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

Mathematics – 4 credit hours required

MATH114: Algebra for College Students – 4 credit hours

Tech Core – 9 credit hours required

CEIS101C: Introduction to Technology and Information Systems – 2 credit hours
CEIS106: Introduction to Operating Systems – 4 credit hours
CEIS110: Introduction to Programming – 3 credit hours

Information Systems and Programming – 12 credit hours required

CEIS150: Programming Objects – 4 credit hours
CEIS209: Intermediate Programming – 4 credit hours
CEIS236: Database Systems and Programming Fundamentals – 4 credit hours

Application Development – 4 credit hours required

CIS355A: Business Application Programming with Lab – 4 credit hours

Web and Mobile Application Development – 11 credit hours required

CEIS320: Introduction to Mobile Device Programming – 3 credit hours
CIS363B: Web Interface Design with Lab – 4 credit hours
CIS407A: Web Application Development with Lab – 4 credit hours

Career Preparation – 3 credit hours required

CARD205: Career Development – 2 credit hours
CEIS298: Introduction to Technical Project Management – 1 credit hour

Notes
Visit the General Notes section for additional information.

Employment positions determined to be in field for graduates of the Undergraduate Certificate program in Web and Mobile Application Development include Software Developers (15-1252.00); Software Quality Assurance Analysts and Testers (15-1253.00); Web Administrators (15-1299.01). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the Web & Mobile Application Development undergraduate certificate program **web page.**

Associate Degree Programs

Cybersecurity & Networking Associate Degree Program

DeVry's Cybersecurity & Networking associate degree program focuses on helping students gain skills needed to implement, maintain and update secure network infrastructures and environments for an organization. Coursework examines layout, implementation and management of interconnected computing devices, peripherals and associated software to maximize network efficiency and productivity. Students apply this knowledge to learn how to identify vulnerabilities in networks, software and devices, as well as how to protect them from cyberattack.

Programmatic Acknowledgement

Students in the Cybersecurity & Networking associate degree program should note that DeVry's cybersecurity curriculum is acknowledged and verified as an approved provider by the National Initiative for Cybersecurity Careers and Studies. More information is available in the Programmatic Accreditation and Recognition section.

TECH CORE – The Internet of Things Experience

This program features a sequence of Tech Core courses to help build a set of interdisciplinary skills for today's fast changing digital world. These courses teach principles used throughout the Internet of Things (IoT) ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security. Tech Core curriculum includes course instruction providing a practical, hands-on experience with IoT, cloud, software and security technologies and systems.

Program Educational Objectives

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 and maintain an organization's infrastructure from cyberattack.
- 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 are the skills and abilities students are expected to demonstrate at graduation. The student outcomes for this program include:

- Analyze a broadly defined problem in the program's domain and apply principles of the discipline to identify solutions.
- Design and implement solutions to meet a given set of computing requirements in the context of the program's discipline.
- Communicate effectively 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 of a team engaged in activities appropriate to the program's discipline.
- Apply security principles and practices to maintain operations in the presence of risks and threats.

Program Details

- **Degree:** Associate of Applied Science in Cybersecurity and Networking
- **Total semesters:** 4 full time, assuming enrollment in 13-17 credit hours per semester; enrollment in additional credit hours may be needed in some semesters
- **Minimum credit hours required for graduation:** 62
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 2 years, assuming enrollment in 2 semesters per 12-month period[1]
  - **Minimum time to complete:** 1 year, 4 months, assuming continuous year-round enrollment (3 semesters per 12-month period)[2]

Program Outline

Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Additional program-related information and notes are found after the program outline.

Communication Skills – 7 credit hours required

ENGL112: Composition – 4 credit hours

SPCH275: Public Speaking – 3 credit hours

Humanities – 3 credit hours required

ETHC232: Ethical and Legal Issues in the Professions – 3 credit hours

Social Sciences – 3 credit hours required

SOCS185: Culture and Society – 3 credit hours

Mathematics and Natural Sciences – 8 credit hours required

MATH114: Algebra for College Students – 4 credit hours

TECH204: Everyday Physics – 4 credit hours

Personal and Professional Development – 5 credit hours required

CARD205: Career Development – 2 credit hours

COLL148: Critical Thinking and Problem-Solving – 3 credit hours

Tech Core – 21 credit hours required

CEIS101: Introduction to Technology and Information Systems – 2 credit hours

CEIS106: Introduction to Operating Systems – 4 credit hours

CEIS110: Introduction to Programming – 3 credit hours

[1] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[2] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

CEIS114: Introduction to Digital Devices – 3 credit hours
NETW191: Fundamentals of Information Technology and Networking – 3 credit hours
NETW212: Introduction to Cloud Computing – 3 credit hours
SEC285: Fundamentals of Information System Security – 3 credit hours

Cybersecurity – 14 credit hours required

SEC290: Fundamentals of Infrastructure Security – 3 credit hours
SEC305: Cybersecurity and Data Privacy – 4 credit hours
SEC335: Incident Response and Digital Forensics – 4 credit hours
One of:
SEC311: Ethical Hacking – 3 credit hours
SEC322: Penetration Testing – 3 credit hours

Career Preparation – 1 credit hour required

CEIS298: Introduction to Technical Project Management – 1 credit hour

Notes
Visit the General Notes section for additional information.

Employment positions determined to be in field for graduates of the Associate of Applied Science in Cybersecurity & Networking degree program include Computer Network Support Specialists (15-1231.00). This position is used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the associate degree program in Cybersecurity & Networking web page.

Engineering Technology Associate Degree Program

DeVry's associate degree program in Engineering Technology delivers foundational knowledge and hands-on experience in the test, measurement and implementation of secured digital systems and devices. Coursework includes instruction in information technology, programming, controls and automation, as well as in digital systems and security. The program offers focused areas of study as shown in the program outline.

Programmatic Accreditation

This program is accredited by the Engineering Technology Accreditation Commission of ABET. More information is available in the Programmatic Accreditation and Recognition section.

TECH CORE – The Internet of Things Experience

This program features a sequence of Tech Core courses to help build a set of interdisciplinary skills for today's fast changing digital world. These courses teach principles used throughout the Internet of Things (IoT) ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security. Tech Core curriculum includes course instruction providing a practical, hands-on experience with IoT, cloud, software and security technologies and systems.

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

Program Educational Objectives

Program educational objectives (PEOs) are broad statements describing expectations of skill attainment within a few years of graduation. PEOs are based on the needs of the program's constituents and are a requirement of ETAC of ABET accreditation. Engineering Technology associate degree program PEOs are:

- Successfully support maintenance, installation, testing, and securing 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. These outcomes map directly to the current Student Outcome Criteria prescribed by ETAC of ABET. Student outcomes for the Engineering Technology associate degree program are:

- Apply knowledge, techniques, skills and modern tools of mathematics, science, engineering and technology to solve well-defined engineering problems appropriate to the discipline.
- Design solutions for well-defined technical problems, and assist with the engineering design of systems, components or processes appropriate to the discipline.
- Apply written, oral and graphical communication in well-defined technical and nontechnical environments, and an ability to identify and use appropriate technical literature.

- Conduct standard tests, measurements and experiments, and analyze and interpret results.
- Function effectively as a member of a technical team.

Program Details

- **Degree:** Associate of Applied Science in Engineering Technology
- **Total semesters:** 4 full time, assuming enrollment in 15-17 credit hours per semester; enrollment in additional credit hours may be needed in some semesters
- **Minimum credit hours required for graduation:** 64
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 2 years, assuming enrollment in 2 semesters per 12-month period[1]
  - **Minimum time to complete:** 1 year, 4 months, assuming continuous year-round enrollment (3 semesters per 12-month period)[2]

Program Outline

Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Additional program-related information and notes are found after the program outline.

Communication Skills – 7 credit hours required

ENGL112: Composition – 4 credit hours

SPCH275: Public Speaking – 3 credit hours

Humanities – 3 credit hours required

ETHC232: Ethical and Legal Issues in the Professions – 3 credit hours

Social Sciences – 3 credit hours required

SOCS185: Culture and Society – 3 credit hours

Mathematics and Natural Sciences – 8 credit hours required

MATH114: Algebra for College Students – 4 credit hours

TECH204: Everyday Physics – 4 credit hours

Personal and Professional Development – 5 credit hours required

CARD205: Career Development – 2 credit hours

COLL148: Critical Thinking and Problem-Solving – 3 credit hours

Tech Core – 12 credit hours required

CEIS101: Introduction to Technology and Information Systems – 2 credit hours

CEIS106: Introduction to Operating Systems – 4 credit hours

CEIS110: Introduction to Programming – 3 credit hours

CEIS114: Introduction to Digital Devices – 3 credit hours

[1] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[2] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

Program Focus – 15 credit hours required

ECT226: Electronic Device and System Foundations – 3 credit hours
ECT286: Automation and Control – 3 credit hours
Three of[3]:
ECT308: Introduction to Computer-Aided Design – 3 credit hours
ECT313: Generative Design – 3 credit hours
ECT315: Industrial IoT – 3 credit hours
ECT320: Manufacturing Processes and Systems – 3 credit hours
ECT325: Electromechanical Systems – 3 credit hours
NETW191: Fundamentals of Information Technology and Networking – 3 credit hours
NETW212: Introduction to Cloud Computing - 3 credit hours
SEC285: Fundamentals of Information System Security – 3 credit hours
TECH301: Design of Experiments – 3 credit hours

Career Preparation – 1 credit hour required

CEIS298: Introduction to Technical Project Management – 1 credit hour

One Option Selected – 10 credit hours required

- **Machine Learning and Design Techniques – 10 credit hours required**
  TECH221: Data-Driven Decision-Making – 4 credit hours
  Two of:
  ECT313: Generative Design – 3 credit hours
  TECH231: Introduction to Artificial Intelligence Applications – 3 credit hours
  TECH310: Process Improvement – 3 credit hours

- **Medical Technology and Healthcare Systems – 10 credit hours required**
  BIOS105: Fundamentals of Human Anatomy and Physiology – 4 credit hours
  Two of:
  BMET314: Medical Instrumentation – 3 credit hours
  BMET316: Medical Imaging Technology – 3 credit hours
  BMET318: Telemedicine – 3 credit hours

- **Renewable Energy and Sustainable Power – 10 credit hours required**
  TECH215: Introduction to Sustainability – 4 credit hours
  Two of:
  REET302: Introduction to Alternative Energy Technologies – 3 credit hours
  REET322: Power Electronics and Alternative Energy Applications – 3 credit hours
  REET326: Electric Machines and Power Systems – 3 credit hours

- **General Option – 10 credit hours required**
  Students select applicable courses from the College of Engineering & Information Sciences and College of Business & Management provided prerequisites are met. Courses within other Colleges may be applied with permission from the appropriate academic administrator.

[3] Students choosing to complete ECT313 within the Machine Learning and Design Techniques Option must take ECT308.

Notes
Visit the General Notes section for additional information.

Employment positions determined to be in field for graduates of the Associate of Applied Science in Engineering Technology degree program include Electrical and Electronic Engineering Technologists and Technicians (17-3023.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the associate degree program in Engineering Technology **web page.**

Information Technology & Networking Associate Degree Program

DeVry's Information Technology & Networking associate degree program provides students with a background in essential technologies as applied to practical business and industry situations. The program addresses installing, configuring and securing information technology, computing and/or automated systems.

The program offers tracks as shown in the following program outline. Students who have not chosen an area of specialization may begin the program in "Undeclared" status; however, they must select a track by the time they have earned 30 semester-credit hours toward their degree.

TECH CORE – The Internet of Things Experience
This program features a sequence of Tech Core courses to help build a set of interdisciplinary skills for today's fast changing digital world. These courses teach principles used throughout the Internet of Things (IoT) ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security. Tech Core curriculum includes course instruction providing a practical, hands-on experience with IoT, cloud, software and security technologies and systems.

Program Educational Objectives
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 a broadly defined problem in the program's domain and apply principles of the discipline to identify solutions.
- Design and implement solutions to meet a given set of computing requirements in the context of the program's discipline.
- Communicate effectively in a variety of professional contexts.
- Recognize professional responsibilities and make informed judgments in computing practice based on appropriate legal and ethical principles.
- Function effectively as a member of a team engaged in activities appropriate to the program's discipline.

Program Details

- **Degree:** Associate of Applied Science in Information Technology and Networking (in Florida, Associate of Science in Information Technology and Networking)
- **Total semesters:** 4 full time, assuming enrollment in 13-17 credit hours per semester; enrollment in additional credit hours may be needed in some semesters
- **Minimum credit hours required for graduation:** 60
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 2 years, assuming enrollment in 2 semesters per 12-month period[1]
  - **Minimum time to complete:** 1 year, 4 months, assuming continuous year-round enrollment (3 semesters per 12-month period)[2]

Program Outline

Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Additional program-related information and notes are found after the program outline.

Communication Skills – 7 credit hours required

ENGL112: Composition – 4 credit hours

SPCH275: Public Speaking – 3 credit hours

Humanities – 3 credit hours required

ETHC232: Ethical and Legal Issues in the Professions – 3 credit hours

Social Sciences – 3 credit hours required

SOCS185: Culture and Society – 3 credit hours

Mathematics and Natural Sciences – 8 credit hours required

MATH114: Algebra for College Students – 4 credit hours

TECH204: Everyday Physics – 4 credit hours

Personal and Professional Development – 5 credit hours required

CARD205: Career Development – 2 credit hours

COLL148: Critical Thinking and Problem-Solving – 3 credit hours

Tech Core – 21 credit hours required

CEIS101[3]: Introduction to Technology and Information Systems – 2 credit hours

CEIS106: Introduction to Operating Systems – 4 credit hours

CEIS110: Introduction to Programming – 3 credit hours

CEIS114: Introduction to Digital Devices – 3 credit hours

NETW191: Fundamentals of Information Technology and Networking – 3 credit hours

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[1] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[2] Assumes students remain on a minimum-time-to-complete schedule throughout their program.
[3] Students must take CEIS101 prior to taking any other course in the Tech Core and in all of the program's technical course areas, including Career Preparation and the Track.

NETW212: Introduction to Cloud Computing – 3 credit hours
SEC285: Fundamentals of Information System Security – 3 credit hours

Career Preparation – 1 credit hour required

CEIS298: Introduction to Technical Project Management – 1 credit hour

Track – one track selected – 12 credit hours required

- **Automation and Electronic Systems – 12 credit hours required**
  ECT226: Electronic Device and System Foundations – 3 credit hours
  ECT286: Automation and Control – 3 credit hours
  ECT315: Industrial IoT – 3 credit hours
  NETW310: Wired, Optical and Wireless Communications with Lab – 3 credit hours

- **Information Systems and Programming – 12 credit hours required**
  CEIS150: Programming Objects – 4 credit hours
  CEIS209: Intermediate Programming – 4 credit hours
  CEIS236: Database Systems and Programming Fundamentals – 4 credit hours

- **Network Systems Administration – 12 credit hours required**
  NETW260: Intermediate Information Technology & Networking I – 3 credit hours
  NETW270: Intermediate Information Technology & Networking II – 3 credit hours
  NETW310: Wired, Optical and Wireless Communications with Lab – 3 credit hours
  SEC290: Fundamentals of Infrastructure Security – 3 credit hours

Notes
Visit the General Notes section for additional information.

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

Employment positions determined to be in field for graduates of the Associate of Applied Science in Information Technology and Networking (in Florida, Associate of Science in Information Technology and Networking) degree program include Computer Systems Analysts (15-1211.00), Computer Network Support Specialists (15-1231.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the associate degree program in Information Technology & Networking web page.

Bachelor's Degree Programs

Computer Information Systems Bachelor's Degree Program

DeVry's Computer Information Systems (CIS) program is designed to prepare graduates to successfully join the workforce as technical and management professionals in various 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 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.

Programmatic Acknowledgement

CIS students pursuing the Cyber Security Programming track should note that DeVry's cybersecurity curriculum is acknowledged and verified as an approved provider of cyber education by the National Initiative for Cybersecurity Careers and Studies. Students successfully completing this program and track in the May 2024 session and thereafter are issued a certificate of achievement signifying completion of a program with National Center of Academic Excellence in Cyber Defense (CAE-CD) designation. The certificate also indicates the curriculum meets rigorous standards for cybersecurity education and the student has completed all coursework needed to meet those standards. More information is available in the Programmatic Accreditation and Recognition section.

Transforming Tomorrow's System Administrators

This program addresses the need for programming and coding professionals to support business system analysis, database management and enterprise system administration. Courses cover material aligned to industry certifications offered by Linux Professional Institute, CompTIA, Python Institute and Microsoft, as well as to competencies published by the Association for Computing Machinery and the Association for Information Systems.

Career development strategies are integrated throughout the program. Emerging topics, such as the impacts of artificial intelligence in technology fields, are embedded throughout the curriculum. Students have the opportunity to participate in industry-centered student organizations, and in coding and cybersecurity competitions.

Program Educational Objectives

Program educational objectives are broad statements that describe what graduates are expected to attain within a few years after graduation. Program educational objectives are based on the needs of the program's constituencies. The program has the following objectives:

- 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 a complex computing problem 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 in the context of the program's discipline.
- Communicate effectively 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 the program's discipline.
- Support the delivery, use, and management of systems within an information systems environment.
- Apply security principles and practices to maintain operations in the presence of risks and threats[1].

Program Details
- **Degree:** Bachelor of Science in Computer Information Systems (in New York, Bachelor of Professional Studies in Computer Information Systems)
- **Total semesters:** 8 full time, assuming enrollment in 13-19 credit hours per semester; enrollment in additional credit hours may be needed in some semesters
- **Minimum credit hours required for graduation:** 124
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 4 years, assuming enrollment in 2 semesters per 12-month period[2]
  - **Minimum time to complete:** 2 years, 8 months, assuming continuous year-round enrollment (3 semesters per 12-month period)[3]

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

Program Outline
Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Additional program-related information and notes are found after the program outline.

[1] For Cyber Security Programming track only.
[2] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[3] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

Communication Skills – 15[4] credit hours required

ENGL112[5]: Composition – 4 credit hours
ENGL135: Advanced Composition – 4 credit hours
ENGL216: Technical Writing – 4 credit hours
SPCH275: Public Speaking – 3 credit hours

Humanities – 6 credit hours required

ETHC232: Ethical and Legal Issues in the Professions – 3 credit hours
LAS432: Technology, Society, and Culture – 3 credit hours

Social Sciences – 9 credit hours required

ECON312: Principles of Economics – 3 credit hours
SOCS185: Culture and Society – 3 credit hours
SOCS325[6]: Environmental Sociology – 3 credit hours

Mathematics and Natural Sciences – 12 credit hours required

MATH114: Algebra for College Students – 4 credit hours
TECH204: Everyday Physics – 4 credit hours
TECH221: Data-Driven Decision-Making – 4 credit hours

Personal and Professional Development – 5 credit hours required

CARD405: Career Development – 2 credit hours
COLL148: Critical Thinking and Problem-Solving – 3 credit hours

Tech Core – 21 credit hours required

CEIS101[7]: Introduction to Technology and Information Systems – 2 credit hours
CEIS106: Introduction to Operating Systems – 4 credit hours
CEIS110: Introduction to Programming – 3 credit hours
CEIS114: Introduction to Digital Devices – 3 credit hours
NETW191: Fundamentals of Information Technology and Networking – 3 credit hours
NETW212: Introduction to Cloud Computing – 3 credit hours
SEC285: Fundamentals of Information System Security – 3 credit hours

Information Systems and Programming – 19 credit hours required

CEIS150: Programming Objects – 4 credit hours
CEIS209: Intermediate Programming – 4 credit hours
CEIS236: Database Systems and Programming Fundamentals – 4 credit hours
CIS313: AI-Driven Business Application Coding – 3 credit hours
CIS355A: Business Application Programming with Lab – 4 credit hours

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[4] 14 for students enrolled at a New Jersey location.
[5] Students enrolled at a New Jersey location take ENGL108 in lieu of this course.
[6] Students enrolled at a Nevada location must take POLI332 in lieu of this requirement.
[7] Students must take CEIS101 prior to taking any other course in the Tech Core and in all of the program's technical course areas, including Career Preparation and the Track.

Program Core – by track – required credit hours vary by track

- **Information Technology and Networking – for students selecting the Cyber Security Programming and Software Programming tracks – 13 credit hours required**
  SEC290: Fundamentals of Infrastructure Security – 3 credit hours
  SEC305: Cybersecurity and Data Privacy – 4 credit hours
  SEC311: Ethical Hacking – 3 credit hours
  SEC322: Penetration Testing – 3 credit hours

- **Application Development – for students selecting all other tracks – 12 credit hours required**
  CIS363B: Web Interface Design with Lab – 4 credit hours
  CIS407A: Web Application Development with Lab – 4 credit hours
  WBG310: Interactive Web Page Scripting with Lab – 4 credit hours

Career Preparation – by track – 9 credit hours required

- **For students selecting the Cyber Security Programming track – 9 credit hours required**
  CEIS298: Introduction to Technical Project Management – 1 credit hour
  MGMT404: Project Management – 4 credit hours
  SEC399: Cybersecurity Career Preparation – 1 credit hour
  TECH460: Senior Project – 3 credit hours

- **For students selecting all other tracks – 9 credit hours required**
  CEIS298: Introduction to Technical Project Management – 1 credit hour
  CEIS499[8]: Preparation for the Profession – 1 credit hour
  MGMT404: Project Management – 4 credit hours
  TECH460: Senior Project – 3 credit hours

Track – one track selected – required credit hours vary by track

- **Computer Forensics – 16 credit hours required**
  CCSI410: Digital Forensics I with Lab – 4 credit hours
  CCSI460: Digital Forensics II with Lab – 4 credit hours
  SEC305: Cybersecurity and Data Privacy – 4 credit hours
  SEC440: Information Systems Security Planning and Audit – 4 credit hours

- **Cyber Security Programming – 15 credit hours required**
  SEC335: Incident Response and Digital Forensics – 4 credit hours
  SEC395: Cybersecurity Architecture and Engineering – 3 credit hours
  SEC440: Information Systems Security Planning and Audit – 4 credit hours
  SEC455: Security Operations Center – 4 credit hours

- **Database Management – 16 credit hours required**
  CEIS340: Database Management – 3 credit hours
  CIS303: Data Visualization and Presentation – 3 credit hours

[8] Students who complete CARD415 instead of CARD405 apply CARD415 to fulfill this requirement.

CIS306: AI, Machine Learning and Data Science – 3 credit hours
SEC302: Data Administration and Security – 3 credit hours
SEC305: Cybersecurity and Data Privacy – 4 credit hours

- **Information Systems Security – 16 credit hours required**
  SEC305: Cybersecurity and Data Privacy – 4 credit hours
  SEC340: Business Continuity – 4 credit hours
  SEC380: Cloud Computing Security – 4 credit hours
  SEC440: Information Systems Security Planning and Audit – 4 credit hours

- **Software Programming – 15 credit hours required**
  CEIS200: Software Engineering I – 3 credit hours
  CEIS295: Data Structures and Algorithms – 3 credit hours
  CEIS320: Introduction to Mobile Device Programming – 3 credit hours
  CEIS400: Software Engineering II – 3 credit hours
  CEIS420: Programming Languages and Advanced Techniques – 3 credit hours

- **Web Development and Administration – 16 credit hours required**
  SBE430: E-Commerce for Small Business – 4 credit hours
  SEC380: Cloud Computing Security – 4 credit hours
  WEB375: Web Architecture with Lab – 4 credit hours
  WEB460: Advanced Web Application Development with Lab – 4 credit hours

- **Web Game Programming – 16 credit hours required**
  WBG370: Game Development with Lab – 4 credit hours
  WBG410: Dynamic Website Development and Database Integration with Lab – 4 credit hours
  WEB460: Advanced Web Application Development with Lab – 4 credit hours
  WGD235: Web Animation – 4 credit hours

Notes
Visit the General Notes section for additional information.

Students enrolled at a New Jersey location must take an additional six semester-credit hours of general education coursework within these course areas: Communication Skills, Humanities, Social Sciences, and Mathematics and Natural Sciences. Humanities and Social Sciences courses selected should be upper-division coursework (DeVry courses numbered 300-499).

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

Employment positions determined to be in field for graduates of the Bachelor of Science in Computer Information Systems (in New York, Bachelor of Professional Studies in Computer Information Systems) degree program include Computer User Support Specialists (15-1232.00); Computer Programmers (15-1251.00). These positions are used

to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the bachelor's degree program in Computer Information Systems **web page.**

Cybersecurity & Networking Bachelor's Degree Program

DeVry's Bachelor of Science in Cybersecurity & Networking program is designed to prepare students to leverage technology to support and protect organizations. The program addresses designing, implementing, securing and managing networks and information technology (IT) infrastructure. Coursework provides a technical foundation in IT and builds toward more advanced topics, such as penetration testing and ethical hacking, as well as strategic applications, such as cybersecurity architecture, cloud security, and cyber and network operations management.

Programmatic Acknowledgement

Students in the Cybersecurity & Networking associate degree program should note that DeVry's cybersecurity curriculum is acknowledged and verified as an approved provider by the National Initiative for Cybersecurity Careers and Studies. More information is available in the Programmatic Accreditation and Recognition section.

Preparing Future Cyber Defenders

This program addresses the need for skilled cybersecurity professionals, such as those working as penetration testers, incident responders and information security analysts. The curriculum teaches principles closely aligned to the National Institute of Standards and Technology cybersecurity framework. It also aligns to industry cybersecurity certifications from organizations including CompTIA, EC-Council, GIAC Certifications, ISC^2 and ISACA. Courses incorporate cyber tools and platforms, provide experiential learning opportunities and are designed to help students develop industry competence in cybersecurity.

Career development strategies are integrated throughout the program. Emerging topics, such as the impacts of artificial intelligence in technology fields, are embedded throughout the curriculum. Students have the opportunity to participate in activities such as student clubs and cybersecurity competitions.

Program Educational Objectives

Program educational objectives are broad statements that describe what graduates are expected to attain within a few years after graduation. Program educational objectives are based on the needs of the program's constituencies. The program has the following objectives:

- Support successful design, development and testing of cybersecurity solutions.
- Communicate and collaborate effectively with individuals and 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 are the skills and abilities students are expected to demonstrate at graduation. The program is designed to produce graduates who are able to:

- Analyze a complex computing problem in the program's domain and apply principles of the discipline to identify solutions.
- Design and implement solutions to meet a given set of computing requirements in the context of the program's discipline.

- Communicate effectively 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 the program's discipline.
- Apply security principles and practices to maintain operations in the presence of risks and threats.

Program Details

- **Degree:** Bachelor of Science in Cybersecurity and Networking (in New York, Bachelor of Professional Studies in Cybersecurity and Networking)
- **Total semesters:** 8 full time, assuming enrollment in 12-18 credit hours per semester; enrollment in additional credit hours may be needed in some semesters
- **Minimum credit hours required for graduation:** 124
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 4 years, assuming enrollment in 2 semesters per 12-month period[1]
  - **Minimum time to complete:** 2 years, 8 months, assuming enrollment in 3 semesters per 12-month period[2]

Program Outline

Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title 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 program-related information and notes are found after the program outline.

Communication Skills – 15 credit hours required

ENGL112: Composition – 4 credit hours
ENGL135: Advanced Composition – 4 credit hours
ENGL216: Technical Writing – 4 credit hours
SPCH275: Public Speaking – 3 credit hours

Humanities – 6 credit hours required

ETHC232: Ethical and Legal Issues in the Professions – 3 credit hours
LAS432: Technology, Society, and Culture – 3 credit hours

Social Sciences – 9 credit hours required

ECON312: Principles of Economics – 3 credit hours
SOCS185: Culture and Society – 3 credit hours
SOCS325: Environmental Sociology – 3 credit hours

Mathematics and Natural Sciences – 16 credit hours required

MATH114: Algebra for College Students – 4 credit hours
MATH234: Discrete Math in Information Technology – 4 credit hours

[1] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[2] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

TECH204: Everyday Physics – 4 credit hours
TECH221: Data-Driven Decision-Making – 4 credit hours

Personal and Professional Development – 5 credit hours required

CARD405: Career Development – 2 credit hours
COLL148: Critical Thinking and Problem-Solving – 3 credit hours

Tech Core – 21 credit hours required

CEIS101: Introduction to Technology and Information Systems – 2 credit hours
CEIS106: Introduction to Operating Systems – 4 credit hours
CEIS110: Introduction to Programming – 3 credit hours
CEIS114: Introduction to Digital Devices – 3 credit hours
NETW191: Fundamentals of Information Technology and Networking – 3 credit hours
NETW212: Introduction to Cloud Computing – 3 credit hours
SEC285: Fundamentals of Information System Security – 3 credit hours

Program Focus – 34 credit hours required

NETW260: Intermediate Information Technology & Networking I – 3 credit hours
NETW270: Intermediate Information Technology & Networking II – 3 credit hours
SEC290: Fundamentals of Infrastructure Security – 3 credit hours
SEC305: Cybersecurity and Data Privacy – 4 credit hours
SEC311: Ethical Hacking – 3 credit hours
SEC322: Penetration Testing – 3 credit hours
SEC335: Incident Response and Digital Forensics – 4 credit hours
SEC380: Cloud Computing Security – 4 credit hours
SEC395: Cybersecurity Architecture and Engineering – 3 credit hours
SEC455: Security Operations Center – 4 credit hours

Career Preparation – 9 credit hours required

CEIS298: Introduction to Technical Project Management – 1 credit hour
MGMT404: Project Management – 4 credit hours
SEC399: Cybersecurity Career Preparation – 1 credit hour
TECH460: Senior Project – 3 credit hours

Technical Electives – 9 credit hours required

Students select courses from those with prefixes CEIS, CIS, ECT, MGMT, NETW, PROJ, SEC, TECH and WEB provided prerequisites are met. Courses must be at the 300-level or higher. Courses within other Colleges may be applied with permission from the appropriate academic administrator.

To satisfy the Technical Electives course area requirement, students who meet eligibility requirements may take the following graduate-level courses offered by the University's Keller Graduate School of Management. Eligibility requirements are outlined in the Requirements for Undergraduate Students Enrolling in Keller Courses section. Credits earned for each course also satisfy credit-hour requirements within certain Keller master's degree and graduate certificate programs. Descriptions for these 500-level courses are found at the end of the

Course Descriptions section, under the Keller Graduate School of Management Courses section. Additional information is available from student support advisors and in the Keller Graduate School of Management academic catalog.

HRM587G: Managing Organizational Change – 3 credit hours
LEAD570G: Leadership in the Age of AI – 3 credit hours
MIS540G: Innovation Through Technology – 3 credit hours
MIS548G: AI Applications for Business – 3 credit hours

Notes
Visit the General Notes section for additional information.

Students who successfully complete LEAD570G and/or MIS540G are eligible to earn a digital badge for the course. Visit the Skills Coursework and Badges section.

Employment positions determined to be in field for graduates of the Bachelor of Science in Cybersecurity & Networking degree program include Information Security Analyst (15-1212.00). This position is used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the bachelor's degree program in Cybersecurity & Networking **web page.**

Engineering Technology Bachelor's Degree Program

DeVry's Engineering Technology bachelor's degree program prepares students to use basic engineering principles in the application and execution of systems, processes and technical operations. Students study automation, process improvement, project management, computer-aided design, machine learning and artificial intelligence (AI) as applied to industrial processes, healthcare systems, transportation of goods, electrical power delivery and more. In addition to completing core technical coursework, students select from a wide range of technical and business courses to augment and focus their program on their career goals.

Programmatic Accreditation

This program is accredited by the Engineering Technology Accreditation Commission of ABET. More information is available in the Programmatic Accreditation and Recognition section.

Building Product and Process Innovators

This program addresses the need for skilled professionals in technical fields such as product development, advanced manufacturing and industrial systems. The curriculum is aligned with industry certifications offered by the International Association For Six Sigma Certification, Autodesk and the Smart Automation Certification Alliance. Coursework provides students with experiential learning opportunities and exposure to engineering tools and platforms needed to develop skills relevant to automation and smart devices.

Career development strategies are integrated throughout the program. Emerging topics, such as the impacts of AI in technology fields, are embedded throughout the curriculum. Students have the opportunity to participate in industry-centered student organizations and in certification-preparation activities.

Notes:

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

Program Educational Objectives

Program educational objectives (PEOs) are broad statements describing expectations of skill attainment within a few years of graduation. PEOs are based on the needs of the program's constituents and are a requirement of ETAC of ABET accreditation. Engineering Technology bachelor's degree program PEOs are:

- Support successful design, development, testing, and securing of technology-based 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 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. These outcomes map directly to the current Student Outcome Criteria prescribed by ETAC of ABET. Student outcomes for the Engineering Technology bachelor's degree program are:

- Apply knowledge, techniques, skills and modern tools of mathematics, science, engineering and technology to solve broadly defined engineering problems appropriate to the discipline.
- Design systems, components or processes meeting specified needs for broadly defined engineering problems appropriate to the discipline.
- Apply written, oral and graphical communication in broadly defined technical and nontechnical environments, and an ability to identify and use appropriate technical literature.
- Conduct standard tests, measurements and experiments, and analyze and interpret results to improve processes.
- Function effectively as a member as well as a leader of technical teams.

Program Details
- **Degree:** Bachelor of Science in Engineering Technology
- **Total semesters:** 8 full time, assuming enrollment in 12-18 credit hours per semester; enrollment in additional credit hours may be needed in some semesters
- **Minimum credit hours required for graduation:** 126
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 4 years, assuming enrollment in 2 semesters per 12-month period[1]
  - **Minimum time to complete:** 2 years, 8 months, assuming continuous year-round enrollment (3 semesters per 12-month period)[2]

Program Outline
Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Additional program-related information and notes are found after the program outline.

Communication Skills – 15 credit hours required
ENGL112: Composition – 4 credit hours
ENGL135: Advanced Composition – 4 credit hours
ENGL216: Technical Writing – 4 credit hours
SPCH275: Public Speaking – 3 credit hours

Humanities – 6 credit hours required
ETHC232: Ethical and Legal Issues in the Professions – 3 credit hours
LAS432: Technology, Society, and Culture – 3 credit hours

[1] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[2] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

Social Sciences – 9 credit hours required

ECON312: Principles of Economics – 3 credit hours
SOCS185: Culture and Society – 3 credit hours
SOCS325: Environmental Sociology – 3 credit hours

Mathematics and Natural Sciences – 27 credit hours required

ECT345: Signals and Systems – 4 credit hours
MATH114: Algebra for College Students – 4 credit hours
MATH190: Pre-Calculus – 4 credit hours
MATH265: Applied Calculus – 4 credit hours
TECH204: Everyday Physics – 4 credit hours
TECH221: Data-Driven Decision-Making – 4 credit hours
TECH301: Design of Experiments – 3 credit hours

Personal and Professional Development – 5 credit hours required

CARD405: Career Development – 2 credit hours
COLL148: Critical Thinking and Problem-Solving – 3 credit hours

Tech Core – 15 credit hours required

CEIS101[3]: Introduction to Technology and Information Systems – 2 credit hours
CEIS106: Introduction to Operating Systems – 4 credit hours
CEIS110: Introduction to Programming – 3 credit hours
CEIS114: Introduction to Digital Devices – 3 credit hours
NETW191: Fundamentals of Information Technology and Networking – 3 credit hours

Program Focus – 24 credit hours required

ECT226: Electronic Device and System Foundations – 3 credit hours
ECT286: Automation and Control – 3 credit hours
ECT308: Introduction to Computer-Aided Design – 3 credit hours
TECH231: Introduction to Artificial Intelligence Applications – 3 credit hours
TECH310: Process Improvement – 3 credit hours
Three of:
ECT313: Generative Design – 3 credit hours
ECT315: Industrial IoT – 3 credit hours
ECT320: Manufacturing Processes and Systems – 3 credit hours
ECT325: Electromechanical Systems – 3 credit hours
NETW212: Introduction to Cloud Computing – 3 credit hours
SEC285: Fundamentals of Information Security – 3 credit hours

Career Preparation – 12 credit hours required

CEIS298: Introduction to Technical Project Management – 1 credit hour
CEIS499[4]: Preparation for the Profession – 1 credit hour

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[3] Students must take CEIS101 prior to taking any other course in the Tech Core and in all of the program's technical course areas, including Career Preparation.
[4] Students who complete CARD415 instead of CARD405 apply CARD415 to fulfill this requirement.

MGMT404: Project Management – 4 credit hours
TECH408: Applied AI for Management and Technology – 3 credit hours
TECH460: Senior Project – 3 credit hours

Technical and Business Selection – 13 credit hours required

Students select applicable courses from the College of Engineering & Information Sciences and College of Business & Management provided prerequisites are met. At least two courses must be at the 300-level or higher. Courses within other Colleges may be applied with permission from the appropriate academic administrator.

Notes
Visit the General Notes section for additional information.

Employment positions determined to be in field for graduates of the Bachelor of Science in Engineering Technology degree program include Electrical and Electronic Engineering Technologists and Technicians (17-3023.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the bachelor's degree program in Engineering Technology **page.**

Information Technology & Networking Bachelor's Degree Program

DeVry's Information Technology & Networking bachelor's degree program provides students with techniques and tools needed to systematically analyze organizations' operational and communications needs, and to provide effective information processing and networking solutions. The program addresses design, implementation, security and support of information technology (IT) systems.

The program offers tracks as shown in the following program outline. Students who have not chosen an area of specialization may begin the program in "Undeclared" status; however, they must select a track by the time they have earned 60 semester-credit hours toward their degree.

Programmatic Accreditation and Acknowledgement

This program is accredited by the Computing Accreditation Commission of ABET.

Students pursuing the Cyber Security track should note that DeVry's cybersecurity curriculum is acknowledged and verified as an approved provider by the National Initiative for Cybersecurity Careers and Studies. Students successfully completing this program with the Cyber Security track are issued a certificate of achievement signifying completion of a program with CAE-CD designation. The certificate also indicates the curriculum meets rigorous standards for cybersecurity education and the student has completed all coursework needed to meet those standards.

More information is available in the Programmatic Accreditation and Recognition section.

Developing Advanced IT Professionals

This program addresses the need for IT professionals to support network systems management, cloud architecture and cybersecurity analysis. The curriculum aligns to industry certifications from organizations including Cisco, CompTIA, Microsoft, Google and AWS. Courses incorporate IT tools and platforms, provide experiential learning, and are designed to help students develop industry competence in IT and networking.

Career development strategies are integrated throughout the program. Emerging topics, such as the impacts of artificial intelligence in technology fields, are embedded throughout the curriculum. Students have the opportunity to participate in industry-centered student organizations and in certification-preparation activities.

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 program is designed to produce graduates who are able to:

- Analyze a complex computing problem 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 in the context of the program's discipline.
- Communicate effectively 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 the program's discipline.
- Use systematic approaches to select, develop, apply, integrate, and administer secure computing technologies to accomplish user goals.
- Apply security principles and practices to maintain operations in the presence of risks and threats[1].

Program Details
- **Degree:** Bachelor of Science in Information Technology and Networking
- **Total semesters:** 8 full time, assuming enrollment in 12-19 credit hours per semester; enrollment in additional credit hours may be needed in some semesters
- **Minimum credit hours required for graduation:** 120
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 4 years, assuming enrollment in 2 semesters per 12-month period[2]
  - **Minimum time to complete:** 2 years, 8 months, assuming continuous year-round enrollment (3 semesters per 12-month period)[3]

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

Program Outline
Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Additional program-related information and notes are found after the program outline.

[1] For Cyber Security track only.
[2] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[3] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

Communication Skills – 15 credit hours required

ENGL112: Composition – 4 credit hours
ENGL135: Advanced Composition – 4 credit hours
ENGL216: Technical Writing – 4 credit hours
SPCH275: Public Speaking – 3 credit hours

Humanities – 6 credit hours required

ETHC232: Ethical and Legal Issues in the Professions – 3 credit hours
LAS432: Technology, Society, and Culture – 3 credit hours

Social Sciences – 9 credit hours required

ECON312: Principles of Economics – 3 credit hours
SOCS185: Culture and Society – 3 credit hours
SOCS325: Environmental Sociology – 3 credit hours

Mathematics and Natural Sciences – 16 credit hours required

MATH114: Algebra for College Students – 4 credit hours
MATH234: Discrete Math in Information Technology – 4 credit hours
TECH204: Everyday Physics – 4 credit hours
TECH221: Data-Driven Decision-Making – 4 credit hours

Personal and Professional Development – 5 credit hours required

CARD405: Career Development – 2 credit hours
COLL148: Critical Thinking and Problem-Solving – 3 credit hours

Tech Core – 21 credit hours required

CEIS101[4]: Introduction to Technology and Information Systems – 2 credit hours
CEIS106: Introduction to Operating Systems – 4 credit hours
CEIS110: Introduction to Programming – 3 credit hours
CEIS114: Introduction to Digital Devices – 3 credit hours
NETW191: Fundamentals of Information Technology and Networking – 3 credit hours
NETW212: Introduction to Cloud Computing – 3 credit hours
SEC285: Fundamentals of Information System Security – 3 credit hours

Program Focus – 27 credit hours required

CEIS236: Database Systems and Programming Fundamentals – 4 credit hours
NETW260: Intermediate Information Technology & Networking I – 3 credit hours
NETW270: Intermediate Information Technology & Networking II – 3 credit hours
NETW310: Wired, Optical and Wireless Communications with Lab – 3 credit hours
NETW404: Data Center Virtualization – 3 credit hours
SEC290: Fundamentals of Infrastructure Security – 3 credit hours

[4] Students must take CEIS101 prior to taking any other course in the Tech Core and in all of the program's technical course areas, including Career Preparation and the Track.

SEC305: Cybersecurity and Data Privacy – 4 credit hours
SEC313: Applied AI for Cybersecurity – 3 credit hours
SEC399: Cybersecurity Career Preparation – 1 credit hour

Career Preparation – 8 credit hours required

CEIS298: Introduction to Technical Project Management – 1 credit hour
CEIS499[5]: Preparation for the Profession – 1 credit hour
TECH408: Applied AI for Management and Technology – 3 credit hours
TECH460: Senior Project – 3 credit hours

Track – one track selected – required credit hours vary by track

- **Cloud Based Networking and Virtualization – 13 credit hours required**
  NETW314: Cloud Computing – 3 credit hours
  SEC380: Cloud Computing Security – 4 credit hours
  One of:
  NETW350: Cloud Services – 3 credit hours
  NETW351: Cloud Architecture – 3 credit hours
  One of:
  NETW450: Cloud Development – 3 credit hours
  NETW451: Cloud Operations – 3 credit hours

- **Cyber Security – 14 credit hours required**
  SEC335: Incident Response and Digital Forensics – 4 credit hours
  SEC395: Cybersecurity Architecture and Engineering – 3 credit hours
  SEC455: Security Operations Center – 4 credit hours
  One of:
  SEC311: Ethical Hacking – 3 credit hours
  SEC322: Penetration Testing – 3 credit hours

- **Mobile and Networked Devices – 13 credit hours required**
  CEIS490: Ecosystem of The Internet of Things – 3 credit hours
  ECT286: Automation and Control – 3 credit hours
  ECT315: Industrial IoT – 3 credit hours
  NETW411: Information Security and Mobile Devices – 4 credit hours

Notes
Visit the General Notes section for additional information.

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

Employment positions determined to be in field for graduates of the Bachelor of Science in Information Technology and Networking degree program include Computer Systems

[5] Students who complete CARD415 instead of CARD405 apply CARD415 to fulfill this requirement.

Analysts (15-1211.00); Information Security Analysts (15-1212.00); Computer Network Support Specialists (15-1231.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the bachelor's degree program in Information Technology & Networking **web page.**

Software Development Bachelor's Degree Program

DeVry's bachelor's degree program in Software Development is designed to provide students with techniques and tools needed to systematically create software products used in many applications. Contemporary techniques and tools are applied to meet specified criteria. Knowledge of computing and mathematics appropriate to developing software products is employed. Coursework also addresses professional, security, social and ethics issues and responsibilities associated with developing and using software systems.

The program offers tracks as shown in the following program outline. Students who have not chosen an area of specialization may begin the program in "Undeclared" status; however, they must select a track by the time they have earned 60 semester-credit hours toward their degree.

Programmatic Accreditation

This program is accredited by the Computing Accreditation Commission of ABET. More information is available in the Programmatic Accreditation and Recognition section.

Cultivating Agile Software Developers

This program addresses the need for adaptable software developers and programming professionals within an ever-evolving workplace. Coursework addresses principles closely aligned to industry certifications offered by CompTIA, Python Institute, Oracle and Microsoft, as well as to competencies outlined by the IEEE Computer Society and the Institute for Certification of Computing Professionals. Coursework provides foundational skillsets in full-stack programming, data science, machine learning and web application development.

Career development strategies are integrated throughout the program. Emerging topics, such as the impacts of artificial intelligence in technology fields, are embedded throughout the curriculum. Students have the opportunity to participate in industry-centered student organizations and in programming competitions.

Program Educational Objectives

Program educational objectives are broad statements that describe what graduates are expected to attain within a few years after graduation. Program educational objectives are based on the needs of the program's constituencies. The program has the following objectives:

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

- Analyze a complex computing problem and to 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 in the context of the program's discipline.
- Communicate effectively 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 the program's discipline.

Program Details

- **Degree:** Bachelor of Science in Software Development
- **Total semesters:** 8 full time, assuming enrollment in 12-18 credit hours per semester; enrollment in additional credit hours may be needed in some semesters
- **Minimum credit hours required for graduation:** 120
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 4 years, assuming enrollment in 2 semesters per 12-month period[1]
  - **Minimum time to complete:** 2 years, 8 months, assuming continuous year-round enrollment (3 semesters per 12-month period)[2]

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

Program Outline

Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Additional program-related information and notes are found after the program outline.

Communication Skills – 15 credit hours required

ENGL112: Composition – 4 credit hours

ENGL135: Advanced Composition – 4 credit hours

ENGL216: Technical Writing – 4 credit hours

SPCH275: Public Speaking – 3 credit hours

Humanities – 6 credit hours required

ETHC232: Ethical and Legal Issues in the Professions – 3 credit hours

LAS432: Technology, Society, and Culture – 3 credit hours

[1] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[2] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

Social Sciences – 9 credit hours required

ECON312: Principles of Economics – 3 credit hours
SOCS185: Culture and Society – 3 credit hours
SOCS325: Environmental Sociology – 3 credit hours

Mathematics and Natural Sciences – 16 credit hours required

MATH114: Algebra for College Students – 4 credit hours
MATH234: Discrete Math in Information Technology – 4 credit hours
TECH204: Everyday Physics – 4 credit hours
TECH221: Data-Driven Decision-Making – 4 credit hours

Personal and Professional Development – 5 credit hours required

CARD405: Career Development – 2 credit hours
COLL148: Critical Thinking and Problem-Solving – 3 credit hours

Tech Core – 21 credit hours required

CEIS101[3]: Introduction to Technology and Information Systems – 2 credit hours
CEIS106: Introduction to Operating Systems – 4 credit hours
CEIS110: Introduction to Programming – 3 credit hours
CEIS114: Introduction to Digital Devices – 3 credit hours
NETW191: Fundamentals of Information Technology and Networking – 3 credit hours
NETW212: Introduction to Cloud Computing – 3 credit hours
SEC285: Fundamentals of Information System Security – 3 credit hours

Information Systems and Programming – 19 credit hours required

CEIS150: Programming Objects – 4 credit hours
CEIS209: Intermediate Programming – 4 credit hours
CEIS236: Database Systems and Programming Fundamentals – 4 credit hours
CEIS295: Data Structures and Algorithms – 3 credit hours
CIS355A: Business Application Programming with Lab – 4 credit hours

Analysis and Design – 9 credit hours required

BIAM110: Introduction to Business Analytics – 3 credit hours
CIS313: AI-Driven Business Application Coding – 3 credit hours
TECH408: Applied AI for Management and Technology – 3 credit hours

Career Preparation – 9 credit hours required

CEIS298: Introduction to Technical Project Management – 1 credit hour
CEIS499[4]: Preparation for the Profession – 1 credit hour
MGMT404: Project Management – 4 credit hours
TECH460: Senior Project – 3 credit hours

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[3] Students must take CEIS101 prior to taking any other course in the Tech Core and in all of the program's technical course areas, including Career Preparation and the Track.
[4] Students who complete CARD415 instead of CARD405 apply CARD415 to fulfill this requirement.

Track – one track selected – required credit hours vary by track

- **Big Data and Analytics – 12 credit hours required**
  CEIS340: Database Management – 3 credit hours
  CIS303: Data Visualization and Presentation – 3 credit hours
  CIS306: AI, Machine Learning and Data Science – 3 credit hours
  SEC302: Data Administration and Security – 3 credit hours

- **Software Design and Programming – 12 credit hours required**
  CEIS200: Software Engineering I – 3 credit hours
  CEIS320: Introduction to Mobile Device Programming – 3 credit hours
  CEIS400: Software Engineering II – 3 credit hours
  CEIS420: Programming Languages and Advanced Techniques – 3 credit hours

- **Web and Mobile Application Development – 11 credit hours required**
  CEIS320: Introduction to Mobile Device Programming – 3 credit hours
  CIS363B: Web Interface Design with Lab – 4 credit hours
  CIS407A: Web Application Development with Lab – 4 credit hours

Notes
Visit the General Notes section for additional information.

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

Employment positions determined to be in field for graduates of the Bachelor of Science in Software Development degree program include Software Developers (15-1252.00); Software Quality Assurance Analysts and Testers (15-1253.00); Web Administrators (15-1299.01). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

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

College of Health Sciences

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

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

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

Associate Degree Program
- Health Information Technology

Bachelor's Degree Program
- Healthcare Administration

Undergraduate Certificate Programs

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

DeVry's Medical Billing & Coding (MBC) undergraduate certificate program provides students with knowledge, skills and abilities needed to function as entry-level coding specialists in the health information management field. Coursework, taught from the practitioner's perspective, focuses on skills and coding competencies used in settings such as hospitals and physician practices.

The MBC certificate can help students who are new to health coding begin their professional journey. The MBC – Health Information Coding (MBC – HIC) undergraduate certificate can help those with previous coursework or experience prepare for more advanced entry-level positions.

DIGITAL HEALTH CORE – Essential Health Information Skills for Modern Healthcare
This program includes DeVry's Digital Health Core series of courses, designed to help students develop a set of interdisciplinary skills for today's rapidly evolving health information field. Courses explore principles used throughout the healthcare ecosystem, exposing students to essential topics related to medical terminology, compliance, ethics, electronic medical records, patient privacy and digital aspects of the healthcare delivery system.

The Digital Health Core curriculum also provides students hands-on experience with industry-standard software systems and simulated patient records.

Program 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 (visit the Special Admission Requirements section).

Students who complete the MBC undergraduate certificate and are later admitted to DeVry's MBC – HIC undergraduate certificate program may not be eligible for financial assistance. Students should contact a student support advisor for more information.

Those who earn an MBC certificate or an MBC – HIC certificate can apply eligible credits earned toward DeVry's associate degree in Health Information Technology or bachelor's degree

in Technical Management. Students should note that future programmatic changes could impact application of credit to a future program. Contact a student support advisor for more information.

The MBC certificate program includes material addressed in the Certified Professional Coder (CPC) certification exam. Detailed information on qualifications for the exam is available at www.aapc.com/certification/cpc.

The MBC – HIC certificate program includes material addressed in the Certified Coding Specialist (CCS) certification exam. Detailed information on qualifications for the exam is available at https://ahima.org/certification-careers/certifications-overview/ccs/.

Medical Billing & Coding Program

Program Details

- **Credential:** Undergraduate Certificate in Medical Billing and Coding
- **Total semesters:** 3, assuming enrollment in 6-13 credit hours per semester
- **Minimum credit hours required for completion:** 31
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete**: 1 year, 2 months, assuming enrollment in 2 semesters per 12-month period[1]
  - **Minimum time to complete**: 10 months, assuming continuous year-round enrollment (3 semesters per 12-month period)[2]

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

Program Outline

Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Additional program-related information and notes are found after the program outline.

Natural Sciences – 4 credit hours required

BIOS105: Fundamentals of Human Anatomy and Physiology – 4 credit hours

Digital Health Core – 12 credit hours required

HIT111: Basic Medical Terminology – 3 credit hours

HIT125: Electronic Health Records and Digital Health – 3 credit hours

HIT223: Medical Ethics, Compliance and Patient Privacy – 3 credit hours

HIT235: Health Insurance Billing and Reimbursement – 3 credit hours

[1] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[2] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

Medical Coding – 9 credit hours required

HIT206: CPT Coding with Application – 3 credit hours
HIT214: ICD Coding I with Application – 3 credit hours
HIT216: Coding with Application – 3 credit hours

Personal and Professional Development – 6 credit hours required

HIT101: Professional Skills for Healthcare – 3 credit hours
HIT254[3]: Coding Practicum and Review – 3 credit hours

Medical Billing & Coding Program – Health Information Coding

Program Details

- **Credential:** Undergraduate Certificate in Medical Billing and Coding – Health Information Coding
- **Total semesters:** 4, assuming enrollment in 3-13 credit hours per semester
- **Minimum credit hours required for completion:** 40
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 1 year, 6 months, assuming enrollment in 2 semesters per 12-month period[4]
  - **Minimum time to complete:** 1 year, 2 months, assuming continuous year-round enrollment (3 semesters per 12-month period)[5]

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

Program Outline

Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Additional program-related information and notes are found after the program outline.

Natural Sciences – 7 credit hours required

BIOS105: Fundamentals of Human Anatomy and Physiology – 4 credit hours
BIOS268: Pathopharmacology – 3 credit hours

Digital Health Core – 12 credit hours required

HIT111: Basic Medical Terminology – 3 credit hours
HIT125: Electronic Health Records and Digital Health – 3 credit hours
HIT223: Medical Ethics, Compliance and Patient Privacy – 3 credit hours
HIT235: Health Insurance Billing and Reimbursement – 3 credit hours

[3] Course provided at no tuition charge for students in the Medical Billing & Coding undergraduate certificate program.
[4] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[5] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

Medical Coding – 12 credit hours required

HIT206: CPT Coding with Application – 3 credit hours
HIT214: ICD Coding I with Application – 3 credit hours
HIT215: ICD Coding II with Application – 3 credit hours
HIT217: Advanced Coding – 3 credit hours

Personal and Professional Development – 9 credit hours required

HIT101: Professional Skills for Healthcare – 3 credit hours
HIT260: Coding Practicum with Lab – 3 credit hours
HIT264[6]: CCS Review – 3 credit hours

Notes
Visit the General Notes section for additional information.

Employment positions determined to be in field for graduates of the Undergraduate Certificate programs in Medical Billing and Coding, and Medical Billing and Coding – Health Information Coding, include Medical Records Specialists (29-2072.00); Health Information Technologists and Medical Registrars (29-9021.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the Medical Billing & Coding undergraduate certificate program **web page.**

[6] Course provided at no tuition charge for students in the Medical Billing & Coding – Health Information Coding undergraduate certificate program.

Associate Degree Program

Health Information Technology Associate Degree Program

DeVry's Health Information Technology (HIT) program prepares graduates to work with health data, applications systems and electronic health information databases. Given the importance of information accuracy, privacy and security, the HIT program also prepares graduates for involvement in regulatory compliance and quality assessment activities designed to ensure that health information systems support patient care and safety. HIT professionals work with nurses, physicians, other healthcare providers, and managers and technical specialists in various settings such as hospitals, long-term-care facilities, insurance and managed care organizations, government agencies and vendor firms.

The program offers tracks as shown in the two program outlines below. Students who have not chosen an area of specialization may begin the program in "Undeclared" status; however, they must select a track by the time they have earned 30 semester-credit hours toward their degree.

Programmatic Accreditation
This program, when completed with the Health Information track, is accredited by the Commission on Accreditation for Health Informatics and Information Management Education. More information is available in the Programmatic Accreditation and Recognition section.

DIGITAL HEALTH CORE – Essential Health Information Skills for Modern Healthcare
This program includes DeVry's Digital Health Core series of courses, designed to help students develop a set of interdisciplinary skills for today's rapidly evolving health information field. Courses explore principles used throughout the healthcare ecosystem, exposing students to essential topics related to medical terminology, compliance, ethics, electronic medical records, patient privacy and digital aspects of the healthcare delivery system.

The Digital Health Core curriculum also provides students hands-on experience with industry-standard software systems and simulated patient records.

Note: To complete the HIT program, students must meet requirements outlined in the Healthcare Practicum and Clinical Coursework Requirements section and in the Healthcare Site Requirements and General Information section.

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 HIT through DeVry University can apply eligible coursework in the associate degree program toward DeVry's bachelor's degree in Technical Management. Students should note that future programmatic changes could impact application of credit to a future program. Contact a student support advisor for more information.

Program Details

- **Degree:** Associate of Applied Science in Health Information Technology
- **Total semesters:** 4 full time, assuming enrollment in 12-18 credit hours per semester; enrollment in additional credit hours may be needed in some semesters
- **Minimum credit hours required for graduation:** 61
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 2 years, assuming enrollment in 2 semesters per 12-month period[1]
  - **Minimum time to complete:** 1 year, 4 months, assuming continuous year-round enrollment (3 semesters per 12-month period)[2]

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

Program Outline for Students Selecting the Health Information Track

Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Additional program-related information and notes are found after the program outline.

Communication Skills – 4 credit hours required

ENGL112: Composition – 4 credit hours

[1] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[2] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

Humanities – 3 credit hours required

ETHC232: Ethical and Legal Issues in the Professions – 3 credit hours

Social Sciences – 3 credit hours required

SOCS185: Culture and Society – 3 credit hours

Mathematics and Natural Sciences – 15 credit hours required

BIOS106: Fundamentals of Human Anatomy and Physiology – 4 credit hours
BIOS266: Pathopharmacology – 3 credit hours
MATH114: Algebra for College Students – 4 credit hours
MATH221: Statistics for Decision-Making – 4 credit hours

Personal and Professional Development – 5 credit hours required

CARD205: Career Development – 2 credit hours
HIT102: Professional Skills for Healthcare – 3 credit hours

Digital Health Core – 12 credit hours required

HIT112: Basic Medical Terminology – 3 credit hours
HIT126: Electronic Health Records and Digital Health – 3 credit hours
HIT224: Medical Ethics, Compliance and Patient Privacy – 3 credit hours
HIT236: Health Insurance Billing and Reimbursement – 3 credit hours

Health Information Track – 19 credit hours required

Medical Coding – 9 credit hours required

HIT207: CPT Coding with Application – 3 credit hours
HIT221: ICD Coding I with Application – 3 credit hours
HIT228: ICD Coding II with Application – 3 credit hours

Health Information Technology – 10 credit hours required

HIT175: Health Information Technology Application – 3 credit hours
HIT229: Healthcare Quality and Data Analytics – 3 credit hours
HIT277[3]: Health Information Practicum Capstone – 3 credit hours
HIT279: RHIT Exam Preparation – 1 credit hour

Program Outline for Students Selecting the Analytics, General Health Services, or IT and Cybersecurity Track

Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Additional program-related information and notes are found after the program outline.

Communication Skills – 4 credit hours required

ENGL112: Composition – 4 credit hours

[3] Course provided at no tuition charge for students selecting the Health Information track.

Humanities – 3 credit hours required

ETHC232: Ethical and Legal Issues in the Professions – 3 credit hours

Social Sciences – 3 credit hours required

SOCS185: Culture and Society – 3 credit hours

Mathematics and Natural Sciences – 15 credit hours required

BIOS105: Fundamentals of Human Anatomy and Physiology – 4 credit hours
BIOS268: Pathopharmacology – 3 credit hours
MATH114: Algebra for College Students – 4 credit hours
MATH221: Statistics for Decision-Making – 4 credit hours

Personal and Professional Development – 5 credit hours required

CARD205: Career Development – 2 credit hours
HIT101: Professional Skills for Healthcare – 3 credit hours

Digital Health Core – 12 credit hours required

HIT111: Basic Medical Terminology – 3 credit hours
HIT125: Electronic Health Records and Digital Health – 3 credit hours
HIT223: Medical Ethics, Compliance and Patient Privacy – 3 credit hours
HIT235: Health Insurance Billing and Reimbursement – 3 credit hours

Track – one track selected – 19 credit hours required

- **Analytics – 19 credit hours required in:**

  Analytics – 13 credit hours required

  BIAM110: Introduction to Business Analytics – 3 credit hours
  BIAM300: Managerial Applications of Business Analytics – 4 credit hours
  HIT227: Healthcare Quality and Data Analytics – 3 credit hours
  TECH408: Applied AI for Management and Technology – 3 credit hours

  Healthcare Analytics Profession – 6 credit hours required

  HIT267: Healthcare Analytics and Practical Applications – 3 credit hours
  HIT278[4]: Career Success in Healthcare – 3 credit hours

- **General Health Services – 19 credit hours required in:**

  Health Services Management – 8 credit hours required

  HSM210: Medical Office Administration – 4 credit hours
  HSM310: Introduction Health Services Management – 4 credit hours

  Course Option – 8 credit hours required

  Courses may be chosen from among those with designators HIM, HIT and HSM, as listed in the Course Descriptions section, provided they are not used to meet other graduation requirements and prerequisites are met. Qualifying prior college coursework in health

[4] Course provided at no tuition charge for students selecting the Analytics track.

sciences or healthcare-related topics not meeting other program requirements may be applied toward elective hours.

Health Services Profession – 3 credit hours required
HIT278[5]: Career Success in Healthcare – 3 credit hours

- **IT and Cybersecurity – 19 credit hours required in:**
  Information Technology and Cybersecurity – 13 credit hours required
  CEIS101C: Introduction to Information Technology and Information Systems – 2 credit hours
  CEIS106: Introduction to Operating Systems – 4 credit hours
  HIM377: Cybersecurity and Data Privacy in Healthcare – 4 credit hours
  NETW191: Fundamentals of Information Technology and Networking – 3 credit hours

  IT and Cybersecurity Profession – 6 credit hours required
  HIT278[6]: Career Success in Healthcare – 3 credit hours
  SEC285: Fundamentals of Information System Security – 3 credit hours

Notes
Visit the General Notes section for additional information.

Employment positions determined to be in field for graduates of the Associate of Applied Science in Health Information Technology (in New Jersey, Associate in Applied Science in Health Information Technology) degree program include Health Information Technologists and Medical Registrars (29-9021.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

For additional information, visit the associate degree program in Health Information Technology web page.

[5] Course provided at no tuition charge for students selecting the General Health Services track.
[6] Course provided at no tuition charge for students selecting the IT and Cybersecurity track.

Bachelor's Degree Program

Healthcare Administration Bachelor's Degree Program

DeVry's Healthcare Administration program is designed to prepare graduates to become managers and support professionals in the healthcare field as well as in related industries. The program helps develop versatile professionals who, using a collaborative approach, apply knowledge of information systems, policy, accounting, budgeting and analysis in diverse healthcare provider settings. The combination of management skills and knowledge of current issues in health services and systems provides Healthcare Administration graduates with a solid foundation on which to begin their healthcare careers.

Program 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
- **Total semesters:** 7 full time, assuming enrollment in 14-20 credit hours per semester; enrollment in additional credit hours may be needed in some semesters
- **Minimum credit hours required for graduation:** 121
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 4 years, assuming enrollment in 2 semesters per 12-month period[1]
  - **Minimum time to complete:** 2 years, 4 months, assuming continuous year-round enrollment (3 semesters per 12-month period)[2]

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

Program Outline

Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Additional program-related information and notes are found after the program outline.

[1] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[2] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

Communication Skills – 15 credit hours required

ENGL112: Composition – 4 credit hours
ENGL135: Advanced Composition – 4 credit hours
ENGL216: Technical Writing – 4 credit hours
SPCH275: Public Speaking – 3 credit hours

Humanities – 6 credit hours required

ETHC445: Principles of Ethics – 3 credit hours
LAS432: Technology, Society, and Culture – 3 credit hours

Social Sciences – 9 credit hours required

ECON312: Principles of Economics – 3 credit hours
SOCS185: Culture and Society – 3 credit hours
SOCS325: Environmental Sociology – 3 credit hours

Mathematics and Natural Sciences – 12 credit hours required

BIOS105: Fundamentals of Human Anatomy and Physiology – 4 credit hours
MATH114: Algebra for College Students – 4 credit hours
MATH221: Statistics for Decision-Making – 4 credit hours

Personal and Professional Development – 5 credit hours required

CARD405: Career Development – 2 credit hours
HIT101: Professional Skills for Healthcare – 3 credit hours

Digital Health Core – 12 credit hours required

HIT111: Basic Medical Terminology – 3 credit hours
HIT125: Electronic Health Records and Digital Health – 3 credit hours
HIT223: Medical Ethics, Compliance and Patient Privacy – 3 credit hours
HIT235: Health Insurance Billing and Reimbursement – 3 credit hours

Program Focus – 44 credit hours required

ACCT212: Financial Accounting – 4 credit hours
ACCT360: Managerial Accounting – 4 credit hours
BIAM110: Introduction to Business Analytics – 3 credit hours
BUSN115: Introduction to Business and Technology – 3 credit hours
HSM210: Medical Office Administration – 4 credit hours
HSM310: Introduction to Health Services Management – 4 credit hours
HSM320: Health Rights and Responsibilities – 4 credit hours
HSM330: Health Services Information Systems – 4 credit hours
HSM340: Health Services Finance – 4 credit hours
HSM420: Managed Care and Health Insurance – 4 credit hours
MGMT303: Principles of Management – 3 credit hours
MGMT404: Project Management – 4 credit hours

Senior Project – 3 credit hours required

BUSN460: Senior Project – 3 credit hours

Track – one track selected – required credit hours vary by track

- **General Option – 15 credit hours required**
  Students select applicable courses from the College of Engineering & Information Sciences, College of Business & Management and College of Health Sciences provided prerequisites are met or with approval from the appropriate academic administrator. The following suggested courses ensure students meet prerequisites:

  ACCT304: Intermediate Accounting I – 4 credit hours
  BUSN379: Finance – 3 credit hours
  BUSN412: Business Policy – 4 credit hours
  HRM320: Employment Law – 4 credit hours

- **Healthcare Analytics – 16 credit hours required**
  BIAM300: Managerial Applications of Business Analytics – 4 credit hours
  HIT227: Healthcare Quality and Data Analytics – 3 credit hours
  HIT267: Healthcare Analytics and Practical Applications – 3 credit hours
  HIT278[3]: Career Success in Healthcare – 3 credit hours
  TECH408: Applied AI for Management and Technology – 3 credit hours

- **Healthcare Management – 15 credit hours required**
  HIM377: Cybersecurity and Data Privacy in Healthcare – 4 credit hours
  HIM410: Health Information Financial Management – 3 credit hours
  HSM410: Healthcare Policy – 4 credit hours
  MGMT410: Human Resource Management – 4 credit hours

Notes
Visit the General Notes section for additional information.

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. **Note**: 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.

Employment positions determined to be in field for graduates of the Bachelor of Science in Healthcare Administration degree program include Medical and Health Services Managers (11-9111.00); Administrative Services Managers (11-3012.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

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

[3] Course provided at no tuition charge for students selecting the Healthcare Analytics track.

College of Media Arts & Technology

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

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

Certificate Programs

- Website Design
- Website Development

Undergraduate Certificate Programs

Website Design Certificate Program

DeVry's Website Design undergraduate certificate program is designed to help students gain knowledge, skills and abilities to develop responsive web pages, web graphics, marketing collateral, web animations, web videos and multimedia projects by applying a collaborative approach. The program is also designed to help students use HTML and web-based code, through software applications, to design, illustrate and produce visual solutions for communications, especially the Internet.

Graduates should also possess appropriate knowledge to work in a variety of areas and organizations, such as advertising, marketing, technical communications, publishing and training.

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

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
- **Total semesters:** 3, assuming enrollment in 11-14 credit hours per semester
- **Minimum credit hours required for completion:** 36
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 1 year, 4 months, assuming enrollment in 2 semesters per 12-month period[1]
  - **Minimum time to complete:** 12 months, assuming continuous year-round enrollment (3 semesters per 12-month period)[2]

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

Program Outline

Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should

[1] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[2] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Additional program-related information and notes are found after the program outline.

Web Graphic Design – 33 credit hours required

CIS363B: Web Interface Design with Lab – 4 credit hours
MGMT408: Management of Technology Resources – 3 credit hours
WGD201: Visual Design Fundamentals – 3 credit hours
WGD205: Advanced Design and Rapid Visualization – 4 credit hours
WGD210: Digital Imaging Fundamentals – 4 credit hours
WGD229: Information Design – 4 credit hours
WGD235: Web Animation – 4 credit hours
WGD242: Advanced Web Design – 4 credit hours
WGD251: Responsive Web Design – 3 credit hours

Graphic and Multimedia Design – 4 credit hours required

WBG370: Game Development with Lab – 4 credit hours

Notes
Visit the General Notes section for additional information.

Employment positions determined to be in field for graduates of the Undergraduate Certificate program in Website Design include Web Developers (15-1254.00); Multimedia Artists and Animators (27-1014.00); Graphic Designers (27-1024.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

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

Website Development Certificate Program

DeVry's Website Development undergraduate certificate program is designed to help students gain knowledge, skills and abilities to develop responsive web pages, web graphics, web-based databases, code that enables website interactivity and accessible websites by applying a collaborative approach. The program is also designed to help students become familiar with authoring in HTML, JavaScript, CSS, PHP and other web code and in using software applications to design, develop, compile code and produce interactive, responsive websites.

Graduates should also possess appropriate knowledge to work in a variety of areas and organizations, such as social media; mobile app development; and communications, and web design and development firms.

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

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
- **Total semesters:** 3 full time, assuming enrollment in 12-15 credit hours per semester
- **Minimum credit hours required for completion:** 38
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 1 year, 4 months, assuming enrollment in 2 semesters per 12-month period[1]
  - **Minimum time to complete:** 12 months, assuming continuous year-round enrollment (3 semesters per 12-month period)[2]

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

Additional program-related information and notes are found after the program outline.

[1] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[2] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

Program Outline
Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Web Graphic Design – 19 credit hours required

CIS363B: Web Interface Design with Lab – 4 credit hours
WGD210: Digital Imaging Fundamentals – 4 credit hours
WGD229: Information Design – 4 credit hours
WGD242: Advanced Web Design – 4 credit hours
WGD251: Responsive Web Design – 3 credit hours

Web Development – 20 credit hours required

CEIS236: Database Systems and Programming Fundamentals – 4 credit hours
SBE330: Creativity, Innovation and New Product Development – 4 credit hours
WBG310: Interactive Web Page Scripting with Lab – 4 credit hours
WBG410: Dynamic Website Development and Database Integration with Lab – 4 credit hours
WGD235: Web Animation – 4 credit hours

Notes
Visit the General Notes section for additional information.

Employment positions determined to be in field for graduates of the Undergraduate Certificate program in Website Development include Web Developers (15-1254.00). This position is used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

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

Programs No Longer Accepting New Applicants

Information in this section is for currently enrolled students in programs no longer accepting new applicants, or in versions of programs no longer accepting new applicants. As necessary, program outcomes/objectives, coursework and graduation requirements are adjusted to ensure students can successfully complete the programs.

Note: Programs with an asterisk (*) have versions that accept new enrollments. Visit the Colleges & Programs of Study section for programs accepting new applicants.

Programs No Longer Accepting New Applicants, by College		
Program	**College**	**Last Session Students Admitted**
Biomedical Engineering Technology bachelor's degree	Engineering & Information Sciences	November 2019
Communications	Liberal Arts & Sciences	May 2024
Computer Engineering Technology bachelor's degree	Engineering & Information Sciences	November 2019
Electronics & Computer Technology associate degree	Engineering & Information Sciences	May 2021
Electronics Engineering Technology bachelor's degree	Engineering & Information Sciences	November 2019
Engineering Technology – Computers bachelor's degree	Engineering & Information Sciences	May 2021
Engineering Technology – Electronics bachelor's degree	Engineering & Information Sciences	May 2021
Healthcare Administration bachelor's degree*	Health Sciences	May 2024
Health Information Technology associate degree*	Health Sciences	January 2024
Justice Administration bachelor's degree	Liberal Arts & Sciences	May 2022
Management bachelor's degree*	Business & Management	September 2024
Medical Billing & Coding undergraduate certificate*	Health Sciences	January 2024
Medical Billing & Coding – Health Information Coding undergraduate certificate*	Health Sciences	January 2024
Multimedia Design & Development bachelor's degree	Media Arts & Technology	May 2022
Network & Communications Management bachelor's degree	Engineering & Information Sciences	March 2024
Network Systems Administration associate degree*	Engineering & Information Sciences	September 2022
Technical Management with a specialty in Health Information Management bachelor's degree*	Business & Management	January 2024

DeVry University Undergraduate Tuition, Fees and Expenses Effective September 2021 Session through May 2026 Session: Programs No Longer Accepting New Applicants

For programs no longer accepting new applicants, tuition rates shown are applicable to students enrolled in sessions beginning September 2021 through May 2026. Tuition is assessed each session for a given semester. Tuition rates for military students are found in the Tuition section of this academic catalog. **Visit footnotes on next page.**

Bachelor's Degree Program[1]	Minimum Credit Hours	Tuition Per Credit Hour	Total Tuition	Fees[2]	Textbook and Equipment Expense[3]	Total Program Cost[4]
Biomedical Engineering Technology	139	$609	$84,651	$3,820	$3,150	$91,651
Communications	122	$514	$62,708	$3,440	$2,800	$68,978
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
Healthcare Administration	126	$514	$64,764	$3,440	$1,600	$69,834
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 – all locations except New Jersey	124	$514	$63,736	$3,440	$2,800	$70,006
Network & Communications Management – New Jersey	128	$514	$65,792	$3,440	$2,800	$72,062
Technical Management – Health Information Management	122	$514	$62,708	$3,440	$1,600	$67,778
Associate Degree Program[1]	**Minimum Credit Hours**	**Tuition Per Credit Hour**	**Total Tuition**	**Fees[2]**	**Textbook and Equipment Expense[3]**	**Total Program Cost[4]**
Electronics & Computer Technology	71	$514	$36,494	$2,300	$1,750	$40,574
Health Information Technology	67	$514	$30,840[5]	$1,920	$1,400	$34,190
Network Systems Administration	67	$514	$34,438	$2,300	$1,750	$38,518
Undergraduate Certificate Program[1]	**Minimum Credit Hours**	**Tuition Per Credit Hour**	**Total Tuition**	**Fees[2]**	**Textbook and Equipment Expense[3]**	**Total Program Cost[4]**
Medical Billing & Coding	34	$514	$15,934[6]	$1,350	$875	$18,189
Medical Billing & Coding – Health Information Coding	42	$514	$20,046[6]	$1,540	$1,050	$22,666

[1] Program availability varies by location and delivery method.
[2] Includes course resource fee averaging $150 per session, one-time-per-enrollment $400 learning management system (LMS) access fee and nonrefundable student services charge of $40 per session.
[3] Average estimated per-session textbook and equipment expenses for full-time students are AECT, AHIT, ANSA, BCOM, BCET, BEET, BET-C, BET-E, BJA, BMET, BMGT, BNCM, UCMBC, UCMBC-HIC = $175; BHCA, BMDD, BSTM-HIM = $100.
[4] For matriculating students at current tuition rates, credit hours shown and full-time attendance; includes a $30 application fee; nonrefundable student services charge, LMS access fee, average estimated course resource fee, and average estimated textbook and equipment expense. Does not include Student Tuition Recovery Fund (STRF) assessment, a nonrefundable California state-imposed assessment DeVry collects from students and remits on behalf of California residents enrolled in an online program at DeVry and students enrolled at a DeVry location in California. The STRF fee is currently $0.
[5] Reflects required courses HIT230, HIT272 and HIT274, seven credit hours total, provided at no tuition charge.
[6] Reflects required three-credit-hour course HIT230 provided at no tuition charge.

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 in core competencies required of electronics engineering technologists, DeVry's Biomedical Engineering Technology (BMET) 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.

Programmatic Accreditation
This program is accredited by the Engineering Technology Accreditation Commission of ABET. More information is available in the Programmatic Accreditation and Recognition section.

TECH CORE – The Internet of Things Experience
This program features a sequence of Tech Core courses to help build a set of interdisciplinary skills for today's fast changing digital world. These courses teach principles used throughout the Internet of Things (IoT) ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security.

Tech Core curriculum includes course instruction providing a practical, hands-on experience with IoT, cloud, software and security technologies and systems.

Notes:

To complete their program, BMET students must meet requirements outlined in the Electronics and Engineering Technology – General Course Requirements section and may also have to satisfy requirements outlined in the Healthcare Site Requirements and General Information section.

Coursework may be taken onsite and online, as available, to fulfil graduation requirements.

Program Educational Objectives
Program educational objectives (PEOs) are broad statements that describe what graduates are expected to attain within a few years of graduation. PEOs are based on the needs of the program's constituents and are a requirement of ETAC of ABET accreditation. BMET PEOs are:

- Obtain employment in a technology-related position with appropriate title and compensation.
- Achieve a successful professional career.
- Adapt 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. These outcomes map directly to the current Student Outcome Criteria prescribed by ETAC of ABET. Student outcomes for the BMET program are:

- Apply knowledge, techniques, skills and modern tools of mathematics, science, engineering and technology to solve broadly defined engineering problems appropriate to the discipline.
- Design systems, components or processes meeting specified needs for broadly defined engineering problems appropriate to the discipline.
- Apply written, oral and graphical communication in broadly defined technical and nontechnical environments, and an ability to identify and use appropriate technical literature.
- Conduct standard tests, measurements and experiments, and analyze and interpret results to improve processes.
- Function effectively as a member as well as a leader of technical teams.

Program Details
- **Degree:** Bachelor of Science in Biomedical Engineering Technology (in New York, Bachelor of Technology in Biomedical Engineering Technology)
- **Total semesters:** 9 full time, assuming enrollment in 15-16 credit hours per semester; enrollment in additional credit hours may be needed in some semesters
- **Minimum credit hours required for graduation:** 139[1]
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 4 years, 4 months, assuming enrollment in 2 semesters per 12-month period[1]
  - **Minimum time to complete:** 3 years, assuming continuous year-round enrollment (3 semesters per 12-month period)[2]

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

Program Outline
Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Provided prerequisites are met, courses in course areas marked with a single caret (^) may be replaced with applicable alternate courses from the College of Engineering & Information Sciences (COEIS), and courses in course areas marked with a double caret (^^) may be replaced with applicable alternate courses from COEIS or the College of Business & Management.

Additional program-related information and notes are found after the program outline.

[1] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[2] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

Communication Skills – 15[3] credit hours required

ENGL112[4]: Composition – 4 credit hours
ENGL135: Advanced Composition – 4 credit hours
ENGL216: Technical Writing – 4 credit hours
SPCH275: Public Speaking – 3 credit hours

Humanities – 9 credit hours required

ETHC445: Principles of Ethics – 3 credit hours
HUMN303: Introduction to the Humanities – 3 credit hours
LAS432: Technology, Society, and Culture – 3 credit hours

Social Sciences – 6 credit hours required

ECON312: Principles of Economics – 3 credit hours
SOCS185: Culture and Society – 3 credit hours

Mathematics, Analytical Methods and Natural Sciences – 31 credit hours required

BIOS105: Fundamentals of Anatomy and Physiology – 4 credit hours
CEIS301: Engineering Technology Fundamentals – 3 credit hours
ECT345: Signals and Systems – 4 credit hours
MATH114: Algebra for College Students – 4 credit hours
MATH190: Pre-Calculus – 4 credit hours
MATH221: Statistics for Decision-Making – 4 credit hours
MATH265: Applied Calculus – 4 credit hours
TECH204: Everyday Physics – 4 credit hours

Personal and Professional Development – 5 credit hours required

CARD405: Career Development – 2 credit hours
COLL148: Critical Thinking and Problem-Solving – 3 credit hours

Tech Core^ – 21 credit hours required

CEIS101: Introduction to Technology and Information Systems – 2 credit hours
CEIS106: Introduction to Operating Systems – 4 credit hours
CEIS110: Introduction to Programming – 3 credit hours
CEIS114: Introduction to Digital Devices – 3 credit hours
NETW191: Fundamentals of Information Technology and Networking – 3 credit hours
NETW212: Introduction to Cloud Computing – 3 credit hours
SEC285: Fundamentals of Information System Security – 3 credit hours

Automation and Electronic Systems^ – 12 credit hours required

ECT226: Electronic Device and System Foundations – 3 credit hours
ECT286: Automation and Control – 3 credit hours
ECT315: Industrial IoT – 3 credit hours
NETW310: Wired, Optical and Wireless Communications with Lab – 3 credit hours

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[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.

Information Systems and Programming^ – 13 credit hours required

BIAM110: Introduction to Business Analytics – 3 credit hours
CEIS236: Database Systems and Programming Fundamentals – 4 credit hours
CEIS308: Computer-Aided Design – 3 credit hours
CEIS485: Data Interpretation and Statistical Analysis – 3 credit hours

Biomedical Engineering Technology^ – 12 credit hours required

BMET314: Medical Instrumentation – 3 credit hours
BMET316: Medical Imaging Technology – 3 credit hours
BMET318: Telemedicine – 3 credit hours
HIT111: Basic Medical Terminology – 3 credit hours

Career Preparation and Development^^ – 15 credit hours required

CEIS298: Introduction to Technical Project Management – 1 credit hour
CEIS310: Process Improvement – 3 credit hours
CEIS499[5]: Preparation for the Profession – 1 credit hour
MGMT404: Project Management – 4 credit hours
MGMT408: Management of Technology Resources – 3 credit hours
TECH460: Senior Project – 3 credit hours

Notes
Visit the General Notes section for additional information.

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 https://www.onetonline.org by searching for the career title or SOC number.

[5] Students who complete CARD415 instead of CARD405 apply CARD415 to fulfill this requirement.

Communications Bachelor's Degree Program

Note: This program is no longer accepting new applicants.

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

Program 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
- **Total semesters:** 8 full time, assuming enrollment in 12-18 credit hours per semester; enrollment in additional credit hours may be needed in some semesters
- **Minimum credit hours required for graduation:** 122
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 4 years, assuming enrollment in 2 semesters per 12-month period[1]
  - **Minimum time to complete:** 2 years, 8 months, assuming continuous year-round enrollment (3 semesters per 12-month period)[2]

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

Program Outline
Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Additional program-related information and notes are found after the program outline.

Communication Skills – 15 credit hours required

ENGL112: Composition – 4 credit hours

ENGL135: Advanced Composition – 4 credit hours

[1] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[2] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

ENGL216: Technical Writing – 4 credit hours
SPCH275: Public Speaking – 3 credit hours

Humanities – 12 credit hours required

ETHC445: Principles of Ethics – 3 credit hours
HIST405: United States History – 3 credit hours
HUMN303: Introduction to the Humanities – 3 credit hours
LAS432: Technology, Society, and Culture – 3 credit hours

Social Sciences – 15 credit hours required

LAWS310: The Legal Environment – 3 credit hours
POLI330[3]: Political Science – 3 credit hours
PSYC305: Motivation and Leadership – 3 credit hours
SOCS185: Culture and Society – 3 credit hours
SOCS325: Environmental Sociology – 3 credit hours

Mathematics and Natural Sciences – 20 credit hours required

BIOS105: Fundamentals of Human Anatomy and Physiology – 4 credit hours
MATH114: Algebra for College Students – 4 credit hours
MATH221: Statistics for Decision-Making – 4 credit hours
SCI228: Nutrition, Health and Wellness with Lab – 4 credit hours
TECH215: Introduction to Sustainability – 4 credit hours

Personal and Professional Development – 5 credit hours required

CARD405: Career Development – 2 credit hours
COLL148: Critical Thinking and Problem-Solving – 3 credit hours

Applied Technologies – 6 credit hours required

BIAM110: Introduction to Business Analytics – 3 credit hours
BIS155: Data Analysis with Spreadsheets with Lab – 3 credit hours

Business – 19 credit hours required

BIS245: Database Essentials for Business with Lab – 4 credit hours
BUSN115: Introduction to Business and Technology – 3 credit hours
BUSN319: Marketing – 3 credit hours
COMP100: Computer Applications for Business with Lab – 2 credit hours
ECON312: Principles of Economics – 3 credit hours
MGMT404: Project Management – 4 credit hours

Business Communications Concentration – 28 credit hours required

BUSN315: Contemporary Business – 3 credit hours
BUSN412: Business Policy – 4 credit hours
LEAD430: Consulting and Problem Solving – 3 credit hours
MGMT303: Principles of Management – 3 credit hours

[3] Students enrolled at a Nevada location must take POLI332 in lieu of this course.

MGMT330: Business Communication – 4 credit hours
MKTG340: Digital Marketing Fundamentals – 3 credit hours
TC220: Rhetorical Strategies for Technical Communication – 4 credit hours
TC420: Marketing and Corporate Communications – 4 credit hours

Senior Project – 4 credit hours required

COMM491: Senior Project I – 2 credit hours
COMM492: Senior Project II – 2 credit hours

Notes
Visit the General Notes section for additional information.

Employment positions determined to be in field for graduates of the Bachelor of Science in Communications degree program include Public Relations Specialists (27-3031.00); Writers and Authors (27-3043.00); Poets, Lyricists, and Creative Writers (27-3043.05); Editors (27-3041.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

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.

Programmatic Accreditation
This program is accredited by the Engineering Technology Accreditation Commission of ABET. More information is available in the Programmatic Accreditation and Recognition section.

TECH CORE – The Internet of Things Experience
This program features a sequence of Tech Core courses to help build a set of interdisciplinary skills for today's fast changing digital world. These courses teach principles used throughout the Internet of Things (IoT) ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security.

Tech Core curriculum includes course instruction providing a practical, hands-on experience with IoT, cloud, software and security technologies and systems.

Notes:

To complete their programs, students must meet requirements outlined in the Engineering and Information Sciences – General Course Requirements section.

Program Educational Objectives
Program educational objectives (PEOs) are broad statements that describe what graduates are expected to attain within a few years of graduation. PEOs are based on the needs of the program's constituents and are a requirement of ETAC of ABET accreditation. CET PEOs are:

- Obtain employment in a technology-related position with appropriate title and compensation.
- Achieve a successful professional career.
- Adapt 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. These outcomes map directly to the current Student Outcome Criteria prescribed by ETAC of ABET. Student outcomes for the CET program are:

- Apply knowledge, techniques, skills and modern tools of mathematics, science, engineering and technology to solve broadly defined engineering problems appropriate to the discipline.
- Design systems, components or processes meeting specified needs for broadly defined engineering problems appropriate to the discipline.
- Apply written, oral and graphical communication in broadly defined technical and nontechnical environments, and an ability to identify and use appropriate technical literature.
- Conduct standard tests, measurements and experiments, and analyze and interpret results to improve processes.
- Function effectively as a member as well as a leader of technical teams.

Program Details

- **Degree:** Bachelor of Science in Computer Engineering Technology (in New York, Bachelor of Technology in Computer Engineering Technology)
- **Total semesters:** 9 full time, assuming enrollment in 13-18 credit hours per semester; enrollment in additional credit hours may be needed in some semesters
- **Minimum credit hours required for graduation:** 139
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 4 years, 4 months, assuming enrollment in 2 semesters per 12-month period[1]
  - **Minimum time to complete:** 3 years, assuming continuous year-round enrollment (3 semesters per 12-month period)[2]

Program Outline

Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Provided prerequisites are met, courses in course areas marked with a single caret (^) may be replaced with applicable alternate courses from the College of Engineering & Information Sciences (COEIS), and courses in course areas marked with a double caret (^^) may be replaced with applicable alternate courses from COEIS or the College of Business & Management.

Additional program-related information and notes are found after the program outline.

Communication Skills – 15 credit hours required

ENGL112: Composition – 4 credit hours

ENGL135: Advanced Composition – 4 credit hours

ENGL216: Technical Writing – 4 credit hours

SPCH275: Public Speaking – 3 credit hours

[1] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[2] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

Humanities – 9 credit hours required

ETHC445: Principles of Ethics – 3 credit hours
HUMN303: Introduction to the Humanities – 3 credit hours
LAS432: Technology, Society, and Culture – 3 credit hours

Social Sciences – 9 credit hours required

ECON312: Principles of Economics – 3 credit hours
SOCS185: Culture and Society – 3 credit hours
SOCS325: Environmental Sociology – 3 credit hours

Mathematics, Analytical Methods and Natural Sciences – 27 credit hours required

CEIS301: Engineering Technology Fundamentals – 3 credit hours
ECT345: Signals and Systems – 4 credit hours
MATH114: Algebra for College Students – 4 credit hours
MATH190: Pre-Calculus – 4 credit hours
MATH221: Statistics for Decision-Making – 4 credit hours
MATH265: Applied Calculus – 4 credit hours
TECH204: Everyday Physics – 4 credit hours

Personal and Professional Development – 5 credit hours required

CARD405: Career Development – 2 credit hours
COLL148: Critical Thinking and Problem-Solving – 3 credit hours

Automation and Electronic Systems^ – 15 credit hours required

CEIS490: Ecosystems of the Internet of Things – 3 credit hours
ECT226: Electronic Device and System Foundations – 3 credit hours
ECT286: Automation and Control – 3 credit hours
ECT315: Industrial IoT – 3 credit hours
NETW310: Wired, Optical and Wireless Communications with Lab – 3 credit hours

Tech Core^ – 21 credit hours required

CEIS101: Introduction to Technology and Information Systems – 2 credit hours
CEIS106: Introduction to Operating Systems – 4 credit hours
CEIS110: Introduction to Programming – 3 credit hours
CEIS114: Introduction to Digital Devices – 3 credit hours
NETW191: Fundamentals of Information Technology and Networking – 3 credit hours
NETW212: Introduction to Cloud Computing – 3 credit hours
SEC285: Fundamentals of Information System Security – 3 credit hours

Information Systems and Programming^ – 26 credit hours required

CEIS150: Programming Objects – 4 credit hours
CEIS209: Intermediate Programming – 4 credit hours
CEIS236: Database Systems and Programming Fundamentals – 4 credit hours
CEIS295: Data Structures and Algorithms – 3 credit hours

CEIS312: Introduction to Artificial Intelligence and Machine Learning – 3 credit hours
CIS355A: Business Application Programming with Lab – 4 credit hours
WEB375: Web Architecture with Lab – 4 credit hours

Career Preparation and Development^^ – 12 credit hours required

CEIS298: Introduction to Technical Project Management – 1 credit hour
CEIS310: Process Improvement – 3 credit hours
CEIS499[3]: Preparation for the Profession – 1 credit hour
MGMT404: Project Management – 4 credit hours
TECH460: Senior Project – 3 credit hours

Notes
Visit the General Notes section for additional information.

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 https://www.onetonline.org by searching for the career title or SOC number.

[3] Students who complete CARD415 instead of CARD405 apply CARD415 to fulfill this requirement.

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 workforce 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.

Programmatic Accreditation
This program is accredited by the Engineering Technology Accreditation Commission of ABET. More information is available in the Programmatic Accreditation and Recognition section.

TECH CORE – The Internet of Things Experience
This program features a sequence of Tech Core courses to help build a set of interdisciplinary skills for today's fast changing digital world. These courses teach principles used throughout the Internet of Things (IoT) ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security.

Tech Core curriculum includes course instruction providing a practical, hands-on experience with IoT, cloud, software and security technologies and systems.

Notes:

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

Program Educational Objectives
Program educational objectives (PEOs) are broad statements that describe what graduates are expected to attain within a few years of graduation. PEOs are based on the needs of the program's constituents and are a requirement of ETAC of ABET accreditation. EET PEOs are:

- Obtain employment in a technology-related position with appropriate title and compensation.
- Achieve a successful professional career.
- Adapt 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. These outcomes map directly to the current Student Outcome Criteria prescribed by ETAC of ABET. Student outcomes for the EET program are:

- Apply knowledge, techniques, skills and modern tools of mathematics, science, engineering and technology to solve broadly defined engineering problems appropriate to the discipline.
- Design systems, components or processes meeting specified needs for broadly defined engineering problems appropriate to the discipline.
- Apply written, oral and graphical communication in broadly defined technical and nontechnical environments, and an ability to identify and use appropriate technical literature.
- Conduct standard tests, measurements and experiments, and analyze and interpret results to improve processes.
- Function effectively as a member as well as a leader of technical teams.

Program Details
- **Degree:** Bachelor of Science in Electronics Engineering Technology (in New York, Bachelor of Technology in Electronics Engineering Technology)
- **Total semesters:** 9 full time, assuming enrollment in 13-20 credit hours per semester; enrollment in additional credit hours may be needed in some semesters
- **Minimum credit hours required for graduation:** 139[1]
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 4 years, 4 months, assuming enrollment in 2 semesters per 12-month period[2]
  - **Minimum time to complete:** 3 years, assuming continuous year-round enrollment (3 semesters per 12-month period)[3]

Program Outline
Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Provided prerequisites are met, courses in course areas marked with a single caret (^) may be replaced with applicable alternate courses from the College of Engineering & Information Sciences (COEIS), and courses in course areas marked with a double caret (^^) may be replaced with applicable alternate courses from COEIS or the College of Business & Management.

Additional program-related information and notes are found after the program outline.

Communication Skills – 15[4] credit hours required

ENGL112[5]: Composition – 4 credit hours

ENGL135: Advanced Composition – 4 credit hours

[1] 133 for students enrolled at a New Jersey location.
[2] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[3] Assumes students remain on a minimum-time-to-complete schedule throughout their program.
[4] 14 for students enrolled at a New Jersey location.
[5] Students enrolled at a New Jersey location take ENGL108 in lieu of this course.

ENGL216: Technical Writing – 4 credit hours
SPCH275: Public Speaking – 3 credit hours

Humanities – 6 credit hours required

ETHC232: Ethical and Legal Issues in the Professions – 3 credit hours
LAS432: Technology, Society, and Culture – 3 credit hours

Social Sciences – 9 credit hours required

ECON312: Principles of Economics – 3 credit hours
SOCS185: Culture and Society – 3 credit hours
SOCS325: Environmental Sociology – 3 credit hours

Mathematics, Analytical Methods and Natural Sciences – 27 credit hours required

CEIS301: Engineering Technology Fundamentals – 3 credit hours
ECT345: Signals and Systems – 4 credit hours
MATH114: Algebra for College Students – 4 credit hours
MATH190: Pre-Calculus – 4 credit hours
MATH221: Statistics for Decision-Making – 4 credit hours
MATH265: Applied Calculus – 4 credit hours
TECH204: Everyday Physics – 4 credit hours

Personal and Professional Development – 5 credit hours required

CARD405: Career Development – 2 credit hours
COLL148: Critical Thinking and Problem-Solving – 3 credit hours

Tech Core^ – 21 credit hours required

CEIS101[6]: Introduction to Technology and Information Systems – 2 credit hours
CEIS106: Introduction to Operating Systems – 4 credit hours
CEIS110: Introduction to Programming – 3 credit hours
CEIS114: Introduction to Digital Devices – 3 credit hours
NETW191: Fundamentals of Information Technology and Networking – 3 credit hours
NETW212: Introduction to Cloud Computing – 3 credit hours
SEC285: Fundamentals of Information System Security – 3 credit hours

Automation and Electronic Systems^ – 12 credit hours required

ECT226: Electronic Device and System Foundations – 3 credit hours
ECT286: Automation and Control – 3 credit hours
ECT315: Industrial IoT – 3 credit hours
NETW310: Wired, Optical and Wireless Communications with Lab – 3 credit hours

Information Systems and Programming^ – 16 credit hours required

BIAM110: Introduction to Business Analytics – 3 credit hours
CEIS236: Database Systems and Programming Fundamentals – 4 credit hours

[6] Students must take CEIS101 prior to taking any other course in the Tech Core and in all of the program's technical course areas, including Career Preparation.

CEIS308: Computer-Aided Design – 3 credit hours
CEIS312: Introduction to Artificial Intelligence and Machine Learning – 3 credit hours
CEIS485: Data Interpretation and Statistical Analysis – 3 credit hours

Program Option – one option selected^ – 13 credit hours required

- **Renewable Energy Engineering Technology students – 13 credit hours required**
  REET302: Introduction to Alternative Energy Technologies – 3 credit hours
  REET322: Power Electronics and Alternative Energy Applications – 3 credit hours
  REET326: Electric Machines and Power Systems – 3 credit hours
  TECH215: Introduction to Sustainability – 4 credit hours

- **All Other Students – Standard Option – 13 credit hours required**
  CEIS340: Database Management – 3 credit hours
  CEIS490: Ecosystem of the Internet of Things – 3 credit hours
  SEC290: Fundamentals of Infrastructure Security – 3 credit hours
  SEC305: Cybersecurity and Data Privacy – 4 credit hours

Career Preparation and Development^^ – 15 credit hours required

CEIS298: Introduction to Technical Project Management – 1 credit hour
CEIS310: Process Improvement – 3 credit hours
CEIS499[7]: Preparation for the Profession – 1 credit hour
MGMT404: Project Management – 4 credit hours
MGMT408: Management of Technologies – 3 credit hours
TECH460: Senior Project – 3 credit hours

Notes
Visit the General Notes section for additional information.

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 https://www.onetonline.org by searching for the career title or SOC number.

[7] Students who complete CARD415 instead of CARD405 apply CARD415 to fulfill this requirement.

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.

TECH CORE – The Internet of Things Experience
This program features a sequence of Tech Core courses to help build a set of interdisciplinary skills for today's fast changing digital world. These courses teach principles used throughout the Internet of Things (IoT) ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security.

Tech Core curriculum includes course instruction providing a practical, hands-on experience with IoT, cloud, software and security technologies and systems.

Note: To complete their program, ECT students must meet requirements outlined in the Electronics and Engineering Technology Programs – General Course Requirements section.

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 modern tools of mathematics, science, engineering and technology to solve well-defined engineering problems appropriate to the discipline.
- Design solutions for well-defined technical problems, and assist with the engineering design of systems, components or processes appropriate to the discipline.
- Apply written, oral and graphical communication in well-defined technical and nontechnical environments, and an ability to identify and use appropriate technical literature.
- Conduct standard tests, measurements and experiments, and analyze and interpret results.
- Function effectively as a member of a technical team.

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, Associate in Applied Science in Electronics and Computer Technology)
- **Total semesters:** 5 full time, assuming enrollment in 13-14 credit hours per semester; enrollment in additional credit hours may be needed in some semesters
- **Minimum credit hours required for graduation:** 71[1]
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 2 years, 4 months, assuming enrollment in 2 semesters per 12-month period[2]
  - **Minimum time to complete:** 1 year, 8 months, assuming continuous year-round enrollment (3 semesters per 12-month period)[3]

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

Program Outline

Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Provided prerequisites are met, courses in course areas marked with a single caret (^) may be replaced with applicable alternate courses from the College of Engineering & Information Sciences (COEIS), and courses in course areas marked with a double caret (^^) may be replaced with applicable alternate courses from COEIS or the College of Business & Management.

Additional program-related information and notes are found after the program outline.

Communication Skills – 7 credit hours required

ENGL112: Composition – 4 credit hours
SPCH275: Public Speaking – 3 credit hours

Humanities – 3 credit hours required

ETHC232: Ethical and Legal Issues in the Professions – 3 credit hours

Social Sciences – 3 credit hours required

SOCS185[4]: Culture and Society – 3 credit hours

Mathematics and Natural Sciences – 15 credit hours required

CEIS301: Engineering Technology Fundamentals – 3 credit hours
MATH114: Algebra for College Students – 4 credit hours

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[1] 72 for Ohio residents enrolled as online students
[2] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[3] Assumes students remain on a minimum-time-to-complete schedule throughout their program.
[4] Students enrolled at a Nevada location must take POLI332 in lieu of this requirement.

MATH221: Statistics for Decision-Making – 4 credit hours
TECH204: Everyday Physics – 4 credit hours

Personal and Professional Development – 5 credit hours required

CARD205: Career Development – 2 credit hours
COLL148: Critical Thinking and Problem-Solving – 3 credit hours

Tech Core^ – 21 credit hours required

CEIS101: Introduction to Technology and Information Systems – 2 credit hours
CEIS106: Introduction to Operating Systems – 4 credit hours
CEIS110: Introduction to Programming – 3 credit hours
CEIS114: Introduction to Digital Devices – 3 credit hours
NETW191: Fundamentals of Information Technology and Networking – 3 credit hours
NETW212: Introduction to Cloud Computing – 3 credit hours
SEC285: Fundamentals of Information System Security – 3 credit hours

Automation and Electronic Systems^ – 12[5] credit hours required

CEIS308: Computer-Aided Design – 3 credit hours
ECT226: Electronic Device and System Foundations – 3 credit hours
ECT286: Automation and Control – 3 credit hours
NETW310[6]: Wired, Optical and Wireless Communication with Lab – 3 credit hours

Career Preparation^^ – 5 credit hours required

CEIS298: Introduction to Technical Project Management – 1 credit hour
MGMT404: Project Management – 4 credit hours

Notes
Visit the General Notes section for additional information.

Employment positions determined to be in field, to calculate 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 and New York, 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 may be found at https://www.onetonline.org by searching for the career title or SOC number.

[5] 24 for Ohio residents enrolled as online students
[6] 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.

Engineering Technology – Computers Bachelor's Degree Program

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.

Programmatic Accreditation
This program is accredited by the Engineering Technology Accreditation Commission of ABET. More information is available in the Programmatic Accreditation and Recognition section.

TECH CORE – The Internet of Things Experience
This program features a sequence of Tech Core courses to help build a set of interdisciplinary skills for today's fast changing digital world. These courses teach principles used throughout the Internet of Things (IoT) ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security.

Tech Core curriculum includes course instruction providing a practical, hands-on experience with IoT, cloud, software and security technologies and systems.

Notes:

To complete their program, ET – C students must meet requirements outlined in the Engineering and Information Sciences – General Course Requirements section.

Program Educational Objectives
Program educational objectives (PEOs) are broad statements that describe what graduates are expected to attain within a few years of graduation. PEOs are based on the needs of the program's constituents and are a requirement of ETAC of ABET accreditation. ET – C PEOs are:

- Obtain employment in a technology-related position with appropriate title and compensation.
- Achieve a successful professional career.
- Adapt 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. These outcomes map directly to the current Student Outcome Criteria prescribed by ETAC of ABET. Student outcomes for the ET – C program are:

- Apply knowledge, techniques, skills and modern tools of mathematics, science, engineering and technology to solve broadly defined engineering problems appropriate to the discipline.
- Design systems, components or processes meeting specified needs for broadly defined engineering problems appropriate to the discipline.
- Apply written, oral and graphical communication in broadly defined technical and nontechnical environments, and an ability to identify and use appropriate technical literature.
- Conduct standard tests, measurements and experiments, and analyze and interpret results to improve processes.
- Function effectively as a member as well as a leader of technical teams.

Program Details
- **Degree:** Bachelor of Science in Engineering Technology – Computers
- **Total semesters:** 9 full time, assuming enrollment in 13-18 credit hours per semester; enrollment in additional credit hours may be needed in some semesters
- **Minimum credit hours required for graduation:** 139
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 4 years, 4 months, assuming enrollment in 2 semesters per 12-month period[1]
  - **Minimum time to complete:** 3 years, assuming continuous year-round enrollment (3 semesters per 12-month period)[2]

Program Outline
Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Provided prerequisites are met, courses in course areas marked with a single caret (^) may be replaced with applicable alternate courses from the College of Engineering & Information Sciences (COEIS), and courses in course areas marked with a double caret (^^) may be replaced with applicable alternate courses from COEIS or the College of Business & Management.

Additional program-related information and notes are found after the program outline.

Communication Skills – 15 credit hours required

ENGL112: Composition – 4 credit hours
ENGL135: Advanced Composition – 4 credit hours
ENGL216: Technical Writing – 4 credit hours
SPCH275: Public Speaking – 3 credit hours

[1] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[2] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

Humanities – 9 credit hours required

ETHC445: Principles of Ethics – 3 credit hours
HUMN303: Introduction to the Humanities – 3 credit hours
LAS432: Technology, Society, and Culture – 3 credit hours

Social Sciences – 9 credit hours required

ECON312: Principles of Economics – 3 credit hours
SOCS185: Culture and Society – 3 credit hours
SOCS325: Environmental Sociology – 3 credit hours

Mathematics, Analytical Methods and Natural Sciences – 27 credit hours required

CEIS301: Engineering Technology Fundamentals – 3 credit hours
ECT345: Signals and Systems – 4 credit hours
MATH114: Algebra for College Students – 4 credit hours
MATH190: Pre-Calculus – 4 credit hours
MATH221: Statistics for Decision-Making – 4 credit hours
MATH265: Applied Calculus – 4 credit hours
TECH204: Everyday Physics – 4 credit hours

Personal and Professional Development – 5 credit hours required

CARD405: Career Development – 2 credit hours
COLL148: Critical Thinking and Problem-Solving – 3 credit hours

Automation and Electronic Systems^ – 15 credit hours required

CEIS490: Ecosystems of the Internet of Things – 3 credit hours
ECT226: Electronic Device and System Foundations – 3 credit hours
ECT286: Automation and Control – 3 credit hours
ECT315: Industrial IoT – 3 credit hours
NETW310: Wired, Optical and Wireless Communications with Lab – 3 credit hours

Tech Core^ – 21 credit hours required

CEIS101: Introduction to Technology and Information Systems – 2 credit hours
CEIS106: Introduction to Operating Systems – 4 credit hours
CEIS110: Introduction to Programming – 3 credit hours
CEIS114: Introduction to Digital Devices – 3 credit hours
NETW191: Fundamentals of Information Technology and Networking – 3 credit hours
NETW212: Introduction to Cloud Computing – 3 credit hours
SEC285: Fundamentals of Information System Security – 3 credit hours

Information Systems and Programming^ – 26 credit hours required

CEIS150: Programming Objects – 4 credit hours
CEIS209: Intermediate Programming – 4 credit hours
CEIS236: Database Systems and Programming Fundamentals – 4 credit hours
CEIS295: Data Structures and Algorithms – 3 credit hours

CEIS312: Introduction to Artificial Intelligence and Machine Learning – 3 credit hours
CIS355A: Business Application Programming with Lab – 4 credit hours
WEB375: Web Architecture with Lab – 4 credit hours

Career Preparation and Development^^ – 12 credit hours required

CEIS298: Introduction to Technical Project Management – 1 credit hour
CEIS310: Process Improvement – 3 credit hours
CEIS499[3]: Preparation for the Profession – 1 credit hour
MGMT404: Project Management – 4 credit hours
TECH460: Senior Project – 3 credit hours

Notes
Visit the General Notes section for additional information.

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 https://www.onetonline.org by searching for the career title or SOC number.

[3] Students who complete CARD415 instead of CARD405 apply CARD415 to fulfill this requirement.

Engineering Technology – Electronics Bachelor's Degree Program

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.

Programmatic Accreditation
Programmatic accreditation for the ET – E program from the Engineering Technology Accreditation Commission of ABET expired September 30, 2023. Students enrolled in the ET – E program may continue in the program or may transfer to DeVry's Bachelor of Science degree program in Engineering Technology, which is 13 fewer credit hours than the ET – E program and is ETAC of ABET accredited. More information is available from a student support advisor.

TECH CORE – The Internet of Things Experience
This program features a sequence of Tech Core courses to help build a set of interdisciplinary skills for today's fast changing digital world. These courses teach principles used throughout the Internet of Things (IoT) ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security.

Tech Core curriculum includes course instruction providing a practical, hands-on experience with IoT, cloud, software and security technologies and systems.

Notes:

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

Program Educational Objectives
Program educational objectives (PEOs) are broad statements that describe what graduates are expected to attain within a few years of graduation. PEOs are based on the needs of the program's constituents and are a requirement of ETAC of ABET accreditation. ET – E PEOs are:

- Obtain employment in a technology-related position with appropriate title and compensation.
- Achieve a successful professional career.
- Adapt 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. These outcomes map directly to the current Student Outcome Criteria prescribed by ETAC of ABET. Student outcomes for the ET – E program are:

- Apply knowledge, techniques, skills and modern tools of mathematics, science, engineering and technology to solve broadly defined engineering problems appropriate to the discipline.
- Design systems, components or processes meeting specified needs for broadly defined engineering problems appropriate to the discipline.
- Apply written, oral and graphical communication in broadly defined technical and nontechnical environments, and an ability to identify and use appropriate technical literature.
- Conduct standard tests, measurements and experiments, and analyze and interpret results to improve processes.
- Function effectively as a member as well as a leader of technical teams.

Program Details
- **Degree:** or Bachelor of Science in Engineering Technology – Electronics
- **Total semesters:** 9 full time, assuming enrollment in 13-20 credit hours per semester; enrollment in additional credit hours may be needed in some semesters
- **Minimum credit hours required for graduation:** 139
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 4 years, 4 months, assuming enrollment in 2 semesters per 12-month period[1]
  - **Minimum time to complete:** 3 years, assuming continuous year-round enrollment (3 semesters per 12-month period)[2]

Program Outline
Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Provided prerequisites are met, courses in course areas marked with a single caret (^) may be replaced with applicable alternate courses from the College of Engineering & Information Sciences (COEIS), and courses in course areas marked with a double caret (^^) may be replaced with applicable alternate courses from COEIS or the College of Business & Management.

Additional program-related information and notes are found after the program outline.

[1] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[2] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

Communication Skills – 15[3] credit hours required

ENGL112[4]: Composition – 4 credit hours
ENGL135: Advanced Composition – 4 credit hours
ENGL216: Technical Writing – 4 credit hours
SPCH275: Public Speaking – 3 credit hours

Humanities – 6 credit hours required

ETHC232: Ethical and Legal Issues in the Professions – 3 credit hours
LAS432: Technology, Society, and Culture – 3 credit hours

Social Sciences – 9 credit hours required

ECON312: Principles of Economics – 3 credit hours
SOCS185: Culture and Society – 3 credit hours
SOCS325: Environmental Sociology – 3 credit hours

Mathematics, Analytical Methods and Natural Sciences – 27 credit hours required

CEIS301: Engineering Technology Fundamentals – 3 credit hours
ECT345: Signals and Systems – 4 credit hours
MATH114: Algebra for College Students – 4 credit hours
MATH190: Pre-Calculus – 4 credit hours
MATH221: Statistics for Decision-Making – 4 credit hours
MATH265: Applied Calculus – 4 credit hours
TECH204: Everyday Physics – 4 credit hours

Personal and Professional Development – 5 credit hours required

CARD405: Career Development – 2 credit hours
COLL148: Critical Thinking and Problem-Solving – 3 credit hours

Tech Core^ – 21 credit hours required

CEIS101[5]: Introduction to Technology and Information Systems – 2 credit hours
CEIS106: Introduction to Operating Systems – 4 credit hours
CEIS110: Introduction to Programming – 3 credit hours
CEIS114: Introduction to Digital Devices – 3 credit hours
NETW191: Fundamentals of Information Technology and Networking – 3 credit hours
NETW212: Introduction to Cloud Computing – 3 credit hours
SEC285: Fundamentals of Information System Security – 3 credit hours

Automation and Electronic Systems^ – 12 credit hours required

ECT226: Electronic Device and System Foundations – 3 credit hours
ECT286: Automation and Control – 3 credit hours
ECT315: Industrial IoT – 3 credit hours
NETW310: Wired, Optical and Wireless Communications with Lab – 3 credit hours

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[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 must take CEIS101 prior to taking any other course in the Tech Core an in all of the program's technical course areas, including Career Preparation.

Information Systems and Programming^ – 16 credit hours required

BIAM110: Introduction to Business Analytics – 3 credit hours
CEIS236: Database Systems and Programming Fundamentals – 4 credit hours
CEIS308: Computer-Aided Design – 3 credit hours
CEIS312: Introduction to Artificial Intelligence and Machine Learning – 3 credit hours
CEIS485: Data Interpretation and Statistical Analysis – 3 credit hours

Program Option – one option selected^ – 13 credit hours required

- **Renewable Energy Engineering Technology students – 13 credit hours required**
  REET302: Introduction to Alternative Energy Technologies – 3 credit hours
  REET322: Power Electronics and Alternative Energy Applications – 3 credit hours
  REET326: Electric Machines and Power Systems – 3 credit hours
  TECH215: Introduction to Sustainability – 4 credit hours

- **All Other Students – Standard Option – 13 credit hours required**
  CEIS340: Database Management – 3 credit hours
  CEIS490: Ecosystem of the Internet of Things – 3 credit hours
  SEC290: Fundamentals of Infrastructure Security – 3 credit hours
  SEC305: Cybersecurity and Data Privacy – 4 credit hours

Career Preparation and Development^^ – 15 credit hours required

CEIS298: Introduction to Technical Project Management – 1 credit hour
CEIS310: Process Improvement – 3 credit hours
CEIS499[6]: Preparation for the Profession – 1 credit hour
MGMT404: Project Management – 4 credit hours
MGMT408: Management of Technologies – 3 credit hours
TECH460: Senior Project – 3 credit hours

Notes
Visit the General Notes section for additional information.

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). Note, both the 2010 and 2018 versions of the Standard Occupational Classification (SOC) are reflected. More information about these careers may be found at https://www.onetonline.org by searching for the career title or SOC number.

[6] Students who complete CARD415 instead of CARD405 apply CARD415 to fulfill this requirement.

Healthcare Administration Bachelor's Degree Program

Note: The version of this program below is no longer accepting new applicants. This version applies to students whose initial enrollment was the May 2024 session or prior.

DeVry's Healthcare Administration program is designed to prepare graduates to become managers and support professionals in the healthcare field as well as in related industries. The program helps develop versatile professionals who, using a collaborative approach, apply knowledge of information systems, policy, accounting, budgeting and analysis in diverse healthcare provider settings. The combination of management skills and knowledge of current issues in health services and systems provides Healthcare Administration graduates with a solid foundation on which to begin their healthcare careers.

Program 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
- **Total semesters:** 8 full time, assuming enrollment in 13-18 credit hours per semester; enrollment in additional credit hours may be needed in some semesters
- **Minimum credit hours required for graduation:** 126
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 4 years, assuming enrollment in 2 semesters per 12-month period[1]
  - **Minimum time to complete:** 2 years, 8 months, assuming continuous year-round enrollment (3 semesters per 12-month period)[2]

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

Program Outline
Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Additional program-related information and notes are found after the program outline.

[1] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[2] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

Communication Skills – 15 credit hours required

ENGL112: Composition – 4 credit hours
ENGL135: Advanced Composition – 4 credit hours
ENGL216: Technical Writing – 4 credit hours
SPCH275: Public Speaking – 3 credit hours

Humanities – 9 credit hours required

ETHC445: Principles of Ethics – 3 credit hours
HUMN303: Introduction to the Humanities – 3 credit hours
LAS432: Technology, Society, and Culture – 3 credit hours

Social Sciences – 9 credit hours required

ECON312: Principles of Economics – 3 credit hours
SOCS185: Culture and Society – 3 credit hours
SOCS325: Environmental Sociology – 3 credit hours

Mathematics and Natural Sciences – 12 credit hours required

MATH114: Algebra for College Students – 4 credit hours
MATH221: Statistics for Decision-Making – 4 credit hours
SCI228: Nutrition, Health and Wellness with Lab – 4 credit hours

Personal and Professional Development – 5 credit hours required

CARD405: Career Development – 2 credit hours
COLL148: Critical Thinking and Problem-Solving – 3 credit hours

Business and Technology – 34 credit hours required

ACCT212: Financial Accounting – 4 credit hours
ACCT346: Managerial Accounting – 4 credit hours
BIS155: Data Analysis with Spreadsheets with Lab – 3 credit hours
BIS245: Database Essentials for Business with Lab – 4 credit hours
BUSN115: Introduction to Business and Technology – 3 credit hours
BUSN350: Business Analysis – 3 credit hours
COMP100: Computer Applications for Business with Lab – 2 credit hours
HIM375: Healthcare Data Security and Privacy – 4 credit hours
MGMT303: Principles of Management – 3 credit hours
MGMT404: Project Management – 4 credit hours

Health Services – 24 credit hours required

HSM310: Introduction to Health Services Management – 4 credit hours
HSM320: Health Rights and Responsibilities – 4 credit hours
HSM330: Health Services Information Systems – 4 credit hours
HSM340: Health Services Finance – 4 credit hours
HSM410: Healthcare Policy – 4 credit hours
HSM420: Managed Care and Health Insurance – 4 credit hours

Senior Project – 3 credit hours

BUSN460: Senior Project – 3 credit hours

Healthcare Management Track – 16 credit hours required

BIAM110: Introduction to Business Analytics – 3 credit hours
BUSN319: Marketing – 3 credit hours
HIM335: Health Information Systems and Networks with Lab – 3 credit hours
HIM410: Health Information Financial Management – 3 credit hours
MGMT410: Human Resource Management – 4 credit hours

Notes
Visit the General Notes section for additional information.

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. **Note**: 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.

Employment positions determined to be in field for graduates of the Bachelor of Science in Healthcare Administration degree program include Medical and Health Services Managers (11-9111.00); Administrative Services Managers (11-3012.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

Health Information Technology Associate Degree Program

Note: The version of this program below is no longer accepting new applicants. This version applies to students whose initial enrollment was the January 2024 session or prior.

DeVry's Health Information Technology (HIT) program prepares graduates to work with health data, applications systems and electronic health information databases. Given the importance of information accuracy, privacy and security, HIT graduates are prepared for involvement in regulatory compliance and quality assessment activities designed to ensure that health information systems support patient care and safety. They work with nurses, physicians, other healthcare providers, and managers and technical specialists in various settings such as hospitals, long-term-care facilities, insurance and managed care organizations, government agencies and vendor firms.

Programmatic Accreditation
This program is accredited by the Commission on Accreditation for Health Informatics and Information Management Education. More information is available in the Programmatic Accreditation and Recognition section.

Note: To complete the HIT program, students must meet requirements outlined in the Healthcare Practicum and Clinical Coursework Requirements section and in the Healthcare Site Requirements and General Information section.

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 HIT through DeVry University can apply eligible coursework in the associate degree program toward DeVry's bachelor's degree in Technical Management. Students should note that future programmatic changes could impact application of credit to a future program. Contact a student support advisor for more information.

Program Details

- **Degree:** Associate of Applied Science in Health Information Technology
- **Total semesters:** 4 full time, assuming enrollment in 16-18 credit hours per semester; enrollment in additional credit hours may be needed in some semesters
- **Minimum credit hours required for graduation:** 67
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 2 years, assuming enrollment in 2 semesters per 12-month period[1]
  - **Minimum time to complete:** 1 year, 4 months, assuming continuous year-round enrollment (3 semesters per 12-month period)[2]

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.

Program Outline

Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title 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. Visit the Course Descriptions section for additional information.

Additional program-related information and notes are found after the program outline.

Communication Skills – 4 credit hours required

ENGL112: Composition – 4 credit hours

Humanities – 3 credit hours required

ETHC232: Ethical and Legal Issues in the Professions – 3 credit hours

Social Sciences – 3 credit hours required

SOCS185: Culture and Society – 3 credit hours

Mathematics and Natural Sciences – 15 credit hours required

BIOS105: Fundamentals of Human Anatomy and Physiology – 4 credit hours
BIOS268: Pathopharmacology – 3 credit hours
MATH114: Algebra for College Students – 4 credit hours
MATH221: Statistics for Decision-Making – 4 credit hours

[1] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[2] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

Personal and Professional Development – 5 credit hours required

CARD205: Career Development – 2 credit hours
COLL148: Critical Thinking and Problem-Solving – 3 credit hours

Computer Applications – 2 credit hours required

COMP100: Computer Applications for Business with Lab – 2 credit hours

Health Information Technology – 35 credit hours required

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

Notes
Visit the General Notes section for additional information.

Employment positions determined to be in field for graduates of the Associate of Applied Science in Health Information Technology (in New Jersey, Associate in Applied Science in Health Information Technology) degree program include Health Information Technologists and Medical Registrars (29-9021.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

[3] 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.

Justice Administration Bachelor's Degree Program

Note: This program is no longer accepting new applicants.

The Justice Administration program provides students with a background in various aspects of the criminal justice system and prepares students to adapt to change in this dynamic field. The program is designed to meet the education needs of individuals seeking to begin careers in criminal justice, as well as those currently working in the field or with related experience. Coursework is intended to augment government-required training programs.

The program offers tracks as shown in the following program outline. Students who have not chosen an area of specialization may begin the program in "Undeclared" status; however, they must select a track by the time they have earned 45 semester-credit hours toward their degree.

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.

Note: 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
- **Total semesters:** 8 full time, assuming enrollment in 13-18 credit hours per semester; enrollment in additional credit hours may be needed in some semesters
- **Minimum credit hours required for graduation:** 122
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 4 years, assuming enrollment in 2 semesters per 12-month period[1]
  - **Minimum time to complete:** 2 years, 8 months, assuming continuous year-round enrollment (3 semesters per 12-month period)[2]

[1] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[2] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

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

Program Outline
Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Additional program-related information and notes are found after the program outline.

Communication Skills – 15 credit hours required

ENGL112: Composition – 4 credit hours
ENGL135: Advanced Composition – 4 credit hours
ENGL216: Technical Writing – 4 credit hours
SPCH275: Public Speaking – 3 credit hours

Humanities – 9 credit hours required

ETHC445: Principles of Ethics – 3 credit hours
HUMN303: Introduction to the Humanities – 3 credit hours
LAS432: Technology, Society, and Culture – 3 credit hours

Social Sciences – 9 credit hours required

POLI330[1]: Political Science – 3 credit hours
SOCS185: Culture and Society – 3 credit hours
SOCS325: Environmental Sociology – 3 credit hours

Mathematics and Natural Sciences – 12 credit hours required

MATH114: Algebra for College Students – 4 credit hours
MATH221: Statistics for Decision-Making – 4 credit hours
SCI228: Nutrition, Health and Wellness with Lab – 4 credit hours

Personal and Professional Development – 5 credit hours required

CARD405: Career Development – 2 credit hours
COLL148: Critical Thinking and Problem-Solving – 3 credit hours

Business – 4 credit hours required

MGMT404: Project Management – 4 credit hours

Computing – 2 credit hours required

COMP100: Computer Applications for Business with Lab – 2 credit hours

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

Justice Administration Foundation – 48 credit hours required

CRMJ300: Criminal Justice – 3 credit hours
CRMJ310: Law Enforcement – 3 credit hours
CRMJ315: Juvenile Justice – 3 credit hours
CRMJ320: Theory and Practice of Corrections – 3 credit hours
CRMJ400: Criminology – 3 credit hours
CRMJ410: Criminal Law and Procedure – 3 credit hours
CRMJ425: Ethics and Criminal Justice – 3 credit hours
JADM200: Introduction to Criminal Law – 3 credit hours
JADM240: Introduction to the Criminal Courts – 3 credit hours
JADM250: Police Report Writing – 3 credit hours
JADM270: Correctional Counseling – 3 credit hours
JADM310: Drugs and Society – 3 credit hours
JADM330: Victimology – 3 credit hours
JADM340: Criminal Evidence – 3 credit hours
JADM350: Research Methods in Criminal Justice – 3 credit hours
PSYC305: Motivation and Leadership – 3 credit hours

Senior Project – 4 credit hours required

JADM490: Senior Project I – 2 credit hours
JADM494: Senior Project II – 2 credit hours

Track – one track selected – 15 credit hours required

- **Digital Forensics – 15 credit hours required**
  CCSI410: Digital Forensics I with Lab – 4 credit hours
  CCSI460: Digital Forensics II with Lab – 4 credit hours
  JADM403: Cybercrime – 3 credit hours
  SEC305: Cybersecurity and Data Privacy – 4 credit hours

- **Homeland Security Studies – 15 credit hours required**
  CRMJ450: Terrorism Investigation – 3 credit hours
  JADM455: Emergency Management – 3 credit hours
  JADM480: Homeland Security and Terrorism – 3 credit hours
  JADM485: Security Intelligence Analysis – 3 credit hours
  POLI457: International Relations – 3 credit hours

- **Policing – 15 credit hours required**
  CRMJ420: Criminal Investigation – 3 credit hours
  CRMJ450: Terrorism Investigation – 3 credit hours
  JADM400: Interviewing and Interrogation – 3 credit hours
  JADM403: Cybercrime – 3 credit hours
  JADM413: Police Administration – 3 credit hours

Notes
Visit the General Notes section for additional information.

Employment positions determined to be in field for graduates of the Bachelor of Science in Justice Administration degree program include First-Line Supervisors of Police and Detectives (33-1012.00); Correctional Officers and Jailers (33-3012.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

Management Bachelor's Degree Program

Note: This program is no longer accepting new applicants.

DeVry's Management program (current program version known as Business Management) is designed to prepare graduates to join the workforce as management professionals in a wide variety of industries through coursework that helps students develop knowledge and skills needed to adapt in a rapidly changing, dynamic and competitive global marketplace.

Concentrations are offered as shown in the following program outline. Students who have not chosen an area of specialization may begin the program in "Undeclared" status; however, they must select a concentration by the time they have earned 45 semester-credit hours toward their degree.

Programmatic Accreditation and Alignment
This program is accredited by the Accreditation Council for Business Schools and Programs (ACBSP), demonstrating it has met standards of business education that promote teaching excellence. ACBSP has also granted specialized accounting accreditation to this program when completed with a specialization in Accounting.

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

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

More information is available in the Programmatic Accreditation and Recognition section.

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

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

Program 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 comprehensive research using appropriate technologies to solve business problems in the 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
- **Total semesters:** 8 full time, assuming enrollment in 12-19 credit hours per semester; enrollment in additional credit hours may be needed in some semesters
- **Minimum credit hours required for graduation:** 122
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete**: 4 years, assuming enrollment in 2 semesters per 12-month period[1]
  - **Minimum time to complete:** 2 years, 8 months, assuming continuous year-round enrollment (3 semesters per 12-month period)[2]

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

Program Outline

Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Additional program-related information and notes are found after the program outline.

Communication Skills – 8 credit hours required

ENGL112: Composition – 4 credit hours

ENGL135: Advanced Composition – 4 credit hours

Humanities – 6 credit hours required

ETHC445: Principles of Ethics – 3 credit hours

LAS432: Technology, Society, and Culture – 3 credit hours

Social Sciences – 6 credit hours required

ECON312: Principles of Economics – 3 credit hours

SOCS185[3]: Culture and Society – 3 credit hours

[1] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[2] Assumes students remain on a minimum-time-to-complete schedule throughout their program.
[3] Students enrolled at a Nevada location take POLI332.

Mathematics and Natural Sciences – 12 credit hours required

MATH114: Algebra for College Students – 4 credit hours
SCI228[4]: Nutrition, Health and Wellness with Lab – 4 credit hours
One of:
MATH200: Quantitative Reasoning – 4 credit hours
MATH221[5]: Statistics for Decision-Making – 4 credit hours

Additional General Education Selection – 3 credit hours required

SPCH275: Public Speaking – 3 credit hours

Personal and Professional Development – 5 credit hours required

CARD405: Career Development – 2 credit hours
COLL148: Critical Thinking and Problem-Solving – 3 credit hours

Business Core – 18 credit hours required

BIS155: Data Analysis with Spreadsheets with Lab – 3 credit hours
BUSN115: Introduction to Business and Technology – 3 credit hours
BUSN319: Marketing – 3 credit hours
COMP100: Computer Applications for Business with Lab – 2 credit hours
MGMT303: Principles of Management – 3 credit hours
One of[6]:
ACCT207: Fundamentals of Accounting – 4 credit hours
ACCT212: Financial Accounting – 4 credit hours

Management and Leadership – 23 credit hours required

BIAM110: Introduction to Business Analytics – 3 credit hours
BUSN278: Budgeting and Forecasting – 4 credit hours
BUSN369: International Business – 4 credit hours
LEAD335: Cross-Cultural Leadership – 4 credit hours
MGMT410: Human Resource Management – 4 credit hours
One of[7]:
MGMT404: Project Management – 4 credit hours
PROJ404: Project Management for the Profession – 4 credit hours

Senior Project – 3 credit hours required

BUSN460: Senior Project – 3 credit hours

[4] Ohio residents enrolled as online students, and students enrolled at an Ohio location, must take an additional natural sciences course from those with prefixes BIOS or SCI, or TECH204, which may be applied to the electives course area.
[5] Students selecting the Business Intelligence and Analytics Management concentration must take MATH221.
[6] Students selecting the Accounting or Finance concentration must take ACCT212.
[7] Students selecting the Project Management concentration must take PROJ404.

Analytics and Computing – by Concentration – 11 credit hours required

- **Analytics[8] – for all students except those selecting the Business Intelligence and Analytics Management concentration – 11 credit hours required**

  The Analytics course sequence is for students who want to learn how to implement business analytics and modelling techniques. Students leverage traditional and big data sources as well as design, develop and implement data warehouse solutions.

  ACCT346: Managerial Accounting – 4 credit hours
  BIAM300: Managerial Applications of Business Analytics – 4 credit hours
  BUSN379: Finance – 3 credit hours

- **Computing – for students selecting the Business Intelligence and Analytics Management concentration – 11 credit hours required**

  The Computing course sequence is for students who want to develop a basic understanding of programming logic, databases, scripting languages, web applications applied to business models, and integrating text and graphics into web environments.

  CEIS110: Introduction to Programming – 3 credit hours
  CEIS150: Programming Objects – 4 credit hours
  CEIS209: Intermediate Programming – 4 credit hours

Concentration – one concentration selected – required credit hours vary by concentration

- **Accounting – 27 credit hours required**

  ACCT303: Intermediate Accounting I – 3 credit hours
  ACCT306: Intermediate Accounting II – 3 credit hours
  ACCT313: Intermediate Accounting III – 3 credit hours
  ACCT326: Federal Tax Accounting I – 3 credit hours
  ACCT406: Advanced Accounting – 3 credit hours
  ACCT426: Federal Tax Accounting II – 3 credit hours
  ACCT436: Advanced Cost Management – 3 credit hours
  ACCT446: Auditing – 3 credit hours
  ACCT454: Accounting Information Systems – 3 credit hours

- **Business Intelligence and Analytics Management – 27 credit hours required**

  BIAM300: Managerial Applications of Business Analytics – 4 credit hours
  BIAM400: Applied Business Analytics – 4 credit hours
  BIAM410: Database Concepts in Business Intelligence – 4 credit hours
  BIAM420: Introduction to Internet Analytics – 4 credit hours
  BUSN350: Business Analysis – 3 credit hours
  GSCM206: Managing Operations Across the Supply Chain – 4 credit hours
  GSCM209: Supply Chain Management Decision Support Tools and Applications – 4 credit hours

[8] 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.

- **Finance – 28 credit hours required**
  ACCT303: Intermediate Accounting I – 3 credit hours
  ACCT326: Federal Tax Accounting I – 3 credit hours
  ACCT426: Federal Tax Accounting II – 3 credit hours
  ACCT436: Advanced Cost Management – 3 credit hours
  FIN351: Investment Fundamentals and Security Analysis – 4 credit hours
  FIN364: Money and Banking – 4 credit hours
  FIN382: Financial Statement Analysis – 4 credit hours
  FIN390: Fixed Income Securities Analysis – 4 credit hours

- **Global Supply Chain Management – 28 credit hours required**
  GSCM206: Managing Operations Across the Supply Chain – 4 credit hours
  GSCM209: Supply Chain Management Decision Support Tools and Applications – 4 credit hours
  GSCM326: Total Quality Management – 4 credit hours
  GSCM330: Strategic Supply and Master Planning – 4 credit hours
  GSCM434: Supply Chain Logistics, Distribution and Warehousing – 4 credit hours
  GSCM440: Supply Chain Procurement Management and Sourcing Strategy – 4 credit hours
  GSCM460: Global Issues in Supply Chain Management – 4 credit hours

- **Health Services Management – 28 credit hours required**
  HSM310: Introduction to Health Services Management – 4 credit hours
  HSM320: Health Rights and Responsibilities – 4 credit hours
  HSM330: Health Services Information Systems – 4 credit hours
  HSM340: Health Services Finance – 4 credit hours
  HSM410: Healthcare Policy – 4 credit hours
  HSM420: Managed Care and Health Insurance – 4 credit hours
  HSM430: Planning and Marketing for Health Services Organizations – 4 credit hours

- **Hospitality Management – 28 credit hours required**
  HOSP310: Introduction to Hospitality Management – 4 credit hours
  HOSP320: Foundations of Hotel Management – 4 credit hours
  HOSP330: Meetings and Events Management – 4 credit hours
  HOSP410: Restaurant Management – 4 credit hours
  HOSP420: Food Safety and Sanitation – 4 credit hours
  HOSP440: Casino Management – 4 credit hours
  HOSP450: Tourism Management – 4 credit hours

- **Human Resource Management – 28 credit hours required**
  BUSN412: Business Policy – 4 credit hours
  HRM320: Employment Law – 4 credit hours
  HRM330: Labor Relations – 4 credit hours
  HRM340: Human Resource Information Systems – 4 credit hours

HRM410: Strategic Staffing – 4 credit hours
HRM420: Training and Development – 4 credit hours
HRM430: Compensation and Benefits – 4 credit hours

- **Project Management – 27 credit hours required**
  ACCT436: Advanced Cost Management – 3 credit hours
  GSCM326: Total Quality Management – 4 credit hours
  MGMT340: Business Systems Analysis – 4 credit hours
  PROJ330: Human Resources and Communication in Projects – 4 credit hours
  PROJ410: Contracts and Procurement – 4 credit hours
  PROJ420: Project Risk Management – 4 credit hours
  PROJ432[9]: Advanced Project Management – 4 credit hours

- **Sales and Marketing – 27 credit hours required**
  MKTG310: Consumer Behavior – 4 credit hours
  MKTG320: Market Research – 4 credit hours
  MKTG340: Digital Marketing Fundamentals – 3 credit hours
  MKTG410: Advertising and Public Relations – 4 credit hours
  MKTG425: Personal Selling and Sales Management – 4 credit hours
  MKTG430: International Marketing – 4 credit hours
  SBE330: Creativity, Innovation and New Product Development – 4 credit hours

- **Small Business Management and Entrepreneurship – 28 credit hours required**
  BUSN258: Customer Relations – 4 credit hours
  BUSN412: Business Policy – 4 credit hours
  SBE310: Small Business Management and Entrepreneurship – 4 credit hours
  SBE330: Creativity, Innovation and New Product Development – 4 credit hours
  SBE420: Operational Issues in Small Business Management – 4 credit hours
  SBE430: E-Commerce for Small Business – 4 credit hours
  SBE440: Business Plan Writing for Small Businesses and Entrepreneurs – 4 credit hours

Notes
Visit the General Notes section for additional information.

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

Most state boards of accountancy require 150 credit hours of postsecondary education in order to sit for the CPA exam. As this program is less than 150 credit hours, this program alone does

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

not meet the minimum credit hour requirements to sit for the CPA exam. Students interested in sitting for the CPA exam should check their state's requirements.

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

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

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

Note: The versions of these programs below are no longer accepting new applicants. These versions apply to students whose initial enrollment was the January 2024 session or prior.

DeVry's Medical Billing & Coding (MBC) undergraduate certificate program provides students with knowledge, skills and abilities needed to function as entry-level coding specialists in the health information management field. Coursework, taught from the practitioner's perspective, focuses on skills and coding competencies used in settings such as hospitals and physician practices.

The MBC certificate can help students who are new to health coding begin their professional journey. The MBC – Health Information Coding (MBC – HIC) certificate can help those with previous coursework or experience prepare for more advanced entry-level positions.

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 (visit the Special Admission Requirements section).

Students who complete the MBC certificate and who are later admitted to DeVry's MBC – HIC undergraduate certificate program may not be eligible for financial assistance. Students should contact their student support advisor for more information.

Those who have earned an MBC or MBC – HIC certificate can apply eligible credits earned toward DeVry's associate degree in Health Information Technology or bachelor's degree in Technical Management. Students should note that future programmatic changes could impact application of credit to a future program. Contact a student support advisor for more information.

The MBC 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 MBC – HIC certificate program includes material addressed in the Certified Coding Specialist (CCS) certification exam. Detailed information on qualifications for the exam is available at https://ahima.org/certification-careers/certifications-overview/ccs/.

Medical Billing & Coding Program

Program Details

- **Credential:** Undergraduate Certificate in Medical Billing and Coding
- **Total semesters:** 3, assuming enrollment in 10-13 credit hours per semester
- **Minimum credit hours required for completion:** 34
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete**: 1 year, 4 months, assuming enrollment in 2 semesters per 12-month period[1]
  - **Minimum time to complete**: 12 months, assuming continuous year-round enrollment (3 semesters per 12-month period)[2]

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

Program Outline

Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title 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. Visit the Course Descriptions section for additional information.

Additional program-related information and notes are found after the program outline.

Natural Sciences – 7 credit hours required

BIOS105: Fundamentals of Human Anatomy and Physiology – 4 credit hours
BIOS268: Pathopharmacology – 3 credit hours

Health Information Technology – 27 credit hours required

HIT111: Basic Medical Terminology – 3 credit hours
HIT120: Introduction to Health Services and Information Systems – 4 credit hours
HIT141: Health Information Processes with Lab – 4 credit hours
HIT203: International Classification of Diseases Coding I with Lab – 3 credit hours
HIT205: International Classification of Diseases Coding II with Lab – 3 credit hours
HIT211: Current Procedural Terminology Coding with Lab – 4 credit hours
HIT230: Health Insurance and Reimbursement – 3 credit hours
HIT253: Coding Practicum and Review – 3 credit hours

[1] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[2] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

Medical Billing & Coding Program – Health Information Coding

Program Details

- **Credential:** Undergraduate Certificate in Medical Billing and Coding – Health Information Coding
- **Total semesters:** 3, assuming enrollment in 11-17 credit hours per semester
- **Minimum credit hours required for completion:** 42
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 1 year, 4 months, assuming enrollment in 2 semesters per 12-month period[3]
  - **Minimum time to complete:** 12 months, assuming continuous year-round enrollment (3 semesters per 12-month period)[4]

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

Program Outline

Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title 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. Visit the Course Descriptions section for additional information.

Additional program-related information and notes are found after the program outline.

Natural Sciences – 7 credit hours required

BIOS105: Fundamentals of Human Anatomy and Physiology – 4 credit hours
BIOS268: Pathopharmacology – 3 credit hours

Health Information Technology – 35 credit hours required

HIT111: Basic Medical Terminology – 3 credit hours
HIT120: Introduction to Health Services and Information Systems – 4 credit hours
HIT141: Health Information Processes with Lab – 4 credit hours
HIT203: International Classification of Diseases Coding I with Lab – 3 credit hours
HIT205: International Classification of Diseases Coding II with Lab – 3 credit hours
HIT211: Current Procedural Terminology Coding with Lab – 4 credit hours
HIT213: Current Procedure Terminology Coding II with Lab – 3 credit hours
HIT220: Legal and Regulatory Issues in Health Information – 2 credit hours
HIT230: Health Insurance and Reimbursement – 3 credit hours
HIT260: Coding Practicum with Lab – 3 credit hours
HIT262: CCS Review – 3 credit hours

[3] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[4] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

Notes
Visit the General Notes section for additional information.

Employment positions determined to be in field for graduates of the Undergraduate Certificate programs in Medical Billing and Coding, and Medical Billing and Coding – Health Information Coding, include Medical Records Specialists (29-2072.00); Health Information Technologists and Medical Registrars (29-9021.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

Multimedia Design & Development Bachelor's Degree Program

Note: This program is no longer accepting new applicants.

DeVry's Multimedia Design & Development program prepares graduates to create and distribute web-enabled and other digital media. Industry-standard and innovative new software is used to create application projects. The program offers tracks as shown in the following program outline. Coursework addressing multimedia standards, the graphics business and emerging technologies provides a foundation for the tracks.

Students who have not chosen an area of specialization may begin the program in "Undeclared" status; however, they must select a track by the time they have earned 60 semester-credit hours toward their degree.

Program 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
- **Total semesters:** 8 full time, assuming enrollment in 11-19 credit hours per semester; enrollment in additional credit hours may be needed in some semesters
- **Minimum credit hours required for graduation:** 122
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 4 years, assuming enrollment in 2 semesters per 12-month period[1]
  - **Minimum time to complete:** 2 years, 8 months, assuming continuous year-round enrollment (3 semesters per 12-month period)[2]

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

[1] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[2] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

Program Outline
Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Additional program-related information and notes are found after the program outline.

Communication Skills – 15[3] credit hours required

ENGL112[4]: Composition – 4 credit hours
ENGL135: Advanced Composition – 4 credit hours
ENGL216: Technical Writing – 4 credit hours
SPCH275: Public Speaking – 3 credit hours

Humanities – 9 credit hours required

ETHC445: Principles of Ethics – 3 credit hours
HUMN303: Introduction to the Humanities – 3 credit hours
LAS432: Technology, Society, and Culture – 3 credit hours

Social Sciences – 9 credit hours required

ECON312[5]: Principles of Economics – 3 credit hours
SOCS185: Culture and Society – 3 credit hours
SOCS325: Environmental Sociology – 3 credit hours

Mathematics and Natural Sciences – 12[6] credit hours required

MATH114: Algebra for College Students – 4 credit hours
MATH221: Statistics for Decision-Making – 4 credit hours
SCI228: Nutrition, Health and Wellness with Lab – 4 credit hours

Personal and Professional Development – 5 credit hours required

CARD405: Career Development – 2 credit hours
COLL148: Critical Thinking and Problem-Solving – 3 credit hours

Business and Computing – 5 credit hours required

BUSN115: Introduction to Business and Technology – 3 credit hours
COMP100: Computer Applications for Business with Lab – 2 credit hours

Multimedia Core – 38 credit hours required

CIS363B: Web Interface Design with Lab – 4 credit hours
CIS407A: Web Application Development with Lab – 4 credit hours
SBE310: Small Business Management and Entrepreneurship – 4 credit hours
WGD201: Visual Design Fundamentals – 3 credit hours

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[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 Nevada location must take POLI332 in lieu of this requirement.
[6] 11 for students enrolled at a New Jersey location.

WGD205: Advanced Design and Rapid Visualization – 4 credit hours
WGD210: Digital Imaging Fundamentals – 4 credit hours
WGD229: Information Design – 4 credit hours
WGD235: Web Animation – 4 credit hours
WGD242: Advanced Web Design – 4 credit hours
WGD251: Responsive Web Design – 3 credit hours

Career Preparation – 10 credit hours required

MGMT404: Project Management – 4 credit hours
MGMT408: Management of Technology Resources – 3 credit hours
TECH460: Senior Project – 3 credit hours

Track – one track selected – 20 credit hours required

- **Graphic and Multimedia Design – 20 credit hours required**
  SBE330: Creativity, Innovation and New Product Development – 4 credit hours
  WBG310: Interactive Web Page Scripting with Lab – 4 credit hours
  WBG370: Game Development with Lab – 4 credit hours
  WBG410: Dynamic Website Development and Database Integration with Lab – 4 credit hours
  WEB460: Advanced Web Application Development with Lab – 4 credit hours

- **Web Design and Development – 20 credit hours required**
  CEIS236: Database Systems and Programing Fundamentals – 4 credit hours
  SBE330: Creativity, Innovation and New Product Development – 4 credit hours
  WBG310: Interactive Web Page Scripting with Lab – 4 credit hours
  WBG410: Dynamic Website Development and Database Integration with Lab – 4 credit hours
  WEB460: Advanced Web Application Development with Lab – 4 credit hours

Notes
Visit the General Notes section for additional information.

Students enrolled at a New Jersey location must take an additional six semester-credit hours of general education coursework within these course areas: Communication Skills, Humanities,

Social Sciences, and Mathematics and Natural Sciences. Humanities and Social Sciences courses selected should be upper-division coursework (DeVry courses numbered 300-499).

Employment positions determined to be in field for graduates of the Bachelor of Science in Multimedia Design and Development degree program include Multimedia Artists and Animators (27-1014.00); Graphic Designers (27-1024.00). These positions are used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

Network & Communications Management Bachelor's Degree Program

Note: This program is no longer accepting new applicants.

To address the need for professionals who can harness technology to advance business goals, DeVry's Network & Communications Management program (current program version known as Cybersecurity & Networking) 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.

TECH CORE – The Internet of Things Experience
This program features a sequence of Tech Core courses to help build a set of interdisciplinary skills for today's fast changing digital world. These courses teach principles used throughout the Internet of Things (IoT) ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security. Tech Core curriculum includes course instruction providing a practical, hands-on experience with IoT, cloud, software and security technologies and systems.

Program 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)
- **Total semesters:** 8 full time, assuming enrollment in 12-21 credit hours per semester; enrollment in additional credit hours may be needed in some semesters
- **Minimum credit hours required for graduation:** 124[1]
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 4 years, assuming enrollment in 2 semesters per 12-month period[2]
  - **Minimum time to complete:** 2 years, 8 months, assuming continuous year-round enrollment (3 semesters per 12-month period)[3]

[1] 128 for students enrolled at a New Jersey location.
[2] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[3] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

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

Program Outline
Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Additional program-related information and notes are found after the program outline.

Communication Skills – 15[4] credit hours required

ENGL112[5]: Composition – 4 credit hours
ENGL135: Advanced Composition – 4 credit hours
ENGL216: Technical Writing – 4 credit hours
SPCH275: Public Speaking – 3 credit hours

Humanities[6] – 6 credit hours required

ETHC232: Ethical and Legal Issues in the Professions – 3 credit hours
LAS432: Technology, Society, and Culture – 3 credit hours

Social Sciences – 9 credit hours required

ECON312[7]: Principles of Economics – 3 credit hours
SOCS185: Culture and Society – 3 credit hours
SOCS325: Environmental Sociology – 3 credit hours

Mathematics and Natural Sciences – 12[8] credit hours required

MATH114: Algebra for College Students – 4 credit hours
MATH221: Statistics for Decision-Making – 4 credit hours
TECH204: Everyday Physics – 4 credit hours

Personal and Professional Development – 5 credit hours required

CARD405: Career Development – 2 credit hours
COLL148: Critical Thinking and Problem-Solving – 3 credit hours

Business – 7 credit hours required

ACCT212: Financial Accounting – 4 credit hours
MGMT408: Management of Technology Resources – 3 credit hours

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

Tech Core – 21 credit hours required

CEIS101: Introduction to Technology and Information Systems – 2 credit hours
CEIS106: Introduction to Operating Systems – 4 credit hours
CEIS110: Introduction to Programming – 3 credit hours
CEIS114: Introduction to Digital Devices – 3 credit hours
NETW191: Fundamentals of Information Technology and Networking – 3 credit hours
NETW212: Introduction to Cloud Computing – 3 credit hours
SEC285: Fundamentals of Information System Security – 3 credit hours

Information Systems and Programming – 7 credit hours required

CEIS236: Database Systems and Programming Fundamentals – 4 credit hours
CEIS312: Introduction to Artificial Intelligence and Machine Learning – 3 credit hours

Information Technology and Networking – 34 credit hours required

NETW260: Intermediate Information Technology & Networking I – 3 credit hours
NETW270: Intermediate Information Technology & Networking II – 3 credit hours
NETW310: Wired, Optical and Wireless Communications with Lab – 3 credit hours
NETW411: Information Security and Mobile Devices – 4 credit hours
PROJ420: Project Risk Management – 4 credit hours
SEC290: Fundamentals of Infrastructure Security – 3 credit hours
SEC305: Cybersecurity and Data Privacy – 4 credit hours
SEC322: Penetration Testing – 3 credit hours
SEC450: Advanced Network Security with Lab – 3 credit hours
WEB375: Web Architecture with Lab – 4 credit hours

Career Preparation[9] – 8 credit hours required

CEIS499[10]: Preparation for the Profession – 1 credit hour
MGMT404: Project Management – 4 credit hours
TECH460: Senior Project – 3 credit hours

Notes
Visit the General Notes section for additional information.

Students enrolled at a New Jersey location must take an additional six semester-credit hours of general education coursework within these course areas: Communication Skills, Humanities, Social Sciences, and Mathematics and Natural Sciences. Humanities and Social Sciences courses selected should be upper-division coursework (DeVry courses numbered 300-499).

Employment positions determined to be in field 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 (15-1231.00). This position is used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

[9] Students enrolled at a New Jersey location must take CEIS299 as part of this requirement.
[10] Students who complete CARD415 instead of CARD405 apply CARD415 to fulfill this requirement.

Network Systems Administration Associate Degree Program

Note: This program is no longer accepting new applicants.

DeVry's Network Systems Administration program (current program version known as Cybersecurity & Networking) provides students with a background in network systems administration as applied to practical business situations. The program addresses installing, configuring, securing and administering network systems comprising users, shared resources and network elements, such as routers, in local and Internet-based environments.

TECH CORE – The Internet of Things Experience
This program features a sequence of Tech Core courses to help build a set of interdisciplinary skills for today's fast changing digital world. These courses teach principles used throughout the Internet of Things (IoT) ecosystem and integrate the essential elements of digital devices, connectivity, operating systems, programming and security.

Tech Core curriculum includes course instruction providing a practical, hands-on experience with IoT, cloud, software and security technologies and systems.

Program 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, Associate in Applied Science in Network Systems Administration)
- **Total semesters:** 5 full time, assuming enrollment in 12-16 credit hours per semester; enrollment in additional credit hours may be needed in some semesters
- **Minimum credit hours required for graduation:** 67[1]
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 2 years, 4 months, assuming enrollment in 2 semesters per 12-month period[2]
  - **Minimum time to complete:** 1 year, 8 months, assuming continuous year-round enrollment (3 semesters per 12-month period)[3]

[1] 65 for students enrolled at a New Jersey location.
[2] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[3] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

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

Program Outline
Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title and credit hours. Students interested in alternate course options should contact a student support advisor to determine whether alternates are offered for any course listed below. Visit the Course Descriptions section for additional information.

Additional program-related information and notes are found after the program outline.

Communication Skills – 11[4] credit hours required

ENGL112[5]: Composition – 4 credit hours
ENGL135: Advanced Composition – 4 credit hours
SPCH275: Public Speaking – 3 credit hours

Humanities – 3 credit hours required

ETHC232: Ethical and Legal Issues in the Professions – 3 credit hours

Social Sciences – 3 credit hours required

SOCS185[6]: Culture and Society – 3 credit hours

Mathematics and Natural Sciences – 8 credit hours required

MATH114: Algebra for College Students – 4 credit hours
TECH204: Everyday Physics – 4 credit hours

Personal and Professional Development – 5 credit hours required

CARD205: Career Development – 2 credit hours
COLL148: Critical Thinking and Problem-Solving – 3 credit hours

Tech Core – 21 credit hours required

CEIS101: Introduction to Technology and Information Systems – 2 credit hours
CEIS106: Introduction to Operating Systems – 4 credit hours
CEIS110: Introduction to Programming – 3 credit hours
CEIS114: Introduction to Digital Devices – 3 credit hours
NETW191: Fundamentals of Information Technology and Networking – 3 credit hours
NETW212: Introduction to Cloud Computing – 3 credit hours
SEC285: Fundamentals of Information System Security – 3 credit hours

Information Technology and Networking – 16 credit hours required

NETW260: Intermediate Information Technology & Networking I – 3 credit hours
NETW270: Intermediate Information Technology & Networking II – 3 credit hours

[4] 10 for students enrolled at a New Jersey location.
[5] Students enrolled at a New Jersey location take ENGL108 in lieu of this course.
[6] Students enrolled at a Nevada location must take POLI332 in lieu of this requirement.

NETW310: Wired Optical and Wireless Communication with Lab – 3 credit hours
SEC290: Fundamentals of Infrastructure Security – 3 credit hours
SEC305: Cybersecurity and Data Privacy – 4 credit hours

Career Preparation – 1 credit hour required

CEIS298: Introduction to Technical Project Management – 1 credit hour

Notes
Visit the General Notes section for additional information.

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, and Mathematics and Natural Sciences.

Employment positions determined to be in field for graduates of the Associate of Applied Science in Network Systems Administration (in Florida, Associate of Science in Network Systems Administration; in New York, Associate in Applied Science in Network Systems Administration) degree program include Computer Network Support Specialists (15-1231.00). This position is used to calculate graduate employment rates required by the state of California and to meet regulation requirements of other state authorization agencies. Learn more by searching career titles or SOC numbers above at the Occupational Information Network website.

Technical Management – Health Information Management Specialty Bachelor's Degree Program

Note: The version of this program below is no longer accepting new applicants. This version applies to students whose initial enrollment was the January 2024 session or prior.

DeVry's bachelor's degree completion program in Technical Management is designed to prepare students to meet the challenges of a high-tech, global marketplace. Coursework helps students learn management skills needed to work in many business areas and industries, such as accounting, project management and information technology. Additionally, through experiential projects, students can develop the business acumen needed in today's business world.

The Health Information Management (HIM) specialty is designed for students who wish to develop a solid business foundation for the workplace. This specialization further focuses studies by helping students become familiar with information systems and health policy in support of careers in healthcare settings.

Note: To complete their program, students in the HIM specialty must meet requirements outlined in the Healthcare Practicum and Clinical Coursework Requirements section and in the Healthcare Site Requirements and General Information section.

Note: Those who have earned a Medical Billing & Coding or Medical Billing & Coding – Health Information Coding undergraduate certificate, or an associate degree in Health Information Technology, through DeVry can apply eligible coursework in these programs toward the University's bachelor's degree in Technical Management. Students should note that future programmatic changes could impact application of credit to a future program. Contact a student support advisor for more information.

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

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

- Apply comprehensive research using appropriate technologies to solve business problems in the global workforce.
- 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.

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)
- **Total semesters:** 8 full time, assuming enrollment in 12-19 credit hours per semester; enrollment in additional credit hours may be needed in some semesters
- **Minimum credit hours required for graduation:** 122
- **Program completion time schedules, expressed in calendar time:**
  - **Normal time to complete:** 4 years, assuming enrollment in 2 semesters per 12-month period[1]
  - **Minimum time to complete:** 2 years, 8 months, assuming continuous year-round enrollment (3 semesters per 12-month period)[2]

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

Program Outline

Course areas are shown with required credit hours. Courses are shown by designator (e.g., COLL148), title 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. Visit the Course Descriptions section for additional information.

Additional program-related information and notes are found after the program outline.

Communication Skills – 8 credit hours required

ENGL112: Composition – 4 credit hours

ENGL135: Advanced Composition – 4 credit hours

Humanities – 6 credit hours required

ETHC445: Principles of Ethics – 3 credit hours

LAS432: Technology, Society, and Culture – 3 credit hours

Social Sciences – 6 credit hours required

ECON312: Principles of Economics – 3 credit hours

SOCS185: Culture and Society – 3 credit hours

Mathematics and Natural Sciences – 15 credit hours required

MATH114: Algebra for College Students – 4 credit hours

MATH221: Statistics for Decision-Making – 4 credit hours

BIOS105: Fundamentals of Human Anatomy and Physiology – 4 credit hours

BIOS268: Pathopharmacology – 3 credit hours

[1] Assumes students remain on a normal-time-to-complete schedule throughout their program.
[2] Assumes students remain on a minimum-time-to-complete schedule throughout their program.

Personal and Professional Development – 5 credit hours required

CARD405: Career Development – 2 credit hours
COLL148: Critical Thinking and Problem-Solving – 3 credit hours

Business Core – 12 credit hours required

BUSN115: Introduction to Business and Technology – 3 credit hours
COMP100: Computer Applications for Business with Lab – 2 credit hours
MGMT303: Principles of Management – 3 credit hours
One of:
ACCT207: Fundamentals of Accounting – 4 credit hours
ACCT212: Financial Accounting – 4 credit hours

Management – 8 credit hours required

BUSN412: Business Policy – 4 credit hours
MGMT404: Project Management – 4 credit hours

Senior Project – 3 credit hours required

BUSN460: Senior Project – 3 credit hours

Health Information Technology – 31 credit hours required

HIT111: Basic Medical Terminology – 3 credit hours
HIT120: Introduction to Health Services and Information Systems – 4 credit hours
HIT141: Health Information Processes with Lab – 4 credit hours
HIT170: Health Information Fundamentals Practicum – 2 credit hours
HIT203: International Classification of Diseases Coding I with Lab – 3 credit hours
HIT205: International Classification of Diseases Coding II with Lab – 3 credit hours
HIT211: Current Procedural Terminology Coding with Lab – 4 credit hours
HIT220: Legal and Regulatory Issues in Health Information – 2 credit hours
HIT226: Data Applications and Healthcare Quality with Lab – 3 credit hours
HIT230: Health Insurance and Reimbursement – 3 credit hours

Health Information Management Specialty – 28 credit hours required

HIM335: Health Information Systems and Networks with Lab – 3 credit hours
HIM355: Advanced Classification Systems and Management with Lab – 3 credit hours
HIM375: Healthcare Data Security and Privacy – 4 credit hours
HIM410: Health Information Financial Management – 3 credit hours
HIM420: Healthcare Total Quality Management – 4 credit hours
HIM435: Management of Health Information Functions and Services – 4 credit hours
HIM460: Health Information Management Practicum – 3 credit hours
MATH325: Healthcare Statistics and Research – 4 credit hours

Notes
Visit the General Notes section for additional information.

Credits and degrees earned from DeVry do not automatically qualify the holder to participate in professional licensing exams required to practice certain professions. Persons interested in

practicing a regulated profession must contact the appropriate state regulatory agency for their field of interest.

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

Course Descriptions

Within this section are descriptions of courses. To learn which courses apply to the chosen curriculum, visit the Colleges & Programs of Study section. Course descriptions are presented alphabetically, by course designator. Alpha designators indicate the discipline of the course (e.g., MATH for mathematics). An explanation of numeric designators is found in the Course Levels section.

Notes:

- Course descriptions shown are typical; however, specific content and sequencing may vary.
- Courses marked with an asterisk (*) require successful completion of required math and composition 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 online and blended/hybrid modalities.
- Courses marked with a plus sign (+) are available as honors courses (restrictions apply).
- 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.

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Course Designator and Number	Course Title	Course Description	Prerequisite	Credit Hours
Accounting				
ACCT207	Fundamentals of Accounting*	This course introduces financial accounting principles through coursework examining financial statements and rules that dictate their construction. Through real-world business examples, students explore key accounting topics including receivables, inventory, plant assets, liabilities, internal controls, ethics and regulation. Students also evaluate the profitability, liquidity and solvency of a business through financial statement analysis.	None	4
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 corequisite: COMP100 or MATH114	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

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Course Designator and Number	Course Title	Course Description	Prerequisite	Credit Hours
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
ACCT335	Analytics for Accounting	This course introduces analytics tools and techniques commonly used in financial accounting, managerial accounting, auditing and taxation. Current approaches to gathering, managing and presenting business/accounting data are explored. Coursework is designed to help students develop basic skills using various tools to analyze data, demonstrate informed data-driven decisions and communicate results to key stakeholders.	ACCT303 or ACCT304	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
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

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Course Designator and Number	Course Title	Course Description	Prerequisite	Credit Hours
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

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Course Designator and Number	Course Title	Course Description	Prerequisite	Credit Hours
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
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.	ACCT306	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 or ACCT446, and enrollment in the BSAC program	3

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Course Designator and Number	Course Title	Course Description	Prerequisite	Credit Hours
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.	BIS155 and BUSN115; or CEIS110; or MATH221	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.	BIAM110 or BIS245 or CEIS236; and MATH221 or TECH221	4
BIAM320	Analytics in the Business Environment	This course evaluates the role of analytics in today's business world. Students explore the need for business analytics in specific industries and how to generate, analyze and leverage data to improve business efficiency. Coursework addresses descriptive, diagnostic, predictive and prescriptive analytics, as well as identifying and applying appropriate business analytics methods. Careers in the business analytics field are also examined.	BIAM110	3
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.	BIAM110 or BIS245 or CEIS236	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

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Course Designator and Number	Course Title	Course Description	Prerequisite	Credit Hours
BIAM430	Introduction to Visualization and Predictive Analytics	This course explores the intersection of predictive analytics and data visualization as a driver of effective business decisions. Students assess how to use past and current market and industry trends to predict company growth and performance. They also explore using data visualization techniques to interpret and communicate analytical findings. Topics include designing, creating and telling stories; understanding data types; and identifying possible applications of predictive analytics.	BIAM110 and BIAM300	4
Biosciences				
BIOS105	Fundamentals of Human Anatomy and Physiology^	This course provides a “road map” perspective of human body structure and function. Topics include cell structure and function, and a survey of all major systems of the human body. The connections and inter-working relationships among systems are introduced. Students who receive credit for this course may not also receive credit for BIOS106.	None	4
BIOS106	Fundamentals of Human Anatomy and Physiology^	This course provides a “road map” perspective of human body structure and function. Topics include cell structure and function, and a survey of all major systems of the human body. The connections and inter-working relationships among systems are introduced. Students who receive credit for this course may not also receive credit for BIOS105.	None	4
BIOS266	Pathopharma-cology	This course combines the study of common human diseases and corresponding drug therapies used in their treatment. Students explore fundamental concepts of the disease process, while also integrating basic pharmacology concepts and drug therapies associated with treating common pathologies in the context of a given organ system. Emphasized are disease etiology, signs and symptoms, diagnostic measures, dosage, actions, administration routes and characteristics of typical drug treatment modalities. Students who receive credit for this course may not also receive credit for BIOS268.	BIOS106	3
BIOS268	Pathopharma-cology	This course combines the study of common human diseases and corresponding drug therapies used in their treatment. Students explore fundamental concepts of the disease process, while also integrating basic pharmacology concepts and drug therapies associated with treating common pathologies in the context of a given organ system. Emphasized are disease etiology, signs and symptoms, diagnostic measures, dosage, actions, administration routes and other characteristics of typical drug treatment modalities. Students who receive credit for this course may not also receive credit for BIOS266.	BIOS105	3

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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.	BIOS105 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.	BIOS105 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.	BIOS105 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; and MATH062 or MATH114	3

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Course Designator and Number	Course Title	Course Description	Prerequisite	Credit Hours
BIS245	Database Essentials for Business with Lab*^	This course introduces fundamentals of structured query language (SQL), the standard language for managing and querying relational databases. Topics include concepts such as creating, retrieving, updating and deleting data from databases using a database application. Coursework also addresses using SQL to create and manage databases and tables, apply conditions and filters, aggregate data and establish relationships between tables using JOINs. Constructing basic SQL queries that effectively interact with databases for data manipulation and retrieval tasks in a business environment is emphasized.	BIS155	4
BIS275	Advanced Excel	The course focuses on advanced spreadsheet concepts, using data based on real-world business scenarios. Students build on basic spreadsheet skills and apply advanced Excel features and knowledge. Topics include macros, advanced functions, and business intelligence and data analytics tools.	BIS155	4
BIS310	Compliance and 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
Business **Note: Required transitional studies coursework may affect program length and cost.**				
BUSN062	Introduction to Business Communication	This transitional studies course is designed to enhance students' reading and writing skills to prepare them for success in their program of study. Coursework focuses on improving students' ability to communicate effectively in professional settings through exposure to common workplace communication methods such as emails, memos and reports. Coursework addresses grammar skills and also focuses on process-based activities designed to develop pre-reading, reading and responding skills, as well as pre-writing, writing and revising skills that promote critical thinking.	Eligibility to enroll in the course is based on placement results.	4
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

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Course Designator and Number	Course Title	Course Description	Prerequisite	Credit Hours
BUSN160	Introduction to Sales and Business Development	This course examines theories and practices of effective selling, including listening to customers and understanding their needs; developing product and market knowledge; understanding the competition; and developing effective communication skills. Also addressed are the seven-step sales process, and the importance of bridging the trust gap between salespeople and customers in order to meet customer needs and develop long-term relationships and customer loyalty.	None	4
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.	None	4
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.	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
BUSN340	Introduction to Risk Analysis	This course examines the process of identifying and evaluating how potential issues may negatively impact business outcomes. Through case studies, students perform risk analyses, including assessing the qualitative and quantitative impact of potential risks. Identifying and analyzing risk types and risk-mitigation strategies are also covered. Topics include risk analysis tools, communication of risk, risk avoidance and recovering from risk.	MGMT303	4

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Course Designator and Number	Course Title	Course Description	Prerequisite	Credit Hours
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.	None	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.	MGMT303	4
BUSN460	Senior Project^*	In this capstone course, students apply previously developed business knowledge and skills, including problem-solving, critical thinking and communication skills, to create a business plan that meets the needs of potential customers. Coursework highlights research strategies and collaboration. This course must be taken at DeVry.	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 25 semester-credit hours	2

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Course Designator and Number	Course Title	Course Description	Prerequisite	Credit Hours
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
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.	SEC285 or SEC305	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

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Course Designator and Number	Course Title	Course Description	Prerequisite	Credit Hours
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 it is required.	BUSN062 and MATH062; or the equivalents	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 it is required.	BUSN062 and MATH062; or the equivalents	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 or CEIS101C; and BUSN062 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 or CEIS101C; and BUSN062 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 or CEIS101C; and BUSN062 and MATH062, or the equivalents	3
CEIS150	Programming 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

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Course Designator and Number	Course Title	Course Description	Prerequisite	Credit Hours
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
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
CEIS297	Technology Career Foundations	This course reviews and reinforces basic entry-level knowledge and skills needed for a variety of digital technology-based fields. Industry topics covered are applications of basic computing; networking and connectivity; operating systems; coding; programming; security; and data storage and retrieval. Students take practice exams to prepare for the CompTIA IT Fundamentals Plus certification exam. This course is graded on a Satisfactory/Unsatisfactory basis.	Corequisite: CEIS150 or NETW212 or NETW270	1
CEIS298	Introduction to Technical Project Management*^	This course presents basic project management concepts and focuses on managing less complex, smaller and/or routine projects often led by those in technical career positions. Essential project management concepts across various project management methodologies and frameworks are explored.	Corequisite: CEIS150 or ECT226, or NETW212 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.	TECH204	3

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Course Designator and Number	Course Title	Course Description	Prerequisite	Credit Hours
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 prototypes. 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 or TECH221	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.	CEIS110, and MATH221 or TECH221	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

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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
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 or TECH221	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.	CEIS298 or CEIS299, and corequisite: CEIS400 or CEIS490 or NETW450 or NETW451 or SEC322 or TECH460 or WEB375	1
Computer Information Systems				
CIS303	Data Visualization and Presentation	This course introduces manipulation, visualization and presentation of data using modern data tools such as Tableau and Power BI. Data connection, sourcing and analysis are applied, with a focus on visualization. Creating and refining data reports and dashboards are also covered.	MATH221 or TECH221	3
CIS306	AI, Machine Learning and Data Science	This course examines applied artificial intelligence, machine learning and predictive analytic tools. Data analysis, methods and modeling are covered, as are deep learning and cognitive computing. Text mining and sentiment analysis are also introduced.	MATH221 or TECH221	3
CIS309	AI and Machine Learning Service Platforms	This course examines using artificial intelligence and machine learning as tools for service-based platforms. AWS application building, Amazon Lex and SageMaker are presented.	CEIS110, and MATH221 or TECH221	3

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CIS313	AI-Driven Business Application Coding	This course introduces principles of artificial intelligence (AI) as well as machine learning algorithms and tools. Students apply AI and machine learning to design and implement a business solution or environment. Coursework also addresses ethics considerations and responsible practices in AI coding.	CEIS150; and MATH221 or TECH221	3
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.	CIS363B	4
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

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Course Designator and Number	Course Title	Course Description	Prerequisite	Credit Hours
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

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Course Designator and Number	Course Title	Course Description	Prerequisite	Credit Hours
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
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
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.	ENGL108 or ENGL112; and MATH114 or MATH116	3

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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
ECT308	Introduction to Computer-Aided Design	This course is designed to help students develop computer-assisted design and modelling skills that can be applied in diverse technology fields including biomedical, mechanical, electrical and electronic design. Students leverage computer-aided design software to facilitate design generation. Benefits and methods of iterative and rapid prototyping are covered.	CEIS114 and MATH114	3
ECT313	Generative Design	This course introduces artificial intelligence (AI) technologies applied to computer-aided design. Students explore how AI can augment the design and problem-solving processes; automate tedious and repetitive work; and analyze project data to offer predictive insights.	ECT308	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
ECT320	Manufacturing Processes and Systems	This course covers a wide range of manufacturing concepts, including production methods, workflows, logistics, ergonomics, safety, processes, automation and environments.	ECT286	3
ECT325	Electromechan-ical Systems	This course presents a variety of integrated technologies and systems involving electronics, fluid power/flow, mechanical systems and computing devices. Fundamentals of robotics, motors, drives, sensors, actuators and hydraulic systems are covered.	ECT286	3

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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 TECH204	4
English Composition				
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 BUSN062.	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 BUSN062.	4
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	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	4

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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
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

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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
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

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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				
HIM325	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 or HIT235 or HIT236; and MATH221	4
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 HIT235 or HIT236 or HSM310	3
HIM355	Advanced Classification Systems and Management with Lab*	This course explores advanced classification systems, vocabularies and nomenclatures, focusing on their application and management in healthcare organizations. Topics include implementing, managing and quality monitoring of coding applications and processes, as well as electronic tools used for clinical classification and coding. The course also examines the role of clinical data in healthcare reimbursement systems and emphasizes compliance and reporting requirements.	HIT230 or HIT235 or HIT236	3
HIM375	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 HIT235 or HIT236 or HSM310	4

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Course Designator and Number	Course Title	Course Description	Prerequisite	Credit Hours
HIM377	Cybersecurity and Data Privacy in Healthcare	This course explores foundational elements of data privacy and cybersecurity in healthcare, including the CIA triad (Confidentiality, Integrity and Availability), and their application in protecting health information. U.S. privacy requirements and regulations are examined, helping students gain experience in applying privacy laws to healthcare organizations and understand their impact. Coursework addresses identifying security issues, performing risk assessments, developing policies to safeguard data, and creating contingency plans for cyber incidents to effectively manage and respond to potential threats in healthcare settings. Students who receive credit for this course may not also receive credit for HIM378.	HIT230 or HIT235 or HIT236 or HSM310	4
HIM378	Cybersecurity and Data Privacy in Healthcare	This course explores foundational elements of data privacy and cybersecurity in healthcare, including the CIA triad (Confidentiality, Integrity and Availability), and their application in protecting health information. U.S. privacy requirements and regulations are examined, helping students gain experience in applying privacy laws to healthcare organizations and understand their impact. Coursework addresses identifying security issues, performing risk assessments, developing policies to safeguard data, and creating contingency plans for cyber incidents to effectively manage and respond to potential threats in healthcare settings. Students who receive credit for this course may not also receive credit for HIM377.	HIT230 or HIT235 or HIT236 or HSM310	4
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.	HIT230 or HIT235 or HIT236 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.	HIT125 or HIT126 or HIT141 or HSM310	4
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 or HIT235 or HIT236	4

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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. To prepare for the Registered Health Information Administrator (RHIA) certification exam, students complete weekly domain exams and a final RHIA mock exam.	Completion of, or current enrollment in, all courses required for the Health Information Management specialty within the Technical Management bachelor's degree program and permission from the appropriate academic administrator	3
HIM461	Health Information Management Practicum	This course explores managerial aspects of health information management and provides students 40 hours of supervised experiential learning in a health information department or related organization. Throughout the course, students apply concepts and skills in areas including data and information governance; revenue cycle management; health information technologies; legal and ethics considerations; healthcare statistics and research; disease classification and treatment; leadership and management principles; health information analysis and protection; and healthcare quality improvement.	Completion of, or current enrollment in, all courses required for the Health Information Management specialty within the Technical Management bachelor's degree program, and permission from the appropriate academic administrator	3
HIM465	Registered Health Information Administrator Exam Preparation	This course helps students gain knowledge and skills needed to successfully complete the Registered Health Information Administrator (RHIA) exam. Coursework addresses core competencies for effective health information management and administration, including data and information governance; revenue cycle management; health information technologies; legal and ethics considerations; healthcare statistics and research; disease classification and treatment; leadership and management principles; analyzing and protecting health information; and healthcare quality improvement. Practice exams, including an RHIA mock exam, and hands-on exercises help students gain understanding of RHIA exam content domains and develop test-taking strategies. The minimum requirement to pass this course is 70 percent. DeVry provides a voucher to pay the RHIA exam fee for students who pass this course with an 85 percent or higher. This course is graded on a Satisfactory/Unsatisfactory basis.	Completion of, or current enrollment in, all courses required for the Health Information Management specialty within the Technical Management bachelor's degree program, and permission from the appropriate academic administrator	3

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Course Designator and Number	Course Title	Course Description	Prerequisite	Credit Hours
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				
HIT101	Professional Skills for Healthcare	This course focuses on identifying, developing and applying skills needed for both academic and professional success. Topics include time management, study skills, goal setting, motivation, critical thinking, decision-making and problem-solving skills. Students explore interpersonal communication issues in the healthcare environment, including communication challenges, adapting to change and effective customer service. Coursework provides an opportunity for students to gain practical experience in written and oral communication, and in perception. Listening and nonverbal strategies are explored as well. Students who receive credit for this course may not also receive credit for HIT102.	None	3
HIT102	Professional Skills for Healthcare	This course focuses on identifying, developing and applying skills needed for both academic and professional success. Topics include time management, study skills, goal setting, motivation, critical thinking, decision-making and problem-solving skills. Students explore interpersonal communication issues in the healthcare environment, including communication challenges, adapting to change and effective customer service. Coursework provides an opportunity for students to gain practical experience in written and oral communication, and in perception. Listening and nonverbal strategies are explored as well. Students who receive credit for this course may not also receive credit for HIT101.	None	3
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. Students who receive credit for this course may not also receive credit for HIT112.	None	3

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Course Designator and Number	Course Title	Course Description	Prerequisite	Credit Hours
HIT112	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. Students who receive credit for this course may not also receive credit for HIT111.	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
HIT125	Electronic Health Records and Digital Health	This course provides an overview of the health information profession and associated functions. Concepts of digital health, health technologies and health information systems within a healthcare organization are explored. Policies, regulations and standards related to managing health information are also addressed. Students who receive credit for this course may not also receive credit for HIT126.	None	3
HIT126	Electronic Health Records and Digital Health	This course provides an overview of the health information profession and associated functions. Concepts of digital health, health technologies and health information systems within a healthcare organization are explored. Policies, regulations and standards related to managing health information are also addressed. Students who receive credit for this course may not also receive credit for HIT125.	None	3
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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Course Designator and Number	Course Title	Course Description	Prerequisite	Credit Hours
HIT175	Health Information Technology Applications	In the context of quality assessment, students explore use of information technologies for data search and access. Principles of clinical quality, utilization review and risk management are introduced, as are organizational approaches, and regulatory and accreditation implications of quality assessment activities. Methods, tools and procedures for analyzing data for variations and deficiencies are examined and used. In addition, research techniques and statistical methods are applied to transform data into effective information displays and reports to support a quality improvement program. Case studies and projects reinforce learning.	HIT111 and HIT125; or HIT112 and HIT126	3
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.	BIOS268	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
HIT206	CPT Coding with Application	This course introduces students to the principles of Current Procedural Terminology (CPT), which is used to code procedures and services performed by healthcare providers. Through practice exercises, students assign appropriate CPT codes and applicable modifiers as needed. Students who receive credit for this course may not also receive credit for HIT207.	BIOS105 and HIT111	3
HIT207	CPT Coding with Application	This course introduces students to the principles of Current Procedural Terminology (CPT), which is used to code procedures and services performed by healthcare providers. Through practice exercises, students assign appropriate CPT codes and applicable modifiers as needed. Students who receive credit for this course may not also receive credit for HIT206.	BIOS105 and HIT111; or BIOS106 and HIT112	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

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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
HIT214	ICD Coding I with Application	This course introduces the International Classification of Diseases 10th version Clinical Modification (ICD-10-CM) classification system. Principles and guidelines for using the ICD-10-CM to assign diagnosis codes are introduced. Emphasis is placed on students properly navigating the ICD-10-CM code book and following the correct steps to assign accurate diagnosis codes utilizing medical documentation. Students who receive credit for this course may not also receive credit for HIT221.	HIT206	3
HIT215	ICD Coding II with Application	This course, the second in a two-course sequence, addresses principles, guidelines, definitions and coding conventions of the International Classification of Diseases 10th version Procedural Coding System (ICD-10-PCS). Coursework is designed to help students gain experience needed to accurately decipher operative statements and build codes in ICD-10-PCS. Students who receive credit for this course may not also receive credit for HIT228.	HIT214	3
HIT216	Coding with Application	This course explores coding application techniques and guidelines in the outpatient setting using the Current Procedural Terminology (CPT), Healthcare Common Procedure Coding System (HCPCS) and International Classification of Diseases Clinical Modification (ICD-10-CM) code sets. Students also use coding theory to examine principles and application of coding systems. Using code books and software tools, students code outpatient case studies and medical reports.	HIT214	3
HIT217	Advanced Coding	This course explores advanced coding techniques and guidelines from the Current Procedural Terminology (CPT), International Classification of Diseases 10th version Clinical Modification (ICD-10-CM) and the International Classification of Diseases 10th version Procedural Coding System (ICD-10-PCS) code sets. Using code books and software tools, students code complex case studies and medical documentation.	HIT215	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

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Course Designator and Number	Course Title	Course Description	Prerequisite	Credit Hours
HIT221	ICD Coding I with Application	This course introduces the International Classification of Diseases 10th version Clinical Modification (ICD-10-CM) classification system. Principles and guidelines for using the ICD-10-CM to assign diagnosis codes are introduced. Emphasis is placed on students properly navigating the ICD-10-CM code book and following the correct steps to assign accurate diagnosis codes utilizing medical documentation. Students who receive credit for this course may not also receive credit for HIT214.	HIT206 or HIT207	3
HIT223	Medical Ethics, Compliance and Patient Privacy	This course examines legal and regulatory issues in healthcare, emphasizing their application in ethical practices, compliance and patient privacy. Students explore rights and responsibilities of providers, employees, payers and patients in a healthcare context. Legal terminology pertaining to civil liability, and to the judicial and legislative processes, are also explored. Laws and regulations addressing information release and records retention are examined, as are legal and regulatory issues surrounding information confidentiality. Students who receive credit for this course may not also receive credit for HIT224.	HIT125	3
HIT224	Medical Ethics, Compliance and Patient Privacy	This course examines legal and regulatory issues in healthcare, emphasizing their application in ethical practices, compliance and patient privacy. Students explore rights and responsibilities of providers, employees, payers and patients in a healthcare context. Legal terminology pertaining to civil liability, and to the judicial and legislative processes, are also explored. Laws and regulations addressing information release and records retention are examined, as are legal and regulatory issues surrounding information confidentiality. Students who receive credit for this course may not also receive credit for HIT223.	HIT125 or HIT126	3
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.	HIT141 and corequisite: HIT170	3
HIT227	Healthcare Quality and Data Analytics	This course explores using health information to determine quality of care through data analytics. Methods, tools, technologies and procedures for analyzing data, and for designing, generating and assessing reports, are examined through course projects. Students apply research techniques and statistics methods to transform data to support a quality improvement program. Risk management, as well as regulatory and accreditation implications of quality assessment, are investigated. Students who receive credit for this course may not also receive credit for HIT229.	MATH221	3

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Course Designator and Number	Course Title	Course Description	Prerequisite	Credit Hours
HIT228	ICD Coding II with Application	This course, the second in a two-course sequence, addresses principles, guidelines, definitions and coding conventions of the International Classification of Diseases 10th version Procedural Coding System (ICD-10-PCS). Coursework is designed to help students gain experience needed to accurately decipher operative statements and build codes in ICD-10-PCS. Students who receive credit for this course may not also receive credit for HIT215.	HIT214 or HIT221	3
HIT229	Healthcare Quality and Data Analytics	This course explores using health information to determine quality of care through data analytics. Methods, tools, technologies and procedures for analyzing data, and for designing, generating and assessing reports, are examined through course projects. Students apply research techniques and statistics methods to transform data to support a quality improvement program. Risk management, as well as regulatory and accreditation implications of quality assessment, are investigated. Students who receive credit for this course may not also receive credit for HIT227.	MATH221	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.	HIT141 and corequisite: HIT203	3
HIT235	Health Insurance Billing and Reimbursement	Students in this course explore reimbursement and payment methodologies applicable to healthcare provided in various U.S. settings. Forms, processes, practices and the roles of health information professionals are examined. Concepts related to insurance products, third-party and prospective payment, and managed care organizations are explored. Issues of data exchange among patient, provider and insurer are analyzed in terms of organizational policy, regulatory issues and information technology operating systems. Chargemaster management and the importance of coding integrity are emphasized. Students who receive credit for this course may not also receive credit for HIT236.	HIT125	3
HIT236	Health Insurance Billing and Reimbursement	Students in this course explore reimbursement and payment methodologies applicable to healthcare provided in various U.S. settings. Forms, processes, practices and the roles of health information professionals are examined. Concepts related to insurance products, third-party and prospective payment, and managed care organizations are explored. Issues of data exchange among patient, provider and insurer are analyzed in terms of organizational policy, regulatory issues and information technology operating systems. Chargemaster management and the importance of coding integrity are emphasized. Students who receive credit for this course may not also receive credit for HIT235.	HIT125 or HIT126	3

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Course Designator and Number	Course Title	Course Description	Prerequisite	Credit Hours
HIT253	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. For DeVry to pay for the CCA exam, students must pass this course with an 85% or better. This course is graded on a Satisfactory/Unsatisfactory basis.	HIT205 and HIT211; and corequisite: HIT230	3
HIT254	Coding Practicum and Review	This course is designed to prepare students for the Certified Professional Coding (CPC) certification exam offered through AAPC. The course reinforces aptitude in CPT, ICD-10-CM and HCPCS code sets, as well as record abstraction, medical terminology, anatomy and physiology, coding and regulatory requirements, to include compliance and reimbursement. Included is a minimum of 20 hours of virtual practical experience in medical coding for various patient types and outpatient encounters. The minimum requirement to pass this course is 70 percent. For DeVry to pay for the CPC exam, students must pass this course with an 85% or better. This course is graded on a Satisfactory/Unsatisfactory basis.	Corequisite: HIT216	3
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 or corequisite HIT217; and HIT220 or HIT223; and HIT230 or HIT235	3
HIT262	CCS Review	This course is designed to prepare students for the Certified Coding Specialist (CCS) certification exam, which determines aptitude in all current competency domains of the exam, as determined by the American Health Information Management Association (AHIMA). The minimum requirement to pass this course is 70 percent. For DeVry to pay for the CCS exam, students must pass this course with an 85% or better. This course is graded on a Satisfactory/Unsatisfactory basis.	Corequisite: HIT260	3
HIT264	CCS Review	This course is designed to prepare students for the Certified Coding Specialist (CCS) certification exam offered through AHIMA. The course reinforces coding knowledge and skills, coding documentation, provider queries and regulatory compliance assessed on the CCS certification exam. Students practice analyzing and coding medical scenarios. The minimum requirement to pass this course is 70 percent. For DeVry to pay for the CCS exam, students must pass this course with an 85% or better. This course is graded on a Satisfactory/Unsatisfactory basis.	HIT260	3
HIT267	Healthcare Analytics and Practical Applications	This course introduces advanced analytics and the health informatics field. Coursework addresses conducting clinical and operational analyses to improve patient outcomes and decision-making. Students apply statistical techniques and interpret data analyses to make data-driven decisions. Artificial intelligence, big data, population health management and outcomes research are also introduced.	HIT227	3

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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 remaining 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
HIT277	Health Information Practicum Capstone	This course provides comprehensive supervised experiential learning (SEL) in a health information setting at an approved external site. The course and SEL are designed to enhance students' skills in areas such as data abstraction and analysis; record retention and release of information; data collection and interpretation; privacy and security; revenue cycle management; and advanced coding. Technology use, oral and written communication skills, critical thinking, professional development and leadership activities are emphasized. Note: Students must complete a minimum of 40 clock hours of SEL during traditional business hours.	Permission from the appropriate academic administrator upon completion of, or concurrent enrollment in, all remaining courses within the Health Information track of the Health Information Technology associate degree program, except HIT279; and corequisite: HIT279	3
HIT278	Career Success in Healthcare	Building on self-presentation and career-planning skills introduced earlier, students explore ongoing career development strategies. Through research, analysis and discussion of case studies; videos; role-plays; and contemporary healthcare literature, students identify principles and practices associated with professionalism in today's careers. Coursework is designed to help students identify potential career paths that suit personal strengths and aspirations, and gain greater awareness of themselves as communicators, problem-solvers and team players.	Successful completion of 48 semester-credit hours	3

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HIT279	RHIT Exam Preparation	This course is designed to prepare students for the Registered Health Information Technician (RHIT) certification exam, which assesses aptitude in six competency domains: data content, structure and information governance; access, disclosure, privacy and security; data analytics and use; revenue cycle management; compliance; and leadership. Students complete weekly domain exams and a final RHIT mock exam. The minimum requirement to pass this course is 70 percent. DeVry pays the RHIT exam fee for students who pass this course with an 85 percent or better. This course is graded on a Satisfactory/Unsatisfactory basis.	HIT235 or HIT236; and corequisite: HIT277	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

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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
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 MGMT210 or 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.	MGMT210 or 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.	MGMT210 or 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.	MGMT210 or MGMT410	4

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Health Services Management				
HSM210	Medical Office Administration	In the context of a digital healthcare setting, this course introduces students to the scope and practice of medical office operations, including appointment scheduling; customer assessment and intake questionnaires; telemedicine; and revenue cycle management. General internet security, and computer operations and software applications used in an office environment, are also introduced in preparation for a career in healthcare.	HIT125	4
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. Students who receive credit for this course may not also receive credit for HSM312.	BUSN115 or HSM210	4
HSM312	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. Students who receive credit for this course may not also receive credit for HSM310.	BUSN115 or HSM210	4
HSM320	Health Rights and Responsibilities*	This course examines legal and ethics issues in delivering medical services. Topics include legal relationships among providers, payers and patients. Also addressed are clinical and administrative issues of professional liability, which include public health responsibilities; medical records management; and HIPAA privacy, security and fraud. Ethics aspects of patient rights and duties are explored in a healthcare service delivery context.	HSM310	4
HSM330	Health Services Information Systems*	This course concentrates on the evolving field of health service information systems technology. Artificial Intelligence, blockchain, cybersecurity, cloud computing, and HIT are introduced in the context of health information. The course introduces students to the hardware and software options for managing patient data and health records, as well as the strategic benefits of evidence-based management and decision support.	COMP100 and HSM310; or HIT223 and HSM210	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. Students who receive credit for this course may not also receive credit for HSM342.	ACCT207 or ACCT212 or HIT235 or HIT236; and HSM310 or HSM312	4
HSM342	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. Students who receive credit for this course may not also receive credit for HSM340.	HIT236 or HSM210 or HSM310 or HSM312	4

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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. Students who receive credit for this course may not also receive credit for HSM412.	HSM310	4
HSM412	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. Students who receive credit for this course may not also receive credit for HSM410.	None	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.	HIT125 or 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
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 24 semester-credit hours and permission from the appropriate academic administrator	2

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Course Designator and Number	Course Title	Course Description	Prerequisite	Credit Hours
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 CRMJ300	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
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

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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
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 cyberspace, 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

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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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Leadership				
LEAD150	Leadership and Facilitating Change	This course examines critical thinking skills needed to develop leadership skills and facilitate change within professional communities. Students analyze various complex professional issues; use information literacy to source and leverage information; and communicate problem-solving techniques. Throughout the course, students reflect on their own value systems, communities and professional interests.	None	3
LEAD335	Cross-Cultural Leadership	This course examines cross-cultural leadership styles and behaviors needed to succeed in the global workforce. Students explore key theories of global leadership, strategies for supporting a diverse workforce and cultural competence. To help students develop leadership skills, coursework emphasizes communication and industry-based research skills.	BUSN115	4
LEAD430	Consulting and Problem-Solving	This course introduces key concepts related to consulting in a business environment. Through coursework grounded in real-world application, students explore how to support organizations' efforts to identify problems; prioritize work and initiatives; perform analyses; determine recommendations; and implement solutions. Using analytics to evaluate operational challenges and improve business outcomes is emphasized.	BUSN115	3
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 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.	Eligibility to enroll in the course is based on placement results or on successful completion of MATH062.	4

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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.	Eligibility to enroll in the course is based on placement results or on 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
MATH200	Quantitative Reasoning*	This course explores mathematical tools needed for calculating and interpreting data in order to make informed personal, social and civic decisions. Topics include use of numbers in everyday life to solve problems; application of logic and critical thinking; introductory statistics and probability; problem-solving with shapes; and decision-making in a group setting.	None	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 or TECH221, 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

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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
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
MGMT300	Customer Care and Relationship Management	This course introduces concepts related to customer relationship management. Students explore how to help organizations successfully implement strategies, practices and technologies for gaining and retaining customers. Coursework focuses on building enduring customer relationships, including overcoming challenges to ensure customers are satisfied and their needs are met.	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.	ENGL112	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

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MGMT404	Project Management^	This course introduces project management concepts such as project stakeholder engagement, project communications, project scope, project schedule, project risk management and project closure. Students participate in discussions and complete quizzes to gauge their understanding of topics presented.	None	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 or WGD210	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
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

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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
MKTG435	Marketing Research and Analytics	This course explores the roles of marketing research and analytics in supporting business decisions at all levels. The course presents a framework for identifying, managing and executing data-driven research to drive informed business decisions. Coursework focuses on using information from traditional and emerging sources through data visualization tools, and consumer and market feedback.	BUSN319	4
MKTG445	Brand Management	Students in this course explore the impact of branding on consumers, as well as trends influencing brand preference, purchase and loyalty. Coursework addresses consumers' personal and societal identity and explores the role brands play in meeting consumer needs. Students become familiar with how brands are managed through brand research, development and extension; and with brand equity and identity. They also examine opportunities, risks and realities of branding in today's marketplace.	BUSN319	4
MKTG455	Current Topics in Marketing	This course helps students build in-depth understanding of current marketing topics and trends. Coursework explores current social media and mobile communication tools and applications, as well as their use in business, marketing and digital strategy. Students examine the roles of, and relationship between, demographics and technology across various channels while exploring the impact emerging technologies can have in marketing and social responsibility and sustainability.	BUSN319	4

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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 or CEIS114	3
NETW212	Introduction to Cloud Computing	This course addresses essential knowledge and skills needed to make informed decisions about use of cloud technologies and business impacts they can have on an organization. Students leverage cloud computing knowledge to evaluate business use cases, financial impacts, cloud technologies and deployment models.	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.	NETW212	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 system. All major media are discussed including copper, coax cable, fiber optic cable, wireless and microwave media. Physical and virtual systems are analyzed, implemented, and secured.	NETW212	3
NETW314	Cloud Computing	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).	NETW212	3
NETW350	Cloud Services	This course focuses on Microsoft Azure cloud services and administration, including Azure workloads, security, privacy, pricing and support. Coursework examines implementation and management of Azure identity and governance, storage, compute resources, virtual networking and resource backup. In addition, learning domains of the Azure Fundamentals and Azure Administrator Associate certification exams are reviewed.	NETW314	3

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NETW351	Cloud Architecture	This course focuses on Amazon Web Services (AWS) architectures and solutions, including AWS common use cases, security, billing practices and support. Coursework examines design and implementation of resilient, high-performing, secure and cost-optimized architectures on AWS. In addition, learning domains of the AWS Certified Cloud Practitioner and AWS Certified Solutions Architect Associate exams are reviewed.	NETW314	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.	NETW212	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
NETW450	Cloud Development	This course focuses on developing and maintaining cloud applications on Microsoft Azure. Coursework introduces Azure Software Development Kits (SDKs), Application Programming Interfaces (APIs), container deployment, performance tuning and monitoring. Also examined is Azure compute, storage and security solutions implementation. In addition, learning domains of the Azure Developer Associate certification exam are reviewed.	NETW350	3
NETW451	Cloud Operations	This course focuses on deploying and operating cloud applications on Amazon Web Services (AWS). Coursework introduces AWS software development kits (SDKs), service Application Programming Interfaces (APIs), Continuous Integration and Continuous Delivery (CI/CD) pipeline, and code module debugging. Also covered in detail are support and maintenance of AWS workloads, including security controls; monitoring and logging; business continuity procedures; and incident remediation. In addition, learning domains of the AWS Certified Developer Associate and AWS Certified SysOps Administrator Associate exams are reviewed.	NETW351	3
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

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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*^	From a project perspective, this course focuses on leading and building teams, team performance and teams within organizations. Change management, conflict management and leading diverse teams are also addressed.	PROJ404	4
PROJ404	Project Management for the Profession	This course provides an overview of project management concepts, principles and domains. Students apply their project management knowledge to complete documents related to project stakeholders, project communications, project scope, project schedules, project budgets and project risks.	None	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.	PROJ404	4
PROJ415	Project Quality Management	This course covers concepts related to project quality management, emphasizing the benefit of incorporating process improvement and quality control tools and techniques into projects. Foundational theories and concepts related to quality management are also explored.	PROJ404	4
PROJ420	Project Risk Management*^	This course addresses project risk management planning, risk identification, risk analyses, risk response planning, risk response implementation and risk monitoring. Coursework is designed to help students apply project risk management concepts to develop a risk management plan. A case study assignment also provides a real-world scenario through which students identify and analyze potential risks.	PROJ404	4
PROJ425	Project Management Methodologies	This course examines and analyzes various methodologies used to manage projects, including the traditional – or waterfall – methodology and the agile methodology. Other process-based project management methodologies addressed are scrum and Kanban. Lean project management methodology and a hybrid approach to managing projects are also covered.	PROJ404	4

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PROJ431	Applied Project Management	This course is designed to advance students' knowledge and comprehension of project management (PM) concepts including predictive and adaptive methodologies, project performance domains, project risk and project closing. Drawing on PM knowledge from this and prior courses, students create an integrated project plan using a hybrid PM methodology and collaborate to complete a team assignment.	PROJ404 and two other PROJ courses	4
PROJ432	Certified Associate Project Management Exam Preparation	This course is designed to prepare students for the Certified Associate in Project Management (CAPM)® exam. Coursework addresses exam content related to project management fundamentals, plan-based methodologies, agile frameworks and business analysis frameworks. The course is offered through the Project Management Institute's Authorized Training Partner (ATP) program. CAPM is a registered mark of the Project Management Institute, Inc.	PROJ404 and two other PROJ courses	4
PROJ435	Project Management Technologies	This course surveys technology used in the project management (PM) field. Tools to improve project communications and collaboration, and to enhance real-time information sharing, such as cloud efficiency and mobile technology, are evaluated. Future technology-related challenges and solutions in the PM field are also explored.	PROJ404	4
PROJ440	Construction Project Management	This course introduces steps required to manage various types of construction projects through the project life cycle phases – feasibility, design, build, test, deploy and close. Topics include the roles of construction project stakeholders including construction project managers, owners, architects, engineers, contractors, project teams, suppliers and customers. Contract types, including fixed-price, cost-reimbursable, and time and materials, are explored.	PROJ404	4
PROJ445	IT Project Management	This course covers fundamentals of managing information technology (IT) projects using agile methods to help plan and execute IT projects and achieve goals. Topics include IT project management roles; adaptive/iterative elements of roadmaps; backlogs; flow-based scheduling and prioritizing; servant leadership; and self-managing project teams.	PROJ404	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.	None	3

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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 TECH215	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 TECH215	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 TECH215	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 or WGD210	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

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Course Designator and Number	Course Title	Course Description	Prerequisite	Credit Hours
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				
SCI226	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	3
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

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Course Designator and Number	Course Title	Course Description	Prerequisite	Credit Hours
SEC302	Data Administration and Security	This course covers basic data management practices and focuses on logistics associated with data administration and security. Coursework is designed to help students develop skills needed to successfully manage and secure data assets.	CEIS236	3
SEC305	Cybersecurity and Data Privacy*^	This course introduces essential concepts of cybersecurity, information security and data privacy. Coursework addresses responsibilities of various professions as related to information security and data privacy. Federal and state privacy laws; civil and criminal enforcement actions; general data protection regulations; and consumer rights and protection are explored.	BUSN115 or CEIS101 or CEIS101C or HIT230 or HIT235 or HSM310	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
SEC313	Applied AI for Cybersecurity	This course introduces use of artificial intelligence (AI) in cybersecurity to reinforce cyber threat intelligence to strengthen an organization's defenses. Also explored is use of AI to support email monitoring, fraud prevention, malware detection, algorithm review and network scanning. Strategies for implementing, evaluating and assessing AI-driven cyber support tools are presented.	SEC285; and MATH221 or TECH221	3
SEC322	Penetration Testing*^	This course explores penetration testing skills needed to assess vulnerabilities of in-house, cloud-centric and hybrid environments. Coursework is designed to develop students' ability to scan and analyze the state of organization, and to plan, scope and manage weaknesses.	SEC285	3
SEC335	Incident Response and Digital Forensics	Students in this course explore techniques for cyber incident investigation, digital evidence gathering and cybersecurity threat response. Coursework presents strategies for cybercrime investigation and for forensic analysis and incident response. The course prepares students for managing security incidents, as well as for defending and responding to attacks.	SEC311 or SEC322	4
SEC340	Business Continuity*^	This course presents preparations for, reactions to and disaster recovery from cybersecurity events and threats that disrupt critical business functions. Students examine various levels of organizational threats to critical business functions and assets. Developing policies, procedures and plans to support recovery is also covered.	SEC285 or SEC305 or SEC335	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
SEC395	Cybersecurity Architecture and Engineering*^	This course addresses security architecture and engineering skills needed to secure in-house, cloud-centric and hybrid IT environments. Topics include assessing organizations' cybersecurity readiness, and technical-team leadership needed to implement enterprise-wide cybersecurity solutions. Students apply best practices in governance, risk management and compliance to design and implement solutions within adopted policies and frameworks and ensure organizations' readiness for cyberattacks.	SEC290 or SEC311 or SEC322	3
SEC399	Cybersecurity Career Preparation*^	This course reviews and reinforces knowledge and skills needed to implement, monitor and administer IT infrastructure using cybersecurity best practices. Cyber industry topics covered include security operations and administration; access controls; risk identification, monitoring and analysis; incident response and recovery; cryptography; network and communications security; and systems and application security.	SEC290	1
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
SEC455	Security Operations Center	This course presents essential skills required within a security operations center (SOC) to successfully protect organizational assets from cyber-attacks and addresses how attackers are identified. Coursework is designed to help students learn about the different types of SOCs and their respective goals, roles, benefits and challenges.	Corequisite: SEC395	4
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

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Course Designator and Number	Course Title	Course Description	Prerequisite	Credit Hours
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
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	3
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
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				
TECH204	Everyday Physics	This course introduces physics by exploring how common things and situations work. Case studies, used to present course material and related active learning exercises, illustrate essential physics concepts. Coursework also examines physics theories, laws, models and hypotheses.	CEIS114 and MATH114	4
TECH215	Introduction to Sustainability	This course covers sustainability issues facing society that involve water, food, energy, transportation, living conditions, education and municipalities. Green business topics and economic development are also examined. Students study cases involving global challenges engineers across multiple disciplines are working to resolve.	BUSN115 or CEIS101 or CEIS101C	4

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Course Designator and Number	Course Title	Course Description	Prerequisite	Credit Hours
TECH221	Data-Driven Decision-Making	This course explores essential principles of statistical analysis, as well as effective application of various statistical techniques. Coursework addresses methods for collecting, preparing, analyzing and interpreting data; story-telling and communicating insights; and reporting on data that drives priorities and business decision-making.	MATH114	4
TECH231	Introduction to Artificial Intelligence Applications	This course explores algorithms, applications and careers in artificial intelligence and machine learning. Applications such as the Internet of Things, image processing, robotics, natural language processing and data analytics are examined.	CEIS110, and MATH221 or TECH221	3
TECH301	Design of Experiments	This course presents the principles and practice of design of experiments (DOE). Coursework addresses the experimentation process and guidelines for designing experiments. Proper methods of analysis and interpretation of experiment results are also covered.	MATH221 or TECH221	3
TECH310	Process Improvement	This course introduces the two main processes of Six Sigma – DMAIC (define, measure, analyze, improve, control) and DMADV (define, measure, analyze, design, verify). General statistical principles are reviewed, as are new topics addressing principles of statistical process control. Students explore how these principles are applied to improve existing processes and create new ones.	MATH221 or TECH221	3
TECH401	Physics and Technology	This course examines physics through the study of various technologies. Physics principles and mathematical analyses describing the operation of modern devices, instruments and products are presented. Students apply these principles to gain an understanding of the performance tradeoff imposed by physical limitations of various processes, devices and systems.	MATH265 and TECH204	3
TECH408	Applied AI for Management and Technology	This course presents use of data analytics as applied to products and services. Coursework also introduces artificial intelligence tools used in various industry sectors for business decision-making. Ethics and privacy impacts for organizations and society are also explored.	MATH221 or MATH226 or TECH221	3
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.	Successful completion of 89 semester-credit hours and permission from the appropriate academic administrator	3

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Course Designator and Number	Course Title	Course Description	Prerequisite	Credit Hours
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.	CIS363B	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	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	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

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Course Designator and Number	Course Title	Course Description	Prerequisite	Credit Hours
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
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 or WGD235	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
Keller Graduate School of Management Courses **Note: Enrollment in the graduate-level courses below is limited to students in certain DeVry bachelor's degree programs. Visit the Requirements for Undergraduate Students Enrolling in Keller Courses section for details.**				
HRM587G	Managing Organizational Change	This course addresses concepts and techniques required to successfully implement change across an organization. Coursework focuses on identifying an organization's vision as well as opportunities that can align the vision with the organization's structures, processes, culture and orientation to the environment. Also addressed are opportunities for, and problems in, managing human dynamics in organizations, including intervention techniques, models, principles and values that indicate how to take charge of planned change efforts in order to achieve success.	Successful completion of 89 semester-credit hours and permission from the appropriate academic administrator	3

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Course Designator and Number	Course Title	Course Description	Prerequisite	Credit Hours
LEAD570G	Leadership in the Age of AI	This course provides tools and strategies essential for leadership in the evolving age of artificial intelligence (AI). Coursework draws on real-world examples of innovative decision-making, helping students evaluate the leadership mindset and its impact on team engagement and future preparedness. The course also emphasizes how to leverage AI, data and technology to lead and sustain change.	Successful completion of 89 semester-credit hours and permission from the appropriate academic administrator	3
MIS540G	Innovation Through Technology	This course explores the critical role of technology and innovation in reshaping the management and operation functions of contemporary organizations. Focusing on how organizations use technology to reinvent business processes and increase competitiveness in an increasingly virtual and interdependent world, the course addresses emerging organizational forms; competitive advantages; strategic initiatives; managing innovation projects; enterprise systems; the use of data for supporting decision-making; global supply chains and business processes. Social and ethical issues are explored in the context of how technology is used to drive business innovation.	Successful completion of 89 semester-credit hours and permission from the appropriate academic administrator	3
MIS548G	AI Applications for Business	This course presents applied artificial intelligence (AI) and data analytics using product and service case studies and examples. AI tools used in different industry sectors for business-related decision-making are discussed. Coursework also examines ethical and privacy considerations of various types of AI.	Successful completion of 89 semester-credit hours and permission from the appropriate academic administrator	3

General Student Information

Hours of Operation

Typically, administrative hours at DeVry University locations are Monday through Friday 10 am to 6 pm; specific information is available from each location. In general, onsite classroom hours are Monday through Friday beginning at 6 pm and ending as late as 10 pm. Virtual student support is available by calling 877-496-9050:

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

Academic Instruction and Faculty Office Hours

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

In general, throughout the duration of a course, students can expect a response to online submissions of assignments any time after Tuesday evening following the weekly submission deadline, which is 11:59 pm MT Saturday night. Other submissions (e.g., discussion board posts, etc.) completed through the online learning platform generally provide an immediate digital response indicating the transmission was completed successfully.

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.

Technology Specifications

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

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

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

Onsite Computer Access

Though a limited number of computers, including laptops, may be available at DeVry locations for students' use, the University cannot guarantee their availability. Therefore, students are expected to take their personal computing devices to class. For more information, visit the Technology Specifications section.

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.

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

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

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

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

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

Employment Outside the United States
Applicants and students outside the United States or planning to move outside the United States for employment should be aware that professional standards of practice may vary by country. Persons interested in employment outside the United States are encouraged to contact the national association or regulatory agency for their field of interest.

Primary Program of Enrollment
A student's first program of study is considered the primary program unless the student requests a program change (visit the Program Transfers section).

All students enrolled in site-based programs will be required to take some coursework online. Some students in certain programs and at certain locations may be required to complete a substantial portion of program coursework online.

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

Future programmatic changes could impact application of credit to a future program. Students should contact a student support advisor for more information.

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

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

Stackable Programs		
Undergraduate Certificate	**Associate Degree**	**Bachelor's Degree**
Information Technology Essentials	Cybersecurity & Networking	Cybersecurity & Networking
		Information Technology & Networking with Cyber Security track
	Engineering Technology	Engineering Technology
	Information Technology & Networking with Automation and Electronic Systems track	
	Information Technology & Networking with Information Systems and Programming track	Computer Information Systems
		Software Development
	Information Technology & Networking with Network Systems Administration track	Information Technology & Networking
Internet of Things	N/A	Information Technology & Networking with Mobile and Networked Devices track
Medical Billing & Coding*	Health Information Technology with Health Information track*	Technical Management with Health Information Management technical specialty
Medical Billing & Coding – Health Information Coding*		
Networking Essentials	Information Technology & Networking with Network Systems Administration track	Information Technology & Networking
Programming Essentials	Information Technology & Networking with Information Systems and Programming track	Computer Information Systems
		Software Development
Project Management	N/A	Business Administration with Project Management major/concentration
		Business Management with Project Management concentration
		Technical Management with Project Management technical specialty
Software Design & Solutions	N/A	Computer Information Systems with Software Programing track
	N/A	Software Development with Software Design and Programing track
Web & Mobile Application Development	N/A	Software Development with Web and Mobile Application Development track

Embedded Programs
Students can earn additional credentials en route to earning their associate or bachelor's degree when pursuing qualifying degree programs.

Note: Students in the Information Technology & Networking associate degree 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.

Embedded 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 Cybersecurity & Networking	Information Technology Essentials	N/A
Associate in Engineering Technology with General option	Engineering Technology	N/A
Associate in Engineering Technology with Machine Learning and Design Techniques option	Engineering Technology	N/A
Associate in Engineering Technology with Medical Technology and Healthcare Systems option	Engineering Technology	N/A
Associate in Engineering Technology with Renewable Energy and Sustainable Power option	Engineering Technology	N/A
Associate in Information Technology & Networking with Undeclared track	Information Technology Essentials	N/A
Associate in Information Technology & Networking with Automation and Electronic Systems track	Information Technology Essentials	N/A
Associate in Information Technology & Networking with Network Systems Administration track	Networking Essentials	N/A
Associate in Information Technology & Networking with Information Systems and Programming track	Programming Essentials	N/A
Bachelor's in Cybersecurity & Networking	Information Technology Essentials	Cybersecurity & Networking
Bachelor's in Engineering Technology	Engineering Technology	Engineering Technology with Machine Learning and Design Techniques option
Bachelor's in Computer information Systems	Programming Essentials	Information Technology & Networking with Information Systems and Programming track
Bachelor's in Information Technology & Networking	Networking Essentials	Information Technology & Networking with Network Systems Administration track

Embedded Programs		
Primary Degree Program	**1st En Route Credential: Undergraduate Certificate**	**2nd En Route Credential: Associate Degree**
Bachelor's in Software Development	Programming Essentials	Information Technology & Networking with Information Systems and Programming track

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. Curriculum changes may also affect the time needed to complete a program, as well as the length of both normal- and minimum-time-to-complete schedules shown in the Colleges & Programs of Study section. If a change occurs, an alternate plan of study may be established for students to complete in lieu of the original requirements. Alternate plans may result in additional coursework requirements and financial obligations. Program or policy changes that affect students already enrolled are announced within a reasonable timeframe of at least 30 days before the beginning of the effective term.

Students who for any reason withdraw from, are dismissed from, or fail courses or programs may require additional coursework and incur additional financial obligations when they resume their studies.

The University also reserves the right to cancel a section of a course if enrollment is insufficient.

Students may transfer to another location within the DeVry system and retain credit for all coursework completed; however, program availability varies by location and delivery method.

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.

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

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

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

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

Courses may be delivered as:

Blended/Hybrid (mix of onsite and online)
Note: References to onsite refer to the blended/hybrid course delivery modality.

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

Some blended/hybrid courses may offer instruction via videoconference from a single DeVry location and be delivered to other DeVry locations and/or to fully online students via technology. To complete blended/hybrid courses, students must be in close proximity to a University location.

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

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

Course-Related Requirements

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

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

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 composition and/or beginning algebra. Transitional studies courses may be offered in various formats, and may be taken separately or in conjunction with other coursework, provided prerequisites are met. Students requiring transitional studies must begin this coursework no later than their second session of enrollment and must continue to enroll in at least one transitional studies course each session of attendance until all transitional studies requirements have been satisfied. Required transitional studies coursework may affect program length and cost. Note: Students requiring transitional studies coursework may not be able to select a minimum-time-to-complete schedule until all transitional studies course requirements have been fulfilled, which would increase program completion time. Such students should work with a student support advisor to determine an appropriate schedule.

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

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

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

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

Transitional studies courses are unlikely to transfer to other institutions.

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

Course availability may be affected by enrollment minimums and maximums.

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

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

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

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

Note: Restrictions on financial aid for elective and/or alternate courses may apply (visit the Financial Aid Applicability to Elective and/or Alternate Courses section).

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

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

- **Sponsored Projects:** These provide academic credit and count toward graduation requirements typically as part of a senior project or capstone course.
- **Internships:** These may provide credit toward academic program requirements and may count toward graduation requirements.

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

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

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

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

Requirements for Undergraduate Students Enrolling in Keller Courses
Note: Enrollment in graduate-level courses offered by the University's Keller Graduate School of Management is limited to undergraduate students in DeVry's bachelor's degree programs in Business Management and in Cybersecurity & Networking.

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

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

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

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

Engineering and Information Sciences – General Course Requirements
DeVry College of Engineering & Information Sciences programs – whether delivered online or through the blended/hybrid modality – 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.

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 students' progress in conjunction with practicum site liaisons. Applicants to, and students in, programs with practicum or clinical coursework components must comply with DeVry's requirements for their program. Failure to fully disclose a criminal record, failure to comply with background and/or drug screening requirements or failure to have a satisfactory outcome may result in denial of admission to, or dismissal from, the program.

Healthcare Site Requirements and General Information
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.

Transportation to external healthcare sites, meals at such sites and personal expenses are not included when calculating students' annual costs. These expenses vary according to individual student needs. DeVry attempts to place students at healthcare sites within a 50-mile radius of their DeVry location; however, distances may be greater.

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

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

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 the Course Descriptions section 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 contact 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.

Credentials Granted
Students are eligible to receive the credential granted in their chosen program after successfully completing all course and other requirements for graduation.

Students must meet all location-specific requirements prior to the credential being awarded. Certificate and degree names may vary by state (visit the Colleges & Programs of Study section.

Student Services & Support Resources

Advising and Student Support

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

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

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

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

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

Career Services

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

Career services available to students and alumni include:

- **Career Coaching**: Career coaching assists students and alumni in their career search by helping them create résumés and cover letters, prepare for interviews, and learn about networking opportunities and job-seeking strategies. Career coaching includes one-on-one appointments with career services professionals who focus on an individual's job search obstacles and develop strategies to help them reach their employment goals. Appointments occur virtually via phone, web-sharing and email to ensure flexibility in meeting the needs of students and alumni.
- **Job Search Platform**: DeVry maintains an interactive platform, HireDeVry, that contains job opportunities from employers looking to hire for various roles throughout the United States. This online job search tool provides students and alumni access to active internship, apprenticeship, remote and full-time opportunities.

- **Career Events**: DeVry Career Services hosts career events throughout the year to help students and alumni continue their career development, network with each other and connect with recruiters actively hiring. Events may include career development webinars hosted by subject matter experts, employer information sessions and virtual career fairs.
- **Experiential Learning Education**: DeVry Career Services communicates the importance of experiential learning to current students. Career services professionals focus on identifying unique opportunities that help enable students to apply their classroom learning in real-world situations. Opportunities include internships, micro-internships and virtual internships; apprenticeships; volunteer opportunities; and ways in which students can use their current employment to help expand their program knowledge.

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

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

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

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

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

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

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

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

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

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

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

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

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

Library
DeVry University's library is virtual and supports student learning. Students can access digital library materials from the main page of the Library via their personal devices 24/7. Resources include periodical and research databases, e-books, full-text journal articles and information

from academic and trade publications. Some DeVry locations offer a student commons area – an open space where students can collaborate, study or conduct online research. At such locations, library resources can be accessed through a computer available for student use in the student commons.

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

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

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

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

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

Student Records

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

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

Official Transcripts
Students are provided an electronic, final transcript at no charge upon graduation. Students and alumni must submit requests for official transcripts via the student portal. Visit the Official Transcript Request section.

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

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

- Email: documentrequest@devry.edu
- Fax: 630.689.4003 (Attn: Document Request)
- Mail: DeVry University
  Attn: Document Request
  4225 Naperville Rd., Ste. 400
  Lisle, IL 60532

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 (e.g., GED® certificate).
  - Students may submit unofficial documentation (such as copies of diplomas or transcripts). Official documentation must be provided by the end of the second session of enrollment. Students who do not meet this deadline are dropped from all courses in which they are enrolled for future sessions and may not enroll until official transcripts are received.
  - Tennessee residents must provide one of the following: a copy of an official high school transcript; a GED® certificate or the equivalent; or an official transcript of a postsecondary degree. The postsecondary transcript must include the name of the high school and the high school graduation date.
- Be at least 17 years old on the first day of classes. Documentation may be required.
- Meet the English-language-proficiency requirement, if their native language is other than English. Visit the English-Language-Proficiency Requirement section.
- Applicants to a 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	500
	ACT Math	17
English	SAT Reading	25
	ACT English	17

B. Present one of the following prior educational experiences:

- Transcript demonstrating completion of a qualifying associate degree or higher from a DeVry-recognized postsecondary institution
- Transcript(s) demonstrating completion of at least 12 semester-credit hours of qualifying college-level work at a DeVry-recognized postsecondary institution(s), with grades of at least C (70 percent) or a cumulative grade point average of at least 2.00
- An official score report from the Armed Forces Qualification Test (AFQT) with a score of at least 60 on their Armed Services Vocational Aptitude Battery (ASVAB)
  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	92
	Algebra	50
English	Writing	02
	Reading	75

English-Language-Proficiency Admission Requirement
All instruction and services are provided in English.

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

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

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

Special Admission Requirements
In addition to meeting all regular admission requirements, students included in the categories below must adhere to the following requirements.

Program-Specific Requirements

- **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.
- **Medical Billing & Coding Program:** Applicants must demonstrate proficiency in composition beyond transitional studies or successfully complete BUSN062 in their first session. The Math placement exam is not required for 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 postsecondary institution, or they 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.
- **Website Design Program:** Applicants must demonstrate proficiency in composition beyond transitional studies or successfully complete BUSN062 in their first session. The Math placement exam is not required for this program. Required transitional studies coursework may affect program length and cost.
- **Website Development:** Applicants must demonstrate proficiency in composition beyond transitional studies or successfully complete BUSN062 in their first session. The Math placement exam is not required for this program. Required transitional studies coursework may affect program length and cost.

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

- Home school portfolio and letter from provider affirming achievement through high school as required by state of residence and include a brief school profile description indicating the school's location and contact information
- Transcript from state-approved home school organization
- Home school transcript from state-approved organization, acceptable home school portfolio, or home school 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 receiving an admission decision. This deadline for these applicants cannot be extended.

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

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

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

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 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. Misconduct of those already enrolled when a fraudulent document is discovered 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. The University reserves the right to refuse admission or readmission to any applicant or student when it is deemed in the best interest of the University to do so or if the University determines the applicant may not be able to benefit from the University's instruction. Students wishing to be readmitted into the University may be required to submit an appeal or documentation. Admission to the University does not constitute automatic continuation in future semesters. The University reserves the right to refuse admission or continuation to any student.

Additionally, students should be aware of the following:

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

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. Visit the Prior Learning Credit section for more information.

Academic Policies & Graduation Requirements

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.
- 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.

Non-GPA Credit

The following appear on students' transcripts but are omitted from GPA calculations:

- Transitional studies courses
- Courses graded on a Satisfactory/Unsatisfactory basis
- Zero-credit-hour courses
- Audited courses

If students are required to take a non-GPA course, credit is considered when determining students' academic level and progress.

Grades and Designators

DeVry uses the grading system outlined below. Designators indicate academic action rather than grades and are not included when computing academic averages. Grades are posted and made available via the student portal at the end of each session. Final grades are based on the percentage equivalent in the chart below and are not rounded to the next higher letter grade. Term, semester and cumulative grade point averages (GPAs) are calculated at the end of the session. Academic honors and academic progress evaluations – including academic standing – are calculated at the completion of each student's semester/student-centric period. GPAs are calculated using grades from undergraduate-level courses taken at DeVry University only. Grades 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

A grade of D is not assigned in certain courses, where a grade of F is assigned for work below 70 percent. Course descriptions note the grading system for each such course.

Designator	Definition
AU	Course Audit
EX	Exemption
I	Incomplete
IP	In Progress
PLA	Portfolio Assessment
PR	Proficiency Credit
S	Satisfactory
T	Transfer Credit
U	Unsatisfactory
W	Withdrawal (prior to official withdrawal deadline)

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 (visit the Grade Point System and Grade Point Averages section). 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 and fees are charged for audited courses; however, financial aid may not be applied to audited courses. Thus, changing to audit status may affect financial aid awards. Academic engagement is required. If, in professors' opinions, audit students do not fulfill the above obligations, audit status may be revoked, and students may be removed from class.

Not all courses are eligible for audit status.

Designator of EX – Exemption
An EX designator signifies block transfer credit was awarded (visit the Credit for Previous College Coursework – Block Transfer Credit for Eligible Associate Degree Holders section).

Designator of I – Incomplete
An I designator signifies that required coursework was not completed during the session of enrollment.

Incompletes are granted in exceptional situations only, such as when illness or work-related travel is documented and when substantial course requirements have already been completed. All required work must be completed and submitted to the professor by Sunday of week 2 of the subsequent session. The I must be converted to a letter grade A through F, or to an S or U designator, as determined by the course grading scale.

Designators of I are counted in attempted hours but are not counted in any GPA computations. If course requirements are not satisfied by the deadline, the I is converted to an F. When an I is converted to a final grade for the course, the grade is applied to the session in which the student took the course. The GPA is then recalculated for that session, resulting in different term, semester and cumulative GPAs.

An I in a prerequisite course does not satisfy the course requirement; thus, the student is administratively dropped from the course for which the prerequisite course was required. Students are notified of dropped courses by email. A reduction in enrolled hours may affect financial aid eligibility and/or awards.

An I may be assigned only when all the following conditions are met:

- The student has been making satisfactory progress in the course, as determined by the professor.
- The student is unable to complete some coursework because of unusual circumstances beyond personal control. The student must submit a Request for Course Incomplete form and obtain approval from the professor and the appropriate academic administrator prior to the grade roster deadline.

Designator of PLA – Portfolio Assessment
PLA designators signify proficiency credit awarded for portfolio assessment (visit the Portfolio Assessment section.

Designator of PR – Proficiency Credit
A PR designator indicates proficiency credit awarded for various types of prior learning for which transfer credit (T) or portfolio assessment credit (PLA) is not awarded, including:

- Military coursework and training
- Professional certifications and training
- External standardized exams
- DeVry-administered challenge exams

Designator of S – Satisfactory
An S designator is awarded for satisfactory completion of a course graded on a Satisfactory/Unsatisfactory basis. Courses graded on this basis are noted in course descriptions.

Designator of T – Transfer Credit
A T designator is awarded for applicable prior college credit.

Designator of U – Unsatisfactory
A U designator is awarded for unsatisfactory completion of a course graded on a Satisfactory/Unsatisfactory basis. Courses graded on this basis are noted in course descriptions.

Designator of W – Course Withdrawal
A W designator signifies withdrawal from the course and appears on transcripts of students who attend all courses during the add/drop period and then withdraw from a course or courses, or who are administratively withdrawn from a course or courses because of an academic engagement violation.

Students who remain enrolled in a course or courses after the course drop deadline and wish to withdraw from a course or courses must contact a student support advisor or an appropriate academic administrator.

Students may withdraw at any time prior to the withdrawal deadline, which is Friday of week 7 at 11:59 pm MT.

Missing Grades
Term GPAs or semester GPAs (when applicable), 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 4 of the session immediately following the session in which they took the course. If issues remain unresolved after reviewing the grade with the professor, students may appeal the grade by submitting a request to the appropriate academic administrator, or to a student support advisor for routing. The academic administrator will review the appeal and make a decision on the outcome, which can result in a final grade that may increase, decrease or stay the same.

Grade appeal requests must be made during the session immediately following the session in which students were enrolled in the course. Grade changes beyond the time allotted for the grade appeal process must be of an unusual nature and are considered exceptional. Exceptions must be approved by the appropriate academic administrator. Grade changes are not permitted after the award of a degree or certificate except for legitimate grade changes within the allotted grade appeal time period (visit the Retroactive Grade Changes section).

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
Upon the University's evaluation, students with qualifying previous prior learning may receive credit toward graduation. As appropriate, the University awards credit for:

- Previous college coursework
- Military coursework and training experience
- Portfolio Assessment
- Professional certifications and training
- Examinations

Additionally, to facilitate ease of transferring credits among institutions, the University maintains articulation agreements with many DeVry-recognized two- and four-year colleges and universities, as well as with entities such as the military. Applicable course equivalencies resulting from these agreements are reflected on students' transfer credit evaluations. Information on agreements maintained by DeVry is available via the University's transfer student web page.

Transfer and/or proficiency credits that satisfy graduation requirements are considered when determining a student's academic level and progress; however, these credits are not used when computing GPAs. Neither transfer nor proficiency credit is granted for the following, which must be completed at DeVry:

- COLL148, Critical Thinking and Problem-Solving
- LAS432, Technology, Society, and Culture
- Senior project courses
- Internship courses
- Courses with the CARD designator

Prior learning credit does not satisfy DeVry's residency requirement. Prior learning credit maximums are also subject to DeVry's residency requirement for the chosen program; state-specific requirements may apply (visit the General Graduation Requirements – All Students section).

Additional restrictions may apply (visit the Portfolio Assessment section).

Students who receive transfer or proficiency credit for a course are not automatically granted associated credit for lower-level, prerequisite and/or corequisite courses.

Acceptance of transfer courses and award of transfer credit neither imply nor ensure that all transfer credit will fully apply to students' chosen programs. Transfer courses must have been completed with grades of C (70 percent) or better.

Transferability of credit may be limited by programmatic accreditation and/or state requirements.

Students wishing to apply transfer credit for a Keller course must meet requirements in the Keller Graduate School of Management academic catalog.

Credit for Previous College Coursework – All Students
An applicant seeking to transfer credit from another institution must request a credit evaluation prior to beginning the first class at DeVry and must provide an official transcript from the

institution where the credit was earned. DeVry may require a catalog or additional material or, if credits were earned at a foreign institution, a credit evaluation by an approved external evaluation service. A maximum of 80 DeVry credit hours may be awarded for lower-division or community college courses. Transfer credit maximums are also subject to DeVry's residency requirement for the chosen program (visit the General Graduation Requirements – All Students section). Students attending DeVry who seek to earn credit at another institution for transfer to DeVry must have approval to do so in advance from a DeVry academic administrator (visit the Grade Point System and Grade Point Averages section).

Students may request a transcript evaluation via the University's transfer student web page. Additionally, DeVry admissions advisors/representatives and student support advisors are available to assist students with transfer credit evaluation requests.

Credit for Previous College Coursework – Block Transfer Credit for Eligible Associate Degree Holders

DeVry offers qualifying associate degree holders the opportunity to transfer a 60-credit-hour block toward a DeVry bachelor's degree program through its Transfer Advantage60 Pledge, which provides the following transfer credit options:

- **Standardized Block Credit Transfer for Eligible AA and AS Graduates**: Applicants who meet all the following requirements are eligible to transfer credits earned in the associate degree program to DeVry bachelor's degree program in Accounting, Business Administration or Technical Management:

  - Hold an associate of arts or associate of science degree from a DeVry-recognized postsecondary institution
  - Have a cumulative grade point average of at least 2.0 (on a 4.0 scale)
  - Meet all other DeVry admission requirements
  - Have selected a DeVry bachelor's degree program that directly parallels the associate degree and area of specialization.

  Applicants should note that:

  - Block credit awards vary by program and by state.
  - Evidence of completion of specific math and English coursework is required.
  - Additional coursework may be required to meet course prerequisites and/or to meet state-specific requirements for degree conferral; additional coursework may increase program length and cost.
  - Academic plans are revised for students who transfer programs while at DeVry.
  - Exemptions are applied for courses within the block of transfer credit awarded to eligible students (visit the Designator of EX – Exemption section).
  - Restrictions on application of block credit transfer may apply for those who hold international credentials/transcripts.

  More information is available from DeVry admissions advisors/representatives.

- **Customized Block Credit Transfer:** Applicants whose associate degree programs do not qualify them for the standardized block credit transfer may be eligible for customized block credit transfer toward DeVry's bachelor's degree program in Technical Management.

Transfer guides that provide this block credit transfer opportunity include typical distributions of credit. However, each applicant's prior credits are evaluated individually to determine applicability to a customized block of credit. **Note**: Transfer guides may include programs not typically included in block credit. Those interested in transferring to DeVry should consult their associate degree academic or transfer advisor or contact a DeVry admissions advisor/representative.

More information is also available in DeVry's Transfer Guides.

Note: An applicant whose associate-degree-granting institution does not participate in Transfer Advantage60 (TA60) may be eligible for block credit based on an individual evaluation.

Credit for Military Coursework and Training Experience

Military coursework and educational experiences are evaluated based on American Council on Education (ACE) recommendations, which may indicate that military coursework and educational experiences qualify for either transfer credit or proficiency credit. Additional information on workforce and military training recommendations is available via the National Guide to College Credit for Workforce Training and the ACE Military Guide Online, respectively.

DeVry University is proud to have a partnership with the Air University Associate to Baccalaureate Cooperative (AU-ABC) program. The AU-ABC program connects students and graduates of the Community College of the Air Force Associate in Applied Science (CCAF AAS) to accredited civilian academic institutions that offer online/distance learning educational opportunities at the baccalaureate level.

Members of the U.S. Air Force with a CCAF AAS degree are eligible for DeVry University's Bachelor of Science in Technical Management (BSTM) program. Completed CCAF associate degrees fulfill up to 60 credit hours of BSTM program requirements. CCAF graduates complete the remainder of the program, typically 62 credit hours, at DeVry.

Additional information on credit for military coursework and training experience is available from DeVry admissions advisors/representatives.

Portfolio Assessment

DeVry University offers currently enrolled students the opportunity to earn college credit for prior learning through portfolio assessment. To be eligible to submit a portfolio for assessment, students must complete a portfolio development course at DeVry, which guides them through the process of preparing and submitting a portfolio. Successful portfolios demonstrate achievement of course learning outcomes for specific DeVry courses and are awarded proficiency credit.

Portfolio Assessment Eligibility

To be eligible for credit, students must:

- Demonstrate basic English-language proficiency in one of the following ways:
  - Standard placement in English by means of DeVry-administered testing, eligible ACT or SAT English scores or acceptable grades in qualifying college-level coursework; or
  - Transfer of academic credit equivalent to ENGL112; or
  - Successful completion of ENGL112.

- Reside in the United States. (This includes international students on an F-1 visa; however, proficiency credit hours do not count toward minimum credit hours required to be considered full-time.)
- Submit an application to a student support advisor (SSA) while enrolled and attending classes as matriculated students in undergraduate coursework for the current session and prior to the final term of enrollment.
- Submit transcripts from all previously attended postsecondary institutions and request transfer credit prior to submitting the application.
- Verify with an SSA that the course or courses for which portfolio assessment credit is being sought applies to their program requirements.
- Have satisfied DeVry University residency requirements or have enough required DeVry coursework remaining to satisfy residency requirements after portfolio assessment credit has been awarded.

Portfolio Assessment Policies

Students pursuing portfolio assessment credit must adhere to the following University policies:

- The first portfolio must be submitted no later than 90 days after enrolling in the portfolio development course.
- Prior to submitting each additional portfolio, students must submit a Portfolio Assessment Request form to an SSA.
- Students have one attempt to seek portfolio assessment credit for each DeVry course.
- Students may not appeal portfolio review decisions.
- Students may not seek portfolio assessment credit for a:
  - DeVry University course previously attempted, regardless of the grade or designator assigned to the attempt.
  - DeVry University course in which they are currently enrolled.
  - Course equivalent to one for which they have already earned credit.
- Portfolio assessment credit does not waive prerequisite or corequisite requirements associated with the credited course; prerequisite and corequisite course credits must be earned independently.
- Portfolio assessment credit is treated as proficiency credit and is limited by the residency requirement (visit the General Graduation Requirements – All Students section) and applicable state limitations noted below.
- Partial credit is not awarded for portfolio submissions.
- Students are responsible for ensuring they are not enrolled in a course for which they intend to seek portfolio assessment credit. DeVry will not refund tuition to students who pay for such a course.

Students should note that portfolio assessment may not be available for certain courses. More information is available from a student support advisor.

Students in the following states should note the limitations below:

- **California**: Students may receive a maximum of 15 semester-credit hours of experiential learning credit for the first 60 credit hours of their program and an additional 15 semester-credit hours of experiential learning credit for the second 60 credit hours of their program.

- **Florida**: Students may receive a maximum of 25 percent of the total semester-credit hours required in their degree program through portfolio assessment credit.
- **Oregon**: Students may receive a maximum of 25 percent of the total semester-credit hours required in their degree program through credit for a combination of Advanced Placement exams, challenge exams and portfolio assessment credit.
- **Texas**: Students may receive a maximum of 15 semester-credit hours of portfolio assessment credit.
- **Virginia**: Students may receive a maximum of 30 percent of the total semester-credit hours required in their degree program through portfolio assessment.

Credit for Professional Certifications and Training

As appropriate, DeVry applies proficiency credit for professional certifications and training toward students' program requirements. To determine appropriate application of proficiency credit, DeVry uses guidelines established by the American Council on Education (ACE). The University does not accept courses completed at the vocational level. Certain restrictions apply.

Students may be eligible for proficiency credit if they hold current, specific industry-recognized professional licenses or certificates such as, but not limited to:

- Certain Cisco certifications
- Certain CompTIA certifications
- Certain Microsoft certifications
- RHIT Certification

Students may also be eligible for proficiency credit if they have successfully completed certain specialized training such as Cisco Networking Academy coursework. Documentation of certifications and licenses must be provided and validated prior to evaluation. DeVry admissions advisors/ representatives and student support advisors are available to assist students in this process.

Credit by Examination

Students may earn proficiency credit for a course by successfully completing one of the following:

- **DeVry University Challenge Exam:** Students may wish to attempt a challenge exam if they feel course material has been mastered, either through coursework completed outside DeVry for which transfer credit cannot be given or through self-study. Students who have never been enrolled in the course at DeVry and have not previously attempted the challenge exam may request a challenge exam by contacting a student support advisor. Students can receive proficiency credit for a course when they score 80 percent or higher on a challenge exam. Proficiency credit is not included in grade point averages. **Note:** Challenge exams are not available for all courses.
- **External Standardized Exam:** Students may qualify to receive proficiency credit for a course by successfully completing a nationally recognized exam such as:
    - Advanced Placement (AP) test
    - College Level Examination Program (CLEP) test
    - DANTES Subject Standardized Test (DSST)
    - International Baccalaureate (IB) exam
    - American Health Information Management Association (AHIMA) course or exam

Detailed information on applicability of these external standardized exams to students' programs is available via the University's transfer student web page.

Prior Learning Credit – Veterans
Evaluation of previous postsecondary education and training is mandatory for VA beneficiaries. DeVry grants appropriate credit, reduces program length proportionately, notifies students and Veterans Affairs in writing of this decision, and adjusts invoicing to the VA accordingly for students using veterans benefits and approved for transfer credit as a result of this evaluation.

DeVry maintains a written record of previous undergraduate and graduate education completed by veterans and all persons eligible for veterans benefits. A copy of official transcripts used to evaluate transfer credit is maintained in each student's permanent record. This record, required for transfer-credit review, clearly indicates when appropriate transfer credit has been given. A veteran enrolled in a DeVry University course for which credit has already been earned at a University-recognized institution cannot include that course in the total hours reported to the U.S. Department of Veterans Affairs. It is the student's responsibility to be aware of prior credit eligible for transfer.

New Jersey Statewide Reverse Transfer Agreement
DeVry University participates in the New Jersey Statewide Reverse Transfer Agreement. Reverse transfers allow eligible students to apply DeVry University credits to complete their New Jersey community college associate degree. Students who transferred to DeVry before completing their associate degree at a New Jersey community college may be eligible for reverse transfer; additional eligibility requirements apply.

Students who are interested should contact a student support advisor for information about eligibility requirements and the process to send their DeVry transcripts to their community college.

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
Students wanting to change their primary program must submit a program transfer request to the registrar prior to registering in coursework in the new program. Program transfers requested by Sunday of week 1 of the session are effective that session; requests after week 1 of the session are effective the subsequent session. Program transfers are not applicable to sessions already completed.

Financial aid eligibility for coursework not applicable to the current program may be limited (visit the Financial Aid Applicability to Elective and/or Alternate Courses section). Students should contact a student support advisor for more information.

Program transfers may result in students having to take additional coursework to fulfill graduation requirements of the new program. Students transferring programs may be required to sign an enrollment agreement addendum before beginning classes in the new program and are evaluated for admission and placement under the new program's admission requirements.

Location Transfers
Students requesting a location transfer must submit the Request for Home Location Update form to the registrar. Students approved for transfer must meet all graduation requirements of the intended state, based on their residence, in order to graduate. Students on financial aid probation (academic probation) or disciplinary probation remain on probation after the transfer.

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 a student support advisor if they are considering relocating during their course of study.

Note: There may be consequences, such as ineligibility for financial aid, for applicants and students who relocate to a state where DeVry is not authorized. There may also be program limitations, even in states where DeVry is authorized; applicants/students may not be able to apply to, continue in or transfer to a particular program, as not all programs may be approved by a state authorization agency. Visit the State Authorization section for additional information.

Transfers to Other Institutions
Course credits are not guaranteed to transfer to other schools. Acceptance of credits is subject to the receiving institution's requirements.

Note to California residents concerning transferability of credits and credentials earned at our institution: The transferability of credits you earn at DeVry University is at the complete discretion of an institution to which you may seek to transfer. Acceptance of the academic credential you earn in your program of study is also at the complete discretion of the institution to which you may seek to transfer. If the credits or academic credential that you earn at this institution are not accepted at the institution to which you seek to transfer, you may be required to repeat some or all of your coursework at that institution. For this reason, you should make certain that your attendance at this institution will meet your educational goals. This may include contacting an institution to which you may seek to transfer after attending DeVry University to determine if your credits or academic credential will transfer.

Note: Certain DeVry courses are specifically tailored to meet the needs of DeVry students; credits earned in these courses may not transfer in full to other institutions.

Registration and Course Scheduling
Registration is the process of enrolling in and paying for a course. Students are encouraged to register online via the University's student portal. They can also contact a student support advisor to complete the registration process. Student Central colleagues may register students prior to the start of the session and through week 1.

Students must submit official 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 the University's student portal. Students may not drop all courses for the session via self-registration.

Those who have not completed required transitional studies coursework may not be able to self-register for courses until all transitional studies courses have been successfully completed. Permission to enroll in many standard courses is dependent on successful completion of such coursework.

Students who need registration assistance should contact a student support advisor.

Enrollment Status
Enrollment status is determined separately for each semester and is based on all courses in which the student was enrolled during the two sessions comprising the student's semester/student-centric period (SCP). Enrollment status is determined as of the first scheduled class in the student's earliest session (first day of the earliest session for online students). Enrollment status is not affected by the date of application.

Enrollment status is determined as follows:

Credit Hours Enrolled Per Semester/SCP	Enrollment Status
12 or more	Full time
9-11	Three-quarter time
6-8	Half time
Less than 6[1]	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 (visit the student handbook for more information). To maintain a full course of study, at least 12 credit hours per semester, students must enroll in no more than three credit hours in an online course and no fewer than nine credit hours in onsite courses. Additionally, F-1 students must enroll in at least one onsite course each eight-week session.

Course 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

[1] Students enrolled in courses that do not carry credit hours are also considered enrolled less than half time.

academic histories indicate academic difficulties may be required to take a reduced academic load.

Repeated Courses
A course can be repeated two times only. Thus, a given course can be taken three times at most (i.e., the first attempt of the course and two repeats of the same course). A student may repeat a course once without permission. The third attempt must be approved by the appropriate academic administrator; subsequent attempts are not permitted (visit the Standards of Academic Progress section). If a course is repeated, the highest grade earned is used for computing the CGPA. Withdrawal from a course being repeated does not affect the CGPA.

If the repeated course was previously completed with a D or higher, the course can be taken one additional time only and be counted toward the student's enrollment status for federal financial aid purposes. Subsequent attempts will not be counted toward the student's enrollment status and may result in a reduction of financial aid awards.

Prior to registering for a course previously attempted, students should contact a student support advisor to determine how their financial assistance may be affected.

Note: Certain courses may not be repeated. Course descriptions for such courses note this restriction (visit the Course Descriptions section).

Note: Students taking Keller Graduate School of Management courses who must repeat a course for any reason are limited to one course repeat and must receive approval from the appropriate academic administrator to do so.

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 (visit the Academic Events section). 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 policy requirements should contact their professor or an academic dean as soon as possible.

Nonmatriculated students must adhere to DeVry's academic engagement policy.

DeVry does not have a leave-of-absence policy for its students.

Academic Events
Academic events are recorded for the purpose of determining academic engagement status. Academic engagement is monitored via academic events as defined below.

- In an online course, an academic event is the submission of a class assignment, participation in a discussion and/or activity, or completion of an assessment.
- In a blended/hybrid course, inclusive of connected classrooms, an academic event is the submission of a class assignment, participation in a discussion and/or activity, completion of an assessment or attendance/participation in the scheduled onsite class meeting.

Academic Engagement Drops
Students who never complete an academic event during the first two weeks of the session are dropped and precluded from requesting an extension. Students dropped from *all* courses because of lack of academic engagement are also dropped from courses in which they are enrolled for future sessions.

Academic and Professional Conduct
Students have a responsibility to maintain both the academic and professional integrity of the University, and to meet the highest standards of academic and professional conduct. Students are expected to do their own work on exams, class preparation and assignments, and to conduct themselves professionally when interacting with fellow students, faculty and staff. Students must also make equitable contributions to both the quality and quantity of work performed on group projects.

Academic and/or professional misconduct is subject to disciplinary action, including being placed on financial aid probation (academic probation), failing a graded course component, failing a course or being suspended or permanently expelled. Student academic misconduct includes, but is not limited to:

- Exams/quizzes – using unauthorized notes, looking at classmates' test papers or providing others with answers during exams/quizzes (including online exams/quizzes)
- Course assignments/projects – collaborating with others on assignments intended to be completed independently or submitting another student's work as one's own
- Research reports – plagiarizing (using others' ideas, words, expressions or findings without acknowledging the source)
- Online coursework – submitting work or threaded discussions under false pretenses or not in conformance with professor or DeVry authorship policies

Professional misconduct includes, but is not limited to, displaying disruptive behavior; using offensive verbal and/or written language, including symbols and emojis, during class participation or in electronic communication to faculty, staff and/or other students; bribing or threatening faculty, staff and/or other students; falsifying student records; attempting to improperly influence professors or University officials; and willfully or recklessly transferring computer viruses.

Last Date of Attendance
Academic engagement is monitored for all eight weeks of the session and recorded daily based on each academic event to ensure the last date of attendance is available for the purpose of determining the timeframe of attendance as well as the amounts of earned and unearned financial aid.

For online courses, academic events are tracked for the purpose of determining the last date of attendance.

For blended/hybrid courses, each scheduled class meeting is considered an academic event for the purpose of determining the last date of attendance.

Academic Engagement Warning
Students who do not complete an academic event for seven consecutive calendar days are sent an academic engagement warning notifying them 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 seven-day extension in which to complete an academic event by submitting a request to their professor. Students are limited to one extension request for each course during the session.

Reinstatement
Students 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 (visit the Standards of Academic Progress section).

Payment Period
The payment period is a period of enrollment for Title IV purposes. The payment period at DeVry is the student-centric period (visit the Student-Centric Period section), which is the student's semester.

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 to an appropriate academic administrator, verbally, by email or by submitting a request via the student portal. 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 (visit the Academic Engagement section). In addition, withdrawal requests for students who attend a blended/hybrid course, or who participate in an online course, after submitting and/or confirming a withdrawal request are considered to have revoked their withdrawal request.

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 7. 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

Religious Holiday Observance
Students who expect to miss classes or other course requirements because of their observance of a religious holiday will be provided reasonable accommodations to complete missed work. In order to be provided alternative accommodations, students must notify their professor of the need to be absent from class and/or miss a course requirement prior to the observance of the religious holiday(s). Students are encouraged to contact faculty as soon as they are aware that their religious holiday will conflict with class requirements. Students who notify their professor of the need for an accommodation will be provided an alternative assignment or extension to submit work after 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 8 of the session. For all other types of exams and quizzes, the professor and student agree upon an appropriate day and time to make up the missed exam or quiz.

Military Withdrawal
Regarding military withdrawals, special considerations are granted for:

- Active Duty, Reserve and National Guard students deployed or participating in required training for federal Active Duty service for their assigned period of service (Section 101 of Title 10) or in enlistee training/bootcamp.
- Students participating in state Active Duty or training for more than 14 consecutive days.

The student or designated officer in the student's chain of command must notify the student's student support advisor or registrar of a deployment situation that would require special

consideration. A brief overview of the DeVry University Military Deployment policy is available, as is additional information from a student support advisor.

Interruption of Study/Withdrawal
Students who must interrupt studies during a semester or who defer starting the next semester must follow the University's official withdrawal procedure, which includes completing loan exit counseling. Students who cannot complete required procedures should contact an academic administrator as soon as possible.

Resumption of Study
Students who resume after an interruption of studies should note that course availability may vary by session. Because program requirements may change periodically, an academic administrator will assess resuming students' academic records to determine whether an alternate plan of study is required. Alternate plans may result in additional coursework requirements and financial obligations.

Resuming students who have missed at least six consecutive sessions must request readmission through standard admission procedures. Students should reapply at least six weeks prior to the intended class start date. The University reserves the right to refuse admission or readmission to any applicant or student when it is deemed in the best interest of the University to do so or if the University determines the applicant may not be able to benefit from the University's instruction. Students wishing to be readmitted into the University may be required to submit an appeal or documentation. Admission to the University does not constitute automatic continuation in future semesters. The University reserves the right to refuse admission or continuation to any student.

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 Terminology
The U.S. Department of Education requires schools participating in federal student aid (FSA) programs to use the terms “financial aid warning” and “financial aid probation” when indicating students’ academic standing. These terms are used to indicate the academic standing of *all* students, including those not using FSA funds.

Criteria for determining financial aid warning and academic warning are identical; criteria for determining financial aid probation and academic probation are identical.

Standards of Academic Progress
Students must demonstrate satisfactory academic progress toward completing their academic programs by meeting DeVry’s established standards of academic progress in each of five specific measurable areas:

- Grade point averages
- Successful completion of transitional studies coursework
- Course repeats
- Maximum coursework allowed
- Pace of progress toward graduation, including withdrawal from all courses

Grade point averages and pace calculations used to determine academic standing are based on all courses the student completes while enrolled as an undergraduate, regardless of the level of courses. The calculation for maximum coursework allowed is based on the required credit hours of the student’s primary program. All areas of academic progress are evaluated at the end of each student’s semester/student-centric period, and academic standing is assigned according to the evaluation. A summary of academic progress standards follows. Students should consult a student support advisor for policy details.

Requirements for Students Starting the Semester in Good Standing
New students, and all other students who start the semester in good standing, are subject to requirements noted below.

Grade Point Averages: To remain in good academic standing, a student must maintain a CGPA of 2.00 or higher. If at the end of the semester the CGPA is below 2.00, the student is placed on financial aid warning (academic warning).

Successful Completion of Transitional Studies Coursework*:* To remain in good academic standing, a student must successfully complete all transitional studies coursework attempted. A student who attempts a transitional studies course and does not pass the course at some time during the semester is placed on financial aid warning (academic warning). A student who attempts the same transitional studies course twice in one semester and does not pass the course is dismissed. Required transitional studies coursework may affect program length and cost.

Course Repeats: To remain in good academic standing, a student must successfully complete all courses by the second attempt. A student who attempts a course a second time and at the end of the semester does not pass the course is placed on financial aid warning (academic warning). A student who attempts a course a third time and at the end of the semester does not pass the course is dismissed. Course repeats may affect program length and cost.

***Maximum Coursework Allowed**:* To remain in good academic standing, a student may attempt no more than 1.5 times the number of credit hours in the current program. A student who exceeds this maximum and has not graduated is dismissed.

Pace of Progress Toward Graduation, Including Withdrawal from All Courses: To remain in good academic standing, a student must earn credit toward graduation at a pace (rate of progress) that ensures successful program completion within the maximum coursework allowance. The pace of progress is the ratio of credit hours passed to credit hours attempted. Attempted semester credit hours include all enrolled courses and withdrawals as well as transfer and proficiency credit. Pace is measured using a specific percentage established for incremental ranges of attempted credit hours. In addition, at least one course must be completed during the semester. A student must ultimately pass at least 67 percent of attempted credit hours. A student who fails to maintain the minimum pace and has not graduated is placed on financial aid warning (academic warning). In addition, if the student withdraws from all courses during the semester, the student is placed on financial aid warning (academic warning).

Students starting the semester in good standing who do not meet all requirements are placed on financial aid warning (academic warning) or dismissed, as noted above. Students placed on financial aid warning (academic warning) may continue their studies for one semester without an appeal. However, these students should immediately seek academic advising and review all academic requirements carefully.

Students dismissed for failing to meet standards of academic progress may submit an academic appeal and may not continue their studies unless the appeal is approved (visit the Academic Appeal section). Students with approved appeals are placed on financial aid probation (academic probation) and must follow a predetermined academic plan.

Requirements for Students Starting the Semester on Financial Aid Warning (Academic Warning) or Financial Aid Probation (Academic Probation)
Students who start the semester on financial aid warning (academic warning) or financial aid probation (academic probation) are subject to the general requirements noted below.

- ***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 resolving your mitigating circumstances(s). If no supporting documentation is provided, you may be contacted to provide such documentation, which could delay review of your appeal.

Students must submit an academic appeal no later than Tuesday of week 2 of the session following their semester/student-centric period for which the student is being evaluated for academic progress. However, students who do not submit an appeal within four days of the date of the dismissal notification will be dropped from courses in the session following the semester being evaluated for academic progress as well as from any future sessions in which they are 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 the Standards of Academic Progress section. Students on academic warning are eligible to receive veterans education benefits for their academic warning semester. If at the end of the academic warning semester such students do not return to good standing, they are dismissed and have their enrollment certifications terminated for unsatisfactory progress. Students who are dismissed for failing to meet standards of academic progress may appeal. Students may not continue their studies unless the appeal is approved.

Those with approved appeals are placed on financial aid probation (academic probation) and must follow a predetermined academic plan, visit the Requirements for Students Starting the Semester on Financial Aid Warning (Academic Warning) or Financial Aid Probation (Academic Probation) section. Students who do not successfully appeal their dismissals are dismissed and have their enrollment certifications terminated for unsatisfactory progress. The VA is notified of such dismissals.

Veteran students must notify the appropriate academic administrator/student support advisor immediately upon withdrawal from school or from a course. For students receiving veterans education benefits, DeVry notifies the VA of changes in student status within 30 days of the official last date of attendance.

Pursuit of Specializations
Students must declare a specialization according to the timeframe indicated for the chosen program. Students who wish to change or add a specialization may request to do so at any time; however, they are encouraged to submit a request for such as soon as possible. In general, requests received by Sunday of the first week of the session are effective that session. Specialization changes/additions are not applicable to sessions already completed. Students who wish to pursue more than one specialization must receive approval to do so from the appropriate academic administrator. No more than three specializations may be completed

within one degree program. Certain limitations may apply. All declared specializations must be completed prior to degree conferral.

Prior to graduation, students with declared specializations who subsequently wish to complete their degree program without fulfilling requirements for all declared specializations must request removal, from their student records, of the specialization(s) they no longer wish to pursue.

Pursuit of a Second Degree or Certificate
Students are awarded their degrees at the end of the session in which they satisfactorily met all graduation requirements. Those who wish to pursue a second DeVry degree may do so upon conferral of their first degree. Students can pursue degrees that are stackable within the same program simultaneously.

Students pursing two degrees at the same level must contact an appropriate academic administrator to determine an approved course of study that meets the combined requirements of both degrees. If both degrees are at the baccalaureate level, the course of study must contain at least 30 semester-credit hours beyond the length of the longer of the two programs. If both degrees are at the associate level, the course of study must contain at least 20 semester-credit hours beyond the length of the longer of the two programs.

Students may pursue a maximum of three undergraduate certificates without special approval. Students interested in pursuing more than three certificates must provide a written rationale for seeking the additional credential(s) to an appropriate academic administrator for approval. Students can enroll in only one certificate program at a time.

Note: Students may not pursue more than one bachelor’s degree in engineering technology.

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 following program residency requirements:
    - Earn 50 percent of total credit hours at DeVry for students pursuing an undergraduate certificate
    - Earn 30 of the program’s total credit hours at DeVry for students pursuing an associate degree
    - Earn 25 percent of the program’s total credit hours at DeVry for students pursuing a bachelor’s degree

Note: Higher program-specific 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 2 of the session immediately following the session in which they completed their final course requirements. The deadline for meeting certain requirements may be earlier. Requirements include – but are not limited to – ensuring that transcripts for transfer credit have been received by the University and resolving Incompletes and other outstanding grade issues. Students who fail to meet the graduation requirements deadline are granted their awards in the session in which any outstanding requirements are met.

Graduation candidates must fulfill all financial obligations to DeVry at least 30 days before commencement and complete loan exit counseling.

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 contact 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
DeVry University holds two commencement ceremonies each year – one in-person event and one virtual (online). In-person ceremonies are held in the Chicagoland area and include a live-stream option for friends and family unable to attend onsite. Students must meet all graduation requirements to participate in commencement.

Specific dates and details about commencement ceremonies are available from a student support advisor or by emailing DeVry.CommencementQuestions@devry.edu.

Deployment Policy
DeVry University recognizes the many hardships military personnel and their families face every day. We understand that military students who are deployed away from their homes, families and their permanent duty stations may experience difficulties completing their education goals and course requirements.

We encourage military students to continue their education and assure them that DeVry University will remain flexible and responsive to their needs. In support of our deployed

students, we have adopted a deployment policy for all Active Duty, Reserve and National Guard students deployed or participating in required training. For this policy:

- Qualifying service in the U.S. Armed Forces includes Active Duty, Active Duty for training, and full-time National Guard duty under federal or state authority.
- Qualifying service includes state Reserve and Guard service, and mandated state training, for more than 14 consecutive days.

Financial Information

Tuition

Tuition charges are calculated each session per credit hours enrolled, and tuition is assessed each session for a given semester. Matriculating and nonmatriculating students are charged $514 per credit hour. Total program costs for students enrolling in the July 2025 through May 2026 sessions are shown in the tuition tables; rates are subject to change.

A $30 application fee must accompany the application. Tuition, as well as fees and expenses payable to DeVry, must be paid in advance of each term unless a student will be using a DeVry payment option (visit the Payment Options section). Payment may be made by check, credit card or third-party financing, including financial aid.

For tuition and refund purposes, the term of attendance is defined as the actual number of complete or partial sessions a student has attended DeVry. Thus, the initial term of attendance, regardless of program or course level, is considered the first term. Students returning to DeVry after having missed six or more session registrations must reapply and sign a new enrollment agreement. A second application fee is not required.

DeVry reserves the right to change tuition rates at any time; increases are announced within a reasonable timeframe of at least 30 days before the beginning of the effective term.

Tuition is assessed according to the student's primary program of enrollment. A student's first program of study is considered the primary program unless the student requests a program change.

Note: Students may participate in only one DeVry-based grant or group pricing program. If students qualify for more than one such program, the one most beneficial is awarded. Prior to starting classes at DeVry, students who qualify for and prefer a different grant or group pricing program must confirm, in writing, the alternate program in which they wish to participate. In rare cases, grant or group tuition pricing programs are combinable. Students are made aware of such opportunities by their admissions advisor/representative or student support advisor.

Military Tuition

U.S. military personnel serving in any of the five branches of the U.S. Armed Forces (including National Guard and Reserves), and their spouses, are eligible for DeVry's military pricing of $250 per credit hour.

The application fee is waived for these individuals. Fees and textbook and equipment expenses are charged at the standard rate. Additional information and requirements are available from DeVry admissions advisors/representatives.

Undergraduate Alumni Benefit

DeVry and Keller Graduate School of Management alumni may be eligible to receive 15 percent tuition savings while studying in a qualifying DeVry undergraduate certificate, or associate or bachelor's degree, program.

The application fee is waived for alumni who hold a qualifying DeVry University credential, as well as for their family members who enroll in undergraduate programs. Fees and textbook and equipment expenses are charged at the standard rate.

Additional information and requirements are available from DeVry admissions advisors/representatives.

Expenses
Note: DeVry reserves the right to change fees and charges at any time without notice. DeVry receives administrative and service fees from its graduation regalia supplier and uses these fees to cover student activities costs, including graduation expenses. DeVry also receives administrative and service fees from textbook suppliers and bookstore operations and uses these fees to cover expenses associated with selecting and ordering textbooks and e-learning materials.

Course Resource
A required nonrefundable fee of $60 per course is charged to matriculating and nonmatriculating students to cover expenses associated with tutorials, simulations, study guides, electronic book hosting and access to online library technologies. This fee is refunded in accordance with state requirements, if applicable.

Learning Management System
New and readmitted matriculating and nonmatriculating students are charged a required one-time-per-enrollment learning management system (LMS) access fee of $400. This fee is refunded for students who withdraw from all courses during the session in which the LMS fee was assessed. In such cases, the LMS fee is assessed the next session in which the student registers.

Through the LMS, students can easily access course materials, complete assignments, and collaborate with faculty and classmates.

Nonsufficient Funds Check
Because returned checks create administrative costs, a $10 fee is added to students' balances for each returned check. Students with three or more such occurrences must pay their tuition with either a money order or a cashier's check and are not eligible for subsequent tuition deferrals

Official Transcript Request
An electronic transcript is sent to students automatically, at no charge, upon graduation. Students and alumni are charged $10 for each electronic transcript and $15 for each paper transcript. Students must submit requests for official transcripts via DeVry's student portal.

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

Parking
To park in parking lots at some DeVry locations, students may be charged a nonrefundable fee not to exceed $60 per vehicle, per session. Students should contact Student Central for details. Vehicles not authorized for parking may be towed.

Student Services
A required nonrefundable charge of $40 per session is assessed to matriculating and nonmatriculating students to cover expenses such as those associated with computer hardware and software upgrades; library enhancements; use of – and enhancements to – labs, printers,

mobile applications, the student portal and email services; student activities and services; and graduation.

Student Tuition Recovery Fund

The State of California established the Student Tuition Recovery Fund (STRF) to relieve or mitigate economic loss suffered by a student in an educational program at a qualifying institution, who is or was a California resident while enrolled, or was enrolled in a residency program, if the student enrolled in the institution, prepaid tuition, and suffered an economic loss. Unless relieved of the obligation to do so, you must pay the state-imposed assessment for the STRF, or it must be paid on your behalf, if you are a student in an educational program, who is a California resident, or are enrolled in a residency program, and prepay all or part of your tuition.

You are not eligible for protection from the STRF and you are not required to pay the STRF assessment if you are not a California resident, or are not enrolled in a residency program.

It is important that you keep copies of your enrollment agreement, financial aid documents, receipts, or any other information that documents the amount paid to the school. Questions regarding the STRF may be directed to the Bureau for Private Postsecondary Education, 1747, North Market Blvd., Suite 225, Sacramento, CA 95834, 916.574.8900 or 888.370.7589.

To be eligible for STRF, you must be a California resident or enrolled in a residency program, prepaid tuition, paid or deemed to have paid the STRF assessment, and suffered an economic loss as a result of any of the following:

1. The institution, a location of the institution, or an educational program offered by the institution was closed or discontinued, and you did not choose to participate in a teach-out plan approved by the Bureau or did not complete a chosen teach-out plan approved by the Bureau.
2. You were enrolled at an institution or a location of the institution within the 120-day period before the closure of the institution or location of the institution, or were enrolled in an educational program within the 120-day period before the program was discontinued.
3. You were enrolled at an institution or a location of the institution more than 120 days before the closure of the institution or location of the institution, in an educational program offered by the institution as to which the Bureau determined there was a significant decline in the quality or value of the program more than 120 days before closure.
4. The institution has been ordered to pay a refund by the Bureau but has failed to do so.
5. The institution has failed to pay or reimburse loan proceeds under a federal student loan program as required by law, or has failed to pay or reimburse proceeds received by the institution in excess of tuition and other costs.
6. You have been awarded restitution, a refund, or other monetary award by an arbitrator or court, based on a violation of this chapter by an institution or representative of an institution, but have been unable to collect the award from the institution.
7. You sought legal counsel that resulted in the cancellation of one or more of your student loans and have an invoice for services rendered and evidence of the cancellation of the student loan or loans.

To qualify for STRF reimbursement, the application must be received within four (4) years from the date of the action or event that made the student eligible for recovery from STRF.

A student whose loan is revived by a loan holder or debt collector after a period of 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.

Textbooks, Supplies and Specialized Equipment
Using DeVry-specified electronic and hard-copy textbooks is integral to successful course completion. Students can purchase electronic and hard-copy textbooks from an outside source, but they must purchase the books specified by DeVry. Some courses may require purchase of additional technology and software supplies. Students must also purchase the additional supplies specified by DeVry. Textbooks and supplies may be purchased from the DeVry University bookstore. Per-session costs for undergraduate certificate programs, and for associate and bachelor's degree programs, are noted below.

- **Matriculating Students:** Costs for electronic and hard-copy textbooks, as well as for supplies and specialized equipment, vary by program. Average estimated per-session expenses for matriculating students, based on normal program completion time, are listed below by program type.
- **Nonmatriculating Students:** Costs for nonmatriculating students vary by course.

Note: Course syllabi outline required electronic and hard-copy textbooks, supplies and specialized equipment, and students' billing statements show associated costs. Supplies may include, but are not limited to, access codes, course kits and other miscellaneous items.

Costs for all textbooks are subject to change based on publishers' prices.

Most courses require e-books, which are digital versions of printed books that can be read on a computer and, in most cases, on other electronic devices such as tablets and smartphones. Courses not requiring an e-book may require a hard-copy textbook.

Students enrolled in courses in which an e-book is used are charged $40 for the e-book. Students enrolled in a course using multiple e-books are charged one $40 fee only. E-books are deemed required when integrated directly into the course; students cannot opt out of these e-books. When an e-book is not directly integrated into a course, students may opt out of the e-book provided by DeVry and can request a $40 e-book fee credit. Students must request such credit for each course by the end of week 1 of the session and can do so via the bookstore. Students who order a print textbook, or who otherwise print the e-book, are not eligible for the $40 e-book fee credit. The ability to request a credit provides students the opportunity to obtain the e-book elsewhere; however, the e-book is still integral to course completion.

Black-and-white, soft-cover printed versions of certain e-books may be available at an additional cost for students who want printed textbooks as well as e-books. These optional printed e-books are equivalent to textbooks. More information is available from the bookstore.

- **Certificate Programs**
  - *$70 Per Session*
    - Website Design
    - Website Development
  - *$100 Per Session*
    - Accounting
    - Business Essentials
    - Data Mining & Analytics
    - Engineering Technology
    - Programming Essentials
    - Project Management
    - Software Design & Solutions
    - Web & Mobile Application Development
  - *$175 Per Session*
    - Cloud Computing
    - Cyber Security
    - Information Technology Essentials
    - Internet of Things
    - Medical Billing & Coding
    - Medical Billing & Coding – HIC
    - Networking Essentials

- **Associate Degree Programs**
  - *$100 Per Session*
    - Business
  - *$175 Per Session*
    - Cybersecurity & Networking
    - Engineering Technology
    - Health Information Technology
    - Information Technology & Networking

- **Bachelor's Degree Programs**
  - *$100 Per Session*
    - Accounting
    - Business Administration
    - Healthcare Administration
    - Technical Management
  - *$175 Per Session*
    - Business Management
    - Computer Information Systems
    - Cybersecurity & Networking
    - Engineering Technology
    - Information Technology & Networking
    - Software Development

Failure to Fulfill Financial Obligations
Enrollment for a subsequent term may be denied to students who fail to fulfill their financial obligations. Students may be dismissed for failing to pay tuition, federal student loans or other charges. Career services assistance may also be withheld. In all cases, students remain responsible for tuition and other charges incurred, in accordance with DeVry's cancellation and refund policy.

F-1 Student Tuition Deposits, Payments and Transfer-Out Fees
F-1 students do not qualify for Title IV funding (financial aid) and are therefore classified as full-cash students. It is F-1 students' responsibility to ensure all financial obligations are met prior to the start of every session. F-1 students should contact their Designated School Official or location contact if they have questions related to tuition payments.

Tuition Deposit F-1 Initial I-20 Applicants
A refundable tuition deposit equivalent to the cost of 12 semester-credit hours, charged at the current standard tuition rate, is required from F-1 Initial I-20 applicants prior to entering their first semester at DeVry. The deposit is due after an applicant's F-1 visa has been approved by the U.S. consulate or embassy abroad and prior to the applicant's entry into the United States. The tuition deposit is applied to tuition charged for the student's first semester and refunded (less fees) if the applicant subsequently cancels enrollment. Regarding tuition payments:

- ***F-1 Transfer and Change of Status I-20 Applicants:*** A tuition payment equivalent to the cost of 6 credit hours for the session, charged at the current standard tuition rate, is required from F-1 Transfer and Change of Status I-20 applicants. This payment is due prior to the start of their first session and is required before registering for classes.
- ***F-1 Continuing Students:*** Payments for tuition and fees must be made by Friday of week 8, prior to the start of a new session. No exceptions will be made in reference to this policy. Future balances must be paid in full for the upcoming session for which the F-1 student is enrolled.

Note: Failure to make full payment prior to the start of a session makes F-1 applicants/students ineligible for enrollment in that particular session. Failure to enroll in classes causes applicants/students to fall out of status and may result in termination of their Student and Exchange Visitor Information System (SEVIS) record.

Transfer-Out Fee for F-1 Students
Beginning at the time Form I-20 is issued, F-1 students seeking to transfer from DeVry University to another SEVP-certified institution prior to completing their program are charged a **$250 administrative fee**. DeVry is responsible for overseeing the SEVIS record, which must be transferred when students change schools. The administrative fee applies to students seeking external transfer only. The fee does not apply to students seeking transfer to a different DeVry location.

DeVry University Undergraduate Tuition, Fees and Expenses Effective July 2025 Session Through May 2026 Session: Degree Program Students Except Those in California and Onsite Students in New Jersey

Tuition is assessed each session for a given semester. The per-credit-hour tuition rate shown applies to students enrolling in DeVry's July 2025 through May 2026 sessions. The tuition rate for military students is found in the Military Tuition section of DeVry's undergraduate academic catalog.

Bachelor's Degree Programs[1]	Minimum Credit Hours	Tuition Per Credit Hour	Total Tuition	Fees[2]	Textbook and Equipment Expense[3]	Total Program Cost[4]
Accounting	120	$514	$61,680	$3,440	$1,600	$66,750
Business Administration	124	$514	$63,736	$3,440	$1,600	$68,806
Business Management	122	$514	$62,708	$3,440	$2,800	$68,978
Computer Information Systems	124	$514	$63,736	$3,440	$2,800	$70,006
Cybersecurity & Networking	124	$514	$63,736	$3,440	$2,800	$70,006
Engineering Technology	126	$514	$64,764	$3,440	$2,800	$71,034
Healthcare Administration	121	$514	$62,194	$3,060	$1,400	$66,684
Information Technology & Networking	120	$514	$61,680	$3,440	$2,800	$67,950
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[1]	**Minimum Credit Hours**	**Tuition Per Credit Hour**	**Total Tuition**	**Fees[2]**	**Textbook and Equipment Expense[3]**	**Total Program Cost[4]**
Business	61	$514	$31,354	$1,920	$800	$34,104
Cybersecurity & Networking	62	$514	$31,868	$1,920	$1,400	$35,218
Engineering Technology	64	$514	$32,896	$1,920	$1,400	$36,246
Health Information Technology	61	$514	$29,812[5]	$1,920	$1,400	$33,162
Information Technology & Networking	60	$514	$30,840	$2,300	$1,750	$34,920

[1] Program availability varies by location and delivery method.
[2] Includes course resource fee averaging $150 per session, one-time-per-enrollment $400 learning management system (LMS) access fee and nonrefundable student services charge of $40 per session.
[3] Average estimated per-session textbook and equipment expenses for full-time students vary by program and range from $70-$175. Visit the Textbooks, Supplies and Specialized Equipment section for details.
[4] For matriculating students at current tuition rates, credit hours shown and full-time attendance; includes $30 application fee; nonrefundable student services charge, average estimated course resource fee, LMS access fee, and average estimated textbook and equipment expense.
[5] Reflects one three-credit-hour course provided at no tuition charge and intended to be taken in the final session.

DeVry University Undergraduate Tuition, Fees and Expenses Effective July 2025 Session Through May 2026 Session: Undergraduate Certificate Program Students Except Those in California and Onsite Students in New Jersey

Tuition is assessed each session for a given semester. The per-credit-hour tuition rate shown applies to students enrolling in DeVry's July 2025 through May 2026 sessions. The tuition rate for military students is found in the Military Tuition section of DeVry's undergraduate academic catalog.

Undergraduate Certificate Program[1]	Minimum Credit Hours	Tuition Per Credit Hour	Total Tuition	Fees[2]	Textbook and Equipment Expense[3]	Total Program Cost[4]
Accounting	24	$514	$12,336	$1,160	$400	$13,926
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	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	31	$514	$14,392[5]	$1,350	$875	$16,647
Medical Billing & Coding – Health Information Coding	40	$514	$19,018[5]	$1,730	$1,225	$22,003
Networking Essentials	23	$514	$11,822	$1,350	$875	$14,077
Programming Essentials	22	$514	$11,308	$1,350	$500	$13,188
Project Management	32	$514	$16,448	$1,350	$500	$18,328
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] Includes course resource fee averaging $150 per session, one-time-per-enrollment $400 learning management system (LMS) access fee and nonrefundable student services charge of $40 per session.
[3] Average estimated per-session textbook and equipment expenses for full-time students vary by program and range from $70-$175. Visit the Textbooks, Supplies and Specialized Equipment section for details.
[4] For matriculating students at current tuition rates, credit hours shown and full-time attendance; includes $30 application fee; nonrefundable student services charge, average estimated course resource fee, LMS access fee, and average estimated textbook and equipment expense.
[5] Reflects one three-credit-hour course provided at no tuition charge and intended to be taken in the final session.

DeVry University Undergraduate Tuition, Fees and Expenses Effective July 2025 Session Through May 2026 Session: Degree Program Students in California

Tuition is assessed each session for a given semester. The per-credit-hour tuition rate shown applies to students enrolling in DeVry's July 2025 through May 2026 sessions. The tuition rate for military students is found in the Military Tuition section of DeVry's undergraduate academic catalog.

Bachelor's Degree Program[1]	Minimum Credit Hours	Tuition Per Credit Hour	Total Tuition	Fees[2]	Textbook and Equipment Expense[3]	STRF[4]	Total Program Cost[5]
Accounting	120	$514	$61,680	$3,440	$1,600	$0	$66,750
Business Administration	124	$514	$63,736	$3,440	$1,600	$0	$68,806
Business Management	122	$514	$62,708	$3,440	$2,800	$0	$68,978
Computer Information Systems	124	$514	$63,736	$3,440	$2,800	$0	$70,006
Cybersecurity & Networking	124	$514	$63,736	$3,440	$2,800	$0	$70,006
Engineering Technology	126	$514	$64,764	$3,440	$2,800	$0	$71,034
Healthcare Administration	121	$514	$62,194	$3,060	$1,400	$0	$66,684
Information Technology & Networking	120	$514	$61,680	$3,440	$2,800	$0	$67,950
Software Development	120	$514	$61,680	$3,440	$2,800	$0	$67,950
Technical Management	122	$514	$62,708	$3,440	$1,600	$0	$67,778
Associate Degree Programs[1]	**Minimum Credit Hours**	**Tuition Per Credit Hour**	**Total Tuition**	**Fees[2]**	**Textbook and Equipment Expense[3]**	**STRF[4]**	**Total Program Cost[5]**
Business	61	$514	$31,354	$1,920	$800	$0	$34,104
Cybersecurity & Networking	62	$514	$31,868	$1,920	$1,400	$0	$35,218
Engineering Technology	64	$514	$32,896	$1,920	$1,400	$0	$36,246
Health Information Technology	61	$514	$29,812[6]	$1,920	$1,400	$0	$33,162
Information Technology & Networking	60	$514	$30,840	$2,300	$1,750	$0	$34,920

[1] Program availability varies by location and delivery method.
[2] Includes course resource fee averaging $150 per session, one-time-per-enrollment $400 learning management system (LMS) access fee and nonrefundable student services charge of $40 per session.
[3] Average estimated per-session textbook and equipment expenses for full-time students vary by program and range from $70-$175. Visit the Textbooks, Supplies and Specialized Equipment section for details.
[4] The Student Tuition Recovery Fund (STRF) is a nonrefundable California state-imposed assessment DeVry collects from students and remits on behalf of California residents enrolled in an online program at DeVry and students enrolled at a DeVry location in California. The STRF fee is currently $0.
[5] For matriculating students at current tuition rates, credit hours shown and full-time attendance; includes $30 application fee; nonrefundable student services charge, average estimated course resource fee, LMS access fee, and average estimated textbook and equipment expense; does not include STRF assessment (visit footnote 4).
[6] Reflects one three-credit-hour course provided at no tuition charge and intended to be taken in the final session.

DeVry University Undergraduate Tuition, Fees and Expenses Effective July 2025 Session Through May 2026 Session: Undergraduate Certificate Program Students in California

Tuition is assessed each session for a given semester. The per-credit-hour tuition rate shown applies to students enrolling in DeVry's July 2025 through May 2026 sessions. The tuition rate for military students is found in the Military Tuition section of DeVry's undergraduate academic catalog.

Undergraduate Certificate Program[1]	Minimum Credit Hours	Tuition Per Credit Hour	Total Tuition	Fees[2]	Textbook and Equipment Expense[3]	STRF[4]	Total Program Cost[5]
Accounting	24	$514	$12,336	$1,160	$400	$0	$13,926
Business Essentials	25	$514	$12,850	$1,160	$400	$0	$14,440
Cloud Computing	40	$514	$20,560	$1,540	$1,050	$0	$23,180
Cyber Security	40	$514	$20,560	$1,920	$1,400	$0	$23,910
Data Mining & Analytics	43	$514	$22,102	$1,920	$800	$0	$24,852
Engineering Technology	39	$514	$20,046	$1,540	$600	$0	$22,216
Information Technology Essentials	23	$514	$11,822	$1,350	$875	$0	$14,077
Internet of Things	40	$514	$20,560	$1,540	$1,050	$0	$23,180
Medical Billing & Coding	31	$514	$14,392[6]	$1,350	$875	$0	$16,647
Medical Billing & Coding – Health Information Coding	40	$514	$19,018[6]	$1,730	$1,225	$0	$22,003
Networking Essentials	23	$514	$11,822	$1,350	$875	$0	$14,077
Programming Essentials	22	$514	$11,308	$1,350	$500	$0	$13,188
Project Management	32	$514	$16,448	$1,350	$500	$0	$18,328
Software Design & Solutions	42	$514	$21,588	$1,920	$800	$0	$24,338
Web & Mobile Application Development	43	$514	$22,102	$1,920	$800	$0	$24,852
Website Design	36	$514	$18,504	$1,540	$420	$0	$20,494
Website Development	38	$514	$19,532	$1,540	$420	$0	$21,522

[1] Program availability varies by location and delivery method.
[2] Includes course resource fee averaging $150 per session, one-time-per-enrollment $400 learning management system (LMS) access fee and nonrefundable student services charge of $40 per session.
[3] Average estimated per-session textbook and equipment expenses for full-time students vary by program and range from $70-$175. Visit the Textbooks, Supplies and Specialized Equipment section for details.
[4] The Student Tuition Recovery Fund (STRF) is a nonrefundable California state-imposed assessment DeVry collects from students and remits on behalf of California residents enrolled in an online program at DeVry and students enrolled at a DeVry location in California. The STRF fee is currently $0.
[5] For matriculating students at current tuition rates, credit hours shown and full-time attendance; includes $30 application fee; nonrefundable student services charge, average estimated course resource fee, LMS access fee, and average estimated textbook and equipment expense; does not include STRF assessment (visit footnote 4).
[6] Reflects one three-credit-hour course provided at no tuition charge and intended to be taken in the final session.

DeVry University Undergraduate Tuition, Fees and Expenses Effective July 2025 Session Through May 2026 Session: Onsite Degree Program Students in New Jersey

Tuition is assessed each session for a given semester. The per-credit-hour tuition rate shown applies to students enrolling in DeVry's July 2025 through May 2026 sessions. The tuition rate for military students is found in the Military Tuition section of DeVry's undergraduate academic catalog.

Bachelor's Degree Program[1]	Minimum Credit Hours[2]	Tuition Per Credit Hour	Total Tuition	Fees[3]	Textbook and Equipment Expense[4]	Total Program Cost[5]
Business Administration	127	$514	$65,278	$3,440	$1,600	$70,348
Computer Information Systems	124	$514	$63,736	$3,440	$2,800	$70,006
Technical Management	122	$514	$62,708	$3,440	$1,600	$67,778

[1] Program availability varies by location.
[2] Includes credit hours required in Personal and Professional Development courses, which are awarded institutional credit only.
[3] Includes course resource fee averaging $150 per session, one-time-per-enrollment $400 learning management system (LMS) access fee and nonrefundable student services charge of $40 per session.
[4] Average estimated per-session textbook and equipment expenses for full-time students vary by program and range from $70-$175. Visit the Textbooks, Supplies and Specialized Equipment section for details.
[5] For matriculating students at current tuition rates, credit hours shown and full-time attendance; includes $30 application fee; nonrefundable student services charge, LMS 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 (visit the Payment Options section).

The first step toward qualifying for these programs is completing the Free Application for Federal Student Aid (FAFSA®), which serves as an application for all federal – and most state – student aid programs. The FAFSA® can be completed electronically via https://studentaid.gov/h/apply-for-aid/fafsa and should be completed as early as possible each year.

The FAFSA® generally becomes available October 1 each year. The 2025-2026 FAFSA® became available in December 2024. Though the application period runs through June 30 the following year, students are encouraged to apply for financial aid every year by the priority deadline, March 1, as funding for certain aid programs is awarded on a first-come, first-served basis and may be exhausted. For specific deadlines for 2025-2026 federal and state aid visit https://studentaid.gov/apply-for-aid/fafsa/fafsa-deadlines.

Students should complete the 2025-2026 FAFSA® using 2023 income tax information. The 2025-2026 FAFSA® became available in December 2024.

2025-2026 FAFSA® information is used to determine the Student Aid Index (SAI), and eligibility for federal and state financial aid. Financial aid eligibility is calculated by subtracting the SAI and Other Financial Assistance (OFA) from the total estimated education expenses.

Assistance packages are developed using FAFSA® information and any supplemental documents. Contributions from student and family income and assets form the foundation for all assistance packages. DeVry provides students with award letters indicating the amount of financial aid for which they may be eligible, sources from which the aid may be received as well as approval of their DeVry University payment plan option.

The timing of financial aid disbursements is dependent on specific program requirements. For awards to be disbursed, the following requirements must be met:

- All paperwork required to process awards – including promissory notes, and verification and residency documents – must be submitted.
- Students must be enrolled in class.
- First-time borrowers at DeVry must complete loan-entrance counseling.
- Students transferring to DeVry must provide official transcripts for University verification.

Disbursements occur throughout the session, generally beginning Saturday of week 1 of classes. Disbursement is based on each student's account information. More information is available via the Student Finance tab on the University's student portal.

Retaking previously passed coursework may impact students receiving certain forms of financial assistance. Students who plan to retake a previously passed course should contact a DeVry student support advisor prior to registering for the course to determine if their financial aid will be affected.

Reinstated and readmitted students may be considered for financial aid if they meet all eligibility requirements.

DeVry complies with all applicable state and federal equal credit opportunity laws; however, DeVry does not guarantee financial assistance or credit to any student.

FAFSA® is a registered trademark of the U.S. Department of Education.

Financial Aid Information Verification
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, as well as 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, as well as parents of dependent 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 of their academic program; financial aid eligibility for coursework not applicable to the current program may be limited. Students who wish to replace/substitute a course in their current program must obtain prior approval for a course substitution in order for the course to be financial aid eligible.

Loan Exit Counseling
Federal student aid regulations require all borrowers to complete loan exit counseling for their Federal Direct and/or Federal Perkins Loans. Students must complete loan exit counseling when graduating, leaving DeVry or enrolling for fewer than six credit hours. Loan exit counseling notifications are provided to all identified students. DeVry contacts student borrowers via email or postal mail to advise them on how to complete loan exit counseling.

Federal Student Aid Programs
FAFSA® is a registered trademark of the U.S. Department of Education.

There are three categories of federal financial assistance:

- Grants are aid that does not need to be repaid.
- Loans are aid that must be repaid, but generally not until students have graduated or stopped attending school at least half-time.
- Federal Work-Study provides wage subsidy for part-time education-related, or student or community service, employment.

Students are eligible for aid if they:

- Are enrolled as regular students in an eligible program.
- Are U.S. citizens or eligible noncitizens.
- Demonstrate financial need.
- Make satisfactory academic progress toward completing their program.

- Are not in default on a Federal Perkins/NDSL, Federal Direct, Federal Stafford/FFEL, Federal SLS, Income Contingent Loan or Federal PLUS Loan received at any institution.
- Do not owe refunds on a Federal Pell Grant, FSEOG, Academic Competitiveness Grant, National SMART Grant or State Student Incentive Grant received at any institution.

To help students pay for postsecondary education, the U.S. Department of Education offers six primary federal financial aid programs. DeVry University is eligible to participate in all six, which are outlined below. More information on these programs is available by contacting a student support advisor or visiting DeVry's website.

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 postsecondary education for undergraduate students who have not previously earned bachelor's degrees. These grants provide a foundation of financial aid to which aid from other sources may be added. The maximum grant for the 2025-2026 award year is $7,395.

In accordance with the Higher Education Act, DeVry University allows all students to purchase books and supplies from the University's online bookstore and charge the expenses to their student accounts. Federal Pell Grant recipients who do not wish to purchase books and supplies from DeVry's online bookstore may qualify for a stipend to assist with these expenses. To determine stipend eligibility, students must complete the Books and Supplies Stipend Request form prior to the start of the session. More information is available from a DeVry student support advisor.

Federal Supplemental Educational Opportunity Grants (FSEOGs)
FSEOGs provide supplemental funds to Federal Pell Grant-eligible undergraduate students who demonstrate exceptional need. Exceptional need is defined as the lowest expected family contribution per federal need analysis methodology. Because FSEOG funds are limited, students should complete the FAFSA® as early as possible.

Federal Work-Study (FWS)
FWS enables students who demonstrate financial need to earn aid to pay for their education expenses. Students earn at least the current hourly minimum wage by working at the University, for nonprofit agencies, in jobs in community service or for for-profit businesses. DeVry helps eligible students locate jobs; certain restrictions apply. FWS earnings are exempt from the subsequent year's expected family contribution calculations. Students must complete the FAFSA® to be considered for FWS funds.

Federal Direct Subsidized and Unsubsidized Loans, and Federal Direct PLUS Loans
Loans through the Federal Direct Loan program are obtained from the U.S. Department of Education. These loans have an origination fee, which is subtracted from the value of each loan disbursement. For loans first disbursed between October 1, 2020, and September 30, 2026, origination fees are:

- Federal Direct Loans: 1.057 percent
- Federal Direct PLUS Loans: 4.228 percent

Additional information on Federal Direct Loans interest rates and fees is available via https://studentaid.gov/understand-aid/types/loans/interest-rates.

Federal Direct Loans
Students who demonstrate financial need qualify for a subsidy of the Direct Loan interest while in school and for the grace period (first six months after leaving school or dropping below half time). The portion of the loan that may be subsidized is limited to the lesser of their demonstrated financial need or the academic year maximum. Students who demonstrate financial need below the academic year maximum may also borrow through this program; however, they are responsible for the interest on the amount borrowed in excess of demonstrated need.

Undergraduate freshman, sophomore and junior/senior students enrolled at least half time may borrow subsidized and unsubsidized Federal Direct Loans. The table below includes amounts per grade level and loan type, as well as lifetime loan limits. The interest rate for subsidized and unsubsidized undergraduate Federal Direct Loans first disbursed on or after July 1, 2024, and before July 1, 2025, is fixed at 6.533 percent. The interest rate for subsidized and unsubsidized undergraduate Federal Direct Loans first disbursed on or after July 1, 2025, and before July 1, 2026, is fixed at 6.39 percent. Students begin repaying loans six months after ceasing to be enrolled at least half time. Monthly payments are based on aggregate borrowing; the minimum monthly payment is $50 per loan. Repayment is usually completed within 10 years. Students who leave school or drop below half-time status must contact their lenders to establish repayment schedules.

Grade Level	Subsidized Loans[1] Limit	Unsubsidized Loans Limit	Combined Subsidized and Unsubsidized Loans Limit per Academic Year	Lifetime Loans 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

Students must notify a DeVry student support advisor and their lender(s) of a change in local or permanent address.

Note: Students who obtain a student loan of any type to pay for an educational program are responsible for repaying the full amount of the loan, plus interest, less the amount of any refund (i.e., return of funds to the loan program). Their degree of success at DeVry University does not change this legal obligation.

[1] Subsidized loans are need-based.

Federal Direct PLUS Loans (Parent Loans)
These loans allow parents of students who are dependent by federal definition to borrow a maximum of education costs less financial aid per academic year (two semesters). The interest rate for Direct PLUS Loans first disbursed on or after July 1, 2024, and before July 1, 2025, is fixed at 9.083 percent. The interest rate for Direct PLUS Loans first disbursed on or after July 1, 2025, and before July 1, 2026, is fixed at 8.94 percent. 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.

DeVry's website offers more information on specific state-funded programs.

New Jersey Tuition Aid Grants (TAGs)
Degree-seeking students attending DeVry University in New Jersey who have lived in New Jersey at least 12 consecutive months (and, if dependent, whose parents are also New Jersey residents) may be considered for TAGs if they attend full time and have not already earned an associate or baccalaureate degree. TAG value is based on a student's financial need (as determined by the state formula), cost of attendance and funds available. Additional information on TAGs is available from a DeVry student support advisor.

Non-Federal Student Loans
Many lenders offer private loans to students to supplement their federal financial aid. Such loans are not subject to federal student loan rules. Terms of repayment, including interest rates, vary by loan. Lenders perform a credit check and determine a loan applicant's creditworthiness before approving these loans. In some cases, a loan applicant may be required to obtain a creditworthy cosigner before a loan will be approved. In most cases, having a cosigner improves the terms of the loan (i.e., lowers the interest rate and any fees charged to the loan). Additional information and application assistance are available from a DeVry student support advisor.

AmeriCorps
Education awards earned through service in AmeriCorps, a program enabling Americans to perform community service in local projects, may be used to help pay education costs. These awards also may be used to repay educational loans. Students may work on AmeriCorps-approved projects either full or part time, before, during or after attending a postsecondary institution. Further information is available via https://americorps.gov/serve.

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 (VA) requires DeVry to have and enforce standards of academic progress, to which all students must adhere. Failure to do so may result in loss of benefit eligibility until deficiencies are corrected. Students receiving VA benefits should visit the Additional Academic Progress Information for Students Receiving Veterans Education Benefits section. Questions regarding these requirements should be directed to the University's designated veterans point of contact.

Payment Options
Students' full account balances are due at the beginning of each session.

Though students may pay their full account balance in one payment, they may take advantage of one of the payment plans outlined below. Such students must submit a completed payment plan agreement. A new agreement is required should students wish to change plans.

Further information is available from a DeVry student support advisor. Delinquent payments may result in loss of payment plan privileges and registration holds.

Deferred Plan
Available to students using employer tuition reimbursement, and whose employers submit a tuition-reimbursement statement on students' behalf, the Deferred Plan enables tuition and fees to be deferred until Thursday of week 5 of the subsequent session.

Direct Bill Plan
Available to students for whom an employer or third party (e.g., state, VA, etc.) will be paying DeVry directly for tuition and fees, the Direct Bill Plan allows the employer or third party to delay full payment of tuition and fees until Friday of week 7 of the third subsequent session.

Students using a third-party form of payment (e.g., Chapter 33 Post 9/11 GI Bill®[2], Chapter 31 Veteran Readiness and Employment, state workforce programing, employer tuition coverage, etc.) will not be penalized by holds, interest or late fees while payment for the students' covered balance is pending receipt by the institution.

To enroll in the Direct Bill Plan, students must submit documentation of eligibility for the direct billing arrangement offered by their company or the third party. Acceptable documentation includes a:

- Certificate of Eligibility for entitlement to educational assistance under Chapters 33 or 31, or
- "Statement of Benefits" obtained from the Department of Veterans Affairs' website, www.va.gov, or
- VA Form 28-1905 for Chapter 31 authorization, or
- Completed Corporate Education Program form for all other third-party methods.

Enrollment in this payment plan does not eliminate students' responsibility to ensure tuition is paid by the due date (Friday of week 7 of the third subsequent session – 180 days) whether they are in active or inactive enrollment status.

[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.

Veterans Benefits and Transition Act
As part of the Veterans Benefits and Transition Act of 2018, section 3679 of title 38, effective August 1, 2019, and the Colonel John M. McHugh Tuition Fairness for Survivors Act of 2021, section 3679 of title 38, effective August 1, 2022, any DeVry University students using Chapter 33 Post 9/11 GI Bill®[3] or Chapter 31 Veteran Readiness and Employment will not be penalized by holds, interest or late fees while the VA Education Benefit payment is pending receipt for at least 90 days from the date tuition and fees were certified by the institution. DeVry University will not impose any penalty, including denial of access to classes, libraries or other institutional facilities, or the requirement that a covered individual borrow additional funds.

DeVry University also recommends that veterans education benefit recipients notify a student support advisor as soon as they become aware of a delay in anticipated payment.

DeVry Grants
Note: Students may participate in one DeVry-based grant or group pricing program only. If students qualify for more than one such program, the one most beneficial is awarded. Prior to starting classes at DeVry, students who qualify for and prefer a different grant or group pricing program must confirm, in writing, the alternate program in which they wish to participate. In rare cases grant or group tuition pricing programs are combinable. Students are made aware of such opportunities by their admissions advisor/representative or student support advisor.

Applicants may apply for DeVry University grants during the admissions process and should work with their admissions advisor/representative to do so.

Basic Scholarship and Grant Eligibility
To qualify for a DeVry University scholarship or grant, students must have met DeVry entrance requirements and applied for admission. They must also meet criteria outlined for each grant award. Additional criteria may also need to be met. Learn more by visiting the University's scholarships and grants web page.

General Scholarship and Grant Policies
- Recipients are responsible for all education expenses not provided for by their scholarship or grant.
- Applications for scholarships or grants must be received by Saturday of week 2 of the first session, unless otherwise noted in the criteria. Award recipients must start in the intended term specified on their admissions application. Recipients who do not start in their intended term have their award expired and must reapply for offerings available at the time of actual enrollment.
- DeVry scholarships and grants are applied to eligible charges outlined in the terms and conditions document provided to scholarship recipients.
- To qualify for scholarship and grant funds, students must meet continuing eligibility requirements outlined in the terms and conditions document sent to award recipients.
- Recipients must acknowledge receipt of the terms and conditions document pertaining to their specific scholarship and/or grant award. Disbursement of funds may be delayed until receipt of this document is acknowledged in writing and returned by recipients.
- Scholarship and grant recipients are expected to progress in a timely manner toward completing their program of enrollment. The registrar determines continued academic

[3] 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.

eligibility at the end of each semester of enrollment. To retain scholarship and grant eligibility, recipients must meet additional conditions outlined in the terms and conditions document sent to them.

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

Students may be enrolled in both high school and DeVry University when participating in these programs.

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

DeVry's Advantage Academy also enables students attending Towers High School in Georgia to take college courses and earn an undergraduate certificate in Programming Essentials while earning their high school diploma.

To learn more about admission requirements, contact:

- DeVry University Chicago Location
  1900 W. Lawrence Ave.
  Chicago, IL 60640
  773.929.8500
- DeVry University Decatur Location
  One West Court Square, Ste. 600
  Decatur, GA 30030
  404.270.2706

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

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

Opportunity for College Students – Bridge2Bachelor's
To help prospective students determine if they are a match for DeVry University's academic environment, DeVry offers its Bridge2Bachelor's program, which provides one complimentary

college-level course at DeVry University to qualified students enrolled in an associate degree program at a qualifying institution.

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

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

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

Cancellations & Refunds

Applicants who do not achieve a satisfactory score on DeVry's placement examinations are denied admission, notified in writing and receive a refund of prepaid tuition upon written request.

Applicants may cancel their enrollment without penalty prior to midnight of the 10th business day after the date of transaction or acceptance (cancellation period). **Note:** California residents may cancel their initial enrollment agreement without penalty or obligation at any time prior to midnight of the 10th business day following this transaction or through attendance at the first class meeting, whichever is later. 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 a DeVry admissions advisor/representative. If the student starts classes within six sessions of the original intended start date, a second application fee is not required. After this period, a new enrollment agreement must be signed and accompanied by required fees.

A student who does not report for class may request a refund of any monies paid to DeVry over and above the application fee, or as required by applicable state and/or federal regulations. Refunds on textbooks and supplies purchased through the University's online bookstore are made in accordance with the online bookstore's return/refund policy.

To receive a tuition adjustment, students must make all schedule changes by the end of week 1 of a session (add/drop period).

After classes begin, students may withdraw from a course by formally requesting a course withdrawal prior to Friday of week 7 at 11:59 pm MT. In addition, those receiving federal student loans must complete a loan exit interview with a student support advisor prior to withdrawing. Students who withdraw are responsible for all outstanding financial obligations.

Regarding cancellations, any prepaid fees or tuition are refunded unless the student transfers to another DeVry location.

In compliance with applicable requirements, DeVry issues refunds to students who withdraw from a course prior to completing a session. Refund calculations are based on week of withdrawal, DeVry's policy and the policy of the student's original state of residence. Of the refund amounts calculated, the one most favorable to the student is issued. In all cases, policies are applied to tuition charged for the period of enrollment from which the student withdrew.

Refunds are calculated according to the last documented date of attendance and issued within 30 days of the withdrawal notification date, or the date DeVry determines the student is no longer enrolled, whichever is earlier.

DeVry Refund Policy
At a minimum, refunds are calculated as follows:

Week of Withdrawal	Percent Refund of Tuition, Less Administrative Fee[1]
Week 1	90%
Week 2	75%
Week 3	25%
Weeks 4-8	0%

Refund policies vary by state and the most beneficial institutional or applicable state policy is used to calculate the tuition refund.

Alabama Refund Policy
Students residing in Alabama may cancel enrollment at any time by contacting a student support advisor or an appropriate academic administrator. Refunds of unearned prepaid tuition, fees, and other charges shall be made in the following manner within thirty (30) days of termination:

If cancellation occurs after classes begin, a pro rata refund will be made of all unearned prepaid tuition, fees, and charges for books and supplies not issued to the student. Once books and supplies are issued and received by students, these become the property of students and refunds may be made only at the discretion of the school.

California 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 nonrefundable (not to be more than $250.00), all amounts paid by the student in excess of what is owed as calculated shall be refunded. Except in the case when an institution provides a 100% refund, any assessment paid pursuant to the state tuition recovery fund is nonrefundable.

DeVry University shall also provide a pro rata refund of nonfederal student financial aid program moneys paid for institutional charges to students who have completed 60% (sixty percent) or less of the period of attendance.

If the student has received federal student financial aid funds, the student is entitled to a refund of monies not paid from federal student financial aid program funds. **Note:** if the student obtains a loan to pay for an educational program, the student will have the responsibility to repay the full amount of the loan plus interest, less the amount of any refund.

[1] The administrative fee is $50 per course.

DeVry University participates in the Title IV Federal Student Aid program as well as in financial aid programs in certain states. For consumer information, visit the University's Student Consumer Information web page.

If a student chooses to cancel their enrollment agreement or withdraw from classes they may do so at any time. However, after classes begin, students wanting to withdraw from a course must formally request a course withdrawal in writing prior to Friday of week 7 at 11:59 pm MST.

Colorado Refund Policy
Students residing in Colorado may cancel enrollment at any time. A pro rata refund will be calculated until the student completes sixty percent (60%) or more of the session in which they withdrew.

Florida Refund Policy
Students in the state of Florida will have tuition refunded using the University Institutional Refund Policy with the following exceptions:

- Students who withdraw during the add/drop period will be refunded all tuition and fees, as well as all funds paid for supplies, books, and equipment that can be, and are, returned to the institution.
- Refunds are calculated according to the last documented date of attendance and issued within 30 days of the withdrawal notification date or the date DeVry determines the student is no longer enrolled, whichever is earlier.
- Nonrefundable fees regarding admission and registration of Florida students shall not exceed $150.
    - The application fee of $30 is nonrefundable after 10 business days.
    - The student services charge of $40 per session is nonrefundable.
    - The Learning Management System access fee is nonrefundable if a student withdraws from all classes after week 7 of the session in which the fee was assessed.
    - The course resource fee is nonrefundable if a student withdraws from the course for which the fee was assessed.
    - After the add/drop period, students are assessed a nonrefundable $50 administration fee for each course from which they withdraw.

Georgia Refund Policy
Students who have completed 50 percent or less of the session are entitled to a refund based on the proration of tuition and percentage of course completed at withdrawal, or as required by applicable state or federal laws and regulations, if more favorable to the student.

Fees
Institutions that charge for fees, books and supplies that are in addition to tuition must refund any unused portion of the fees if a student withdraws before completing 50 percent of the period of enrollment except for:

- Items that were specially ordered for a particular student and cannot be used or sold to another student.
- Items that were returned in a condition that prevents them from being used by or sold to new students.
- Nonrefundable fees for goods and/or services provided by third-party vendors.

Indiana Refund Policy
The postsecondary educational institution shall pay a refund to the student in the amount calculated under the refund policy specified in this section or as otherwise approved by the Board. The institution must make the proper refund no later than thirty-one (31) days from the student's request for cancellation or withdrawal.

After beginning classes, Indiana residents who withdraw from the school are entitled to the following refund amounts, less an enrollment fee of ten percent (10%) of the total tuition, not to exceed one hundred dollars ($100):

After Attending	Refund Amount
One week or less	90%
More than one week, but equal to or less than twenty-five percent (25%), of the program	75%
More than twenty-five percent (25%), but equal to or less than fifty percent (50%), of the program	50%
More than fifty percent (50%), but equal to or less than sixty percent (60%), of the program	40%
More than sixty percent (60%) of the program	0%

Iowa Refund Policy
A proprietary school shall refund all tuition charges to a student who withdraws within the first two calendar weeks of instruction. A proprietary school shall make a pro rata refund of tuition charges to a student who terminates from any of the school's postsecondary educational programs or courses after the first two calendar weeks in an amount that is not less than ninety-five percent of the amount of tuition charged to the student multiplied by the ratio of the number of calendar days remaining in the school period to the total number of calendar days in the school period. A refund of tuition charges shall be provided to the student within forty-five days following the date of the school's determination that a student has terminated from a postsecondary educational program. If a terminating student has completed sixty percent or more of a school period, the school offering the postsecondary educational program is not required to refund tuition charges to the student.

Kansas Refund Policy
Each student who has completed twenty-five percent (25%) or less of a course and withdraws shall be eligible for a pro rata refund. The completion percentage shall be based on the total number of calendar days in the course and the total number of calendar days completed. After a student has attended at least twenty-five percent (25%) of the course, tuition and fees shall not be refundable.

Kentucky Refund Policy
If a student withdraws from the university, the college shall refund an amount reasonably related to the period for which the student is not enrolled and shall refund one hundred percent (100%) of all other tuition and other fees collected by the college for subsequent enrollment or registration periods. After completion of fifty percent (50%) of the enrollment period, the college shall not be required to make refunds of tuition or other fees for that period.

Week of Withdrawal	Percent Refund
First day of scheduled classes	100%
Balance of week 1	90%
Week 2	75%
Week 3	25%
Week 4	25%
Weeks 5-8	0%

Louisiana Refund Policy
Students who withdraw prior to the first day of classes are entitled to a full refund of tuition and fees, less an application fee. Students withdrawing during the first 10 days of classes shall receive a minimum refund of seventy-five percent (75%) of total tuition and fees paid, excluding any nonrefundable application fees, less the maximally-allowable administrative fees retained by the institution. Students withdrawing from day 11 through day 24 of classes shall receive a minimum refund of fifty percent (50%) of total tuition and fees paid, excluding any nonrefundable application fees, less the maximally-allowable administrative fees retained by the institution. Students withdrawing from day 25 through the end of the session are ineligible to receive a refund.

Withdrawal Period	Percent Refund, Less Administrative Fee[2]
Days 1-10	75%
Days 11-24	50%
Day 25 through end of session	0%

Maryland Refund Policy
The minimum refund policy for Maryland residents enrolled in **online** programs is:

Portion of Session Completed as of Date of Withdrawal	Tuition Refund
Less than 10%	90%
10% up to, but not including, 20%	80%
20% up to, but not including, 30%	60%
30% up to, but not including, 40%	40%
40% up to, and including, 60%	20%
More than 60%	No refund

[2] The administrative fee will not exceed 15% of tuition.

Missouri Refund Policy
At a minimum, refunds are calculated as follows:

Week of Withdrawal	Percent Refund of Tuition, Less Administrative Fee[3]
First day of scheduled classes[4]	100%
Balance of week 1	90%
Week 2	75%
Weeks 3 and 4	25%
Weeks 5-8	0%

Students who never commence attendance in their course, or who drop prior to the start of the term, are refunded 100% of tuition and fees.

Nevada Refund Policy
If the institution has substantially failed to furnish the program agreed upon in the enrollment agreement, the institution shall refund all money that the student has paid. “Substantially failed to furnish” includes canceling or changing a training program agreed upon in the enrollment agreement without offering the student a fair chance to complete the same program or another program with a demonstrated possibility of placement equal to or higher than the possibility of placement of the program in which the student is enrolled within approximately the same period at no additional cost; or obtaining the written agreement of the student to the specified changes and a statement that the student is not being coerced or forced into accepting the changes unless the cancellation or change of a program is in response to a change in the requirements to enter an occupation.

If a student cancels their enrollment before the start of the program, the institution shall refund all money that the student has paid, minus 10 percent of the tuition or $150, whichever is less. If a student withdraws or is expelled after the start of the program and before the completion of more than 60 percent of the program, the institution shall refund the student a pro rata amount of the tuition minus 10 percent of the tuition or $150, whichever is less.

If a student withdraws or is expelled by the institution after completion of more than 60 percent of the term, the institution is not required to refund the student any money and may charge the student the entire cost of the tuition.

If a refund is owed, the institution shall issue the refund within 15 calendar days after the date of cancellation by a student, date of termination by the institution or the last day of attendance.

Books, educational supplies or equipment for individual use are not included in the policy described above. A separate refund must be paid by the institution to the student if those items were not used by the student. Disputes must be resolved by the administrator for refunds on a case-by-case basis.

[3] The administrative fee is $50 per course.
[4] Students who cancel their enrollment during this period also have their financial aid awards cancelled and any funds received returned to the funding source.

A period of a student's attendance must be measured from the first day of instruction through the student's last day of actual attendance, regardless of absences. The period of time for a program is the period set forth in the enrollment agreement. Tuition must be calculated using the tuition and fees set forth in the enrollment agreement and does not include books, educational supplies or equipment that are listed separately from the tuition and fees.

Nevada operates a student indemnification fund which may be used to indemnify any student or enrollee who has suffered damage as a result of the discontinuance of operation of a postsecondary educational institution licensed in Nevada or the violation by a Nevada institution of any provision of the Nevada Revised statutes (394.383 to 394.560) or the regulations adopted pursuant thereto. The existence of this account does not create a right in any person to receive money from the account.

Oklahoma Refund Policy

- First week: For a student who withdraws after starting school but within the first week, the tuition retained by the school will not exceed 10% of the contract price plus $150.00 but in no event more than $350.00.
- After first week: For a student who withdraws after one week but within the first 25% of the course, the tuition retained by the school will not exceed 25% of the contract price plus $150.00.
- After 25%: For a student who withdraws after completing over 25% but within 50% of the course, the tuition retained will not exceed 50% of the contract price plus $150.00.
- After 50%: A student completing more than 50% of the course is not entitled to a refund.

Oregon Refund Policy

After classes begin for a term, a student who withdraws from a course is eligible for a partial refund through the middle week of the term. Refunds shall be based on unused instructional time and shall be prorated on a weekly basis for schools using a semester, quarter or nontraditional calendar.

South Carolina Refund Policy

For students residing in South Carolina, DeVry University shall provide for a pro rata refund calculation pursuant to South Carolina Commission on Higher Education regulatory requirements. However, this does not apply to any student whose date of withdrawal is after the sixty (60) percent point (in time) in the period of enrollment for which the student has been charged.

Day of Withdrawal	Percent of Refund, Less Administrative Fee[5]
Days 1-7	80%
Days 8-14	70%
Days 15-21	60%
Days 22-28	50%
Days 29-33	30%
Day 34 through end of session	0%

[5] 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 and 4 of the term will receive a 50% refund, less the $30 application fee.
- A student who withdraws during weeks 5-8 of the term will receive a 0% refund.

Schools are required to issue refunds within twenty (20) days after receipt of a proper notification of termination from a student.

Wisconsin Refund Policy
DeVry University will provide a full refund of all monies paid by the student if either the student accepted was unqualified and the school did not secure a disclaimer, or the school procured the student's enrollment as the result of any false representations in the written materials used by the school or in oral representations made by or on behalf of the school.

A student who withdraws or is dismissed before completing sixty percent (60%) of the potential units of instruction in the current enrollment period, shall be entitled to a pro rata refund, less any amounts owed by the student for the current enrollment period, less a one-time application fee.

Pro rata refund shall be determined as the number of units remaining after the last unit completed by the student, divided by the total number of units in the enrollment period, rounded downward to the nearest 10 percent. Pro rata refund is the resulting percent applied to the total tuition and other required costs paid by the student for the current enrollment period. All efforts will be made to refund prepaid amounts for books, supplies, and other charges unless the student has consumed or used those items and they can no longer be used or sold to new students or returned by the school to the supplier.

No refund is required for any student who withdraws or is dismissed after completing sixty percent (60%) of the potential units of instruction in the current enrollment period unless a student withdraws due to mitigating circumstances, which are those that directly prohibit pursuit of a program and which are beyond the student's control.

Withdrawal Period	Percent Refund
Days 1-5	90%
Days 6-11	80%
Days 12-16	70%
Days 17-22	60%
Days 23-27	50%
Days 28-33	40%
Day 34 through end of session	0%

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 uses the last date of attendance as the withdrawal date.

Return of funds is calculated as follows:

- If the student's percentage of enrollment period completed is greater than 60 percent, the student has earned – and must repay – 100 percent of the federal aid received.
- If the student's percentage of enrollment period completed is 60 percent or less, the calculated percentage of enrollment is used to determine the amount of aid returned.

Return of funds occurs in the following order:

1. To the Federal Direct Unsubsidized Loan program
2. To the Federal Direct Subsidized Loan program
3. To the Federal Direct PLUS Loan program
4. To the Federal Pell Grant program
5. To the Iraq and Afghanistan Service Grant program
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 nondiscrimination applies to admission, enrollment, employment, and access to, and participation in, all University programs and activities.

In addition, DeVry complies with federal and state laws prohibiting discrimination and harassment based on the above characteristics and will not tolerate, condone or allow discrimination or harassment, whether engaged in by fellow students, faculty members, or non-faculty colleagues. Individuals who wish to file a discrimination or harassment complaint may contact:

- Sex and Gender-Based Complaints: Title IX Coordinator, TitleIX@devry.edu
- Disability Complaints: ADA/504 Coordinator, ADA@devry.edu
- All Other Classifications Complaints: Complaint Coordinator, Complaint.Coordinator@devry.edu

Individuals may also submit external inquiries to the U.S. Department of Education:

U.S. Department of Education
Office for Civil Rights
Lyndon Baines Johnson Department of Education Bldg.
400 Maryland Ave., SW, Washington, DC 20202-1100
Telephone: 800.421.3481
TDD: 800.877.8339
FAX: 202.453.6012
Email: OCR@ed.gov

Title IX Compliance

DeVry University's Title IX Coordinator is responsible for overseeing compliance of DeVry University's Title IX and Sexual Misconduct Policy. Questions regarding application of Title IX and compliance should be directed to the Title IX Coordinator. The Title IX Coordinator is also responsible for managing reports of sex and gender-based discrimination including, but not limited to, sexual harassment and sexual misconduct affecting the campus community. Students

who wish to make a report of sexual misconduct affecting the campus community should follow the procedures published on DeVry University's Title IX web page.

Paul Herbst
Title IX Coordinator
4225 Naperville Rd., Ste. 400, Lisle, IL 60563
TitleIX@devry.edu
630.960.8019

Leanne Brumley
Deputy Title IX Coordinator
4225 Naperville Rd., Ste. 400, Lisle, IL 60532
TitleIX@devry.edu
630.799.9029

Drug-Free Schools and Communities Act
DeVry complies with the Drug-Free Schools and Communities Act and forbids use, possession, distribution or sale of drugs or alcohol by students, faculty or staff anywhere on University property. Anyone in violation of state, federal or local regulations, with respect to illegal drugs or alcohol, may be subject to both criminal prosecution and University disciplinary action.

Intellectual Property Rights
In accordance with the law of copyright, faculty-assigned student writings, including answer material for tests, projects, research papers and business plans prepared in connection with any course, are the property of DeVry University and may be used by the University for educational purposes.

Campus Crime and Security Act
DeVry complies with the Campus Crime and Security Act of 1990 and publishes the required campus crime and security report on October 1 of each year. A copy of the crime and security report can be obtained from the U.S. Department of Education's Campus Safety and Security Data Analysis website at https://ope.ed.gov/campussafety/#/.

Should students be witnesses to or victims of a crime, they should immediately report the incident to the local law enforcement agency. Emergency numbers are located throughout the University.

Safety Information
The security of all University members is a priority. Each year DeVry publishes a report outlining security and safety information, as well as crime statistics for the community. This report provides suggestions about crime prevention strategies as well as important policy information on emergency procedures, reporting of crimes and support services for victims of sexual assault. The report also contains information about DeVry's policy on alcohol and other drugs, and informs students where to obtain a copy of the alcohol and drug policy. This report is available at DeVry or by calling 800.73.DEVRY.

For students attending locations in New York, the Advisory Committee on Campus Safety will provide upon request all campus crime statistics as reported to the United States Department of Education.

Academic Freedom
DeVry University supports development of autonomous thought and respect for others' ideas. As such, members of the DeVry community, including students and colleagues, including full-time and part-time faculty, are free to discuss their questions and express their opinions both publicly and privately within the boundaries of the Code of Conduct and Colleague Handbook and other reasonable behavioral expectations, such as those included in other University policies.

Rules and Enrollment Conditions
All students are expected to observe DeVry University's Code of Conduct. A detailed listing of all student rights, privileges and responsibilities can be found in the student handbook.

DeVry expects mature and responsible behavior from students and strives to create and maintain an environment of social, moral and intellectual excellence. DeVry reserves the right to suspend or permanently expel students whose work or conduct is deemed unsatisfactory.

Explanations of the academic integrity policy, Code of Conduct, disciplinary process and institutional complaint procedures are provided in the student handbook.

Plagiarism Prevention
As part of our commitment to academic integrity, DeVry subscribes to an online plagiarism prevention system. Student work may be submitted to this system, which protects student privacy by assigning code numbers, not names, to all student work stored in its databases.

Graduation Rates
DeVry complies with the Student Right to Know Act and annually prepares the graduation rate of its degree-seeking, full-time undergraduate students who have graduated by the end of the 12-month period ending August 31, during which 150 percent of the normal time for graduation from their program has elapsed.

This information is available on the University's Student Consumer Information and Disclosures web page; from DeVry admissions staff, by calling 800.73.DEVRY; or by contacting a student support advisor.

Tardiness and Missed Class Time
Students enrolled in blended/hybrid courses (visit the Course Delivery section) are expected to be present at the beginning of, and throughout, each class meeting.

Excessive tardiness and/or early class departure may affect students' ability to master course material, and professors may consider time in class when computing students' grades.

This policy does not apply to students enrolled in online courses.

Disciplinary Action
A student who has potentially breached the University's rules or conduct standards is referred to the designated conduct administrator (visit the student handbook). The conduct administrator will proceed according to the University's student Code of Conduct, published in the student handbook. The Code of Conduct defines the University's conduct standards and provides a process that allows for notice to the student, an opportunity to respond and participate in the

process, and an opportunity to appeal. Sanctions that may be imposed as the result of a Code of Conduct proceeding are also listed in the published Code of Conduct.

Note: A notation is applied to the transcripts of online students who reside in New York, and to students enrolled at New York locations, who are found responsible for certain code of conduct violations or who withdraw during certain code of conduct violation proceedings.

Rescinding Award Conferrals
DeVry University reserves the right to sanction a student or graduate with permanent expulsion from all DeVry institutions, including other DeVry University locations. DeVry also reserves the right to rescind award conferrals if they were based on submission of documents that were forged, fraudulent, altered, obtained inappropriately, materially incomplete or otherwise deceptive, or if a student or graduate misused DeVry academic documents.

Students or alumni who submit fraudulent documents or misuse DeVry University academic documents are afforded rights to a hearing under the Code of Conduct. The misconduct is adjudicated using procedures specified in the Code of Conduct and may result in University expulsion.

Students and graduates whose award conferrals are rescinded remain responsible for fulfilling financial obligations to any DeVry institution; federal, state and local governments; and private loan providers.

Institutional Complaint Policy
DeVry University has an established process for addressing complaints and concerns from students both informally and formally.

DeVry encourages students to first attempt to resolve concerns about their DeVry education experience informally, by contacting the individual(s) most directly connected to the concern. Students unable to resolve concerns through, or not comfortable with, this informal process or with having direct conversations, can file a written (formal) complaint via the Written Complaint Procedure in the student handbook.

Ensuring confidentiality and prohibiting retaliation are integral to DeVry's Institutional Complaint Policy.

- **Confidentiality:** DeVry strives to foster an environment in which individuals feel free to discuss concerns and file complaints, and understands that those involved in the complaint resolution process may be concerned about confidentiality of information they share. While the University will maintain confidentiality to the extent possible and consistent with its obligations in investigating complaints, students should note that in some cases, DeVry may be obligated to take action when it becomes aware of information relating to a complaint.

  Individuals who disclose identifying information to DeVry through procedures in the student handbook are considered to have filed a formal complaint with the University. To the extent possible and appropriate, confidentiality of information received, privacy of individuals involved, and compliance with wishes of complainants or witnesses will be respected; however, they cannot be guaranteed.

- **Retaliation:** DeVry prohibits retaliation against anyone who reports an incident of alleged harassment, discrimination or other unlawful conduct, and against anyone who assists or participates in a proceeding, investigation or hearing related to such allegations.

  Retaliation includes, but is not limited to, any form of intimidation, reprisal or harassment. All complaints of retaliation should be reported in accordance with complaint procedures in the student handbook. Students who believe procedures outlined would result in submitting their retaliation complaint to the person they believe is retaliating against them may submit complaints to DeVry's complaint coordinator (Complaint.Coordinator@devry.edu), who will determine an appropriate party to address the retaliation complaint.

  Students should note that submitting a good-faith complaint, or reporting harassment, discrimination or other unlawful conduct, will not adversely affect their future grades, learning opportunities or academic environment. DeVry takes appropriate action against anyone retaliating against those reporting incidents of alleged harassment, discrimination or other unlawful conduct; or testifying, assisting and/or participating in a proceeding, investigation or hearing related to such allegations.

For all students, complaints involving allegations of disability or sex-based discrimination or harassment should be filed with the Title IX coordinator (visit the Title IX Compliance section).

Students not satisfied with the final disposition of the DeVry University complaint process may contact the state higher education approving authority, the University's accreditor or the state attorney general. Visit the University's Student Complaint Procedure web page for contact information for state higher education approving authorities and/or state attorney general offices.

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

As DeVry is an Illinois-based institution approved to participate in SARA, online students not satisfied with the final disposition of the DeVry complaint process may contact the Illinois Board of Higher Education through the online complaint system, https://complaints.ibhe.org, or by mail to 1 N. Old State Capitol Plaza, Ste. 333, Springfield, IL 62701-1377.

Students Enrolled Onsite, and California Residents
In compliance with state regulations, information for the following state higher education approving authorities is also listed below:

- **Arizona:** Students completing courses at an Arizona location who wish to file a formal complaint should follow the process outlined above. If the student complaint cannot be resolved after exhausting the Institution's grievance procedure, under A.R.S. § 32-3052, the student may file a complaint with the Arizona State Board for Private Postsecondary Education. The student must contact the State Board for further details. Arizona State Board

for Private Postsecondary Education, 1740 W. Adams, 3rd Flr., Phoenix, AZ 85007, 602.542.5709, https://ppse.az.gov/student-complaint-procedure. Students enrolled online who wish to file a formal complaint should follow the process outlined above. Steps and time frames involved in the grievance procedure are outlined in the student handbook.

- **California:** A student or any member of the public may file a complaint about this institution with the California Bureau for Private Postsecondary Education by calling 888.370.7589 or by completing a complaint form, which can be obtained on the Bureau's website, https://www.bppe.ca.gov.
- **Florida:** Florida Department of Education, Commission for Independent Education, 325 W. Gaines St., Ste. 1414, Tallahassee, FL 32399-0400, cieinfo@fldoe.org, 850.245.3238 (fax), https://www.fldoe.org/about-us/office-of-the-inspector-general/file-a-complaint.stml.
- **Georgia:** Georgia Nonpublic Postsecondary Education Commission, 2082 E. Exchange Pl., Ste. 220, Tucker, GA 30084, 770.414.3300, https://gnpec.georgia.gov/student-resources/complaints-against-institution.
- **Illinois:** Illinois Board of Higher Education through the online complaint system https://complaints.ibhe.org or by mail to 1 N. Old State Capitol Plaza, Ste. 333, Springfield, IL 62701-1377.
- **Nevada:** Nevada Commission on Postsecondary Education, 2800 E. St. Louis Ave., Las Vegas, NV 89104, https://cpe.nv.gov/uploadedFiles/cpenvgov/content/Students/Complaint%20Form%20Initial%202021.pdf.
- **New Jersey:** New Jersey Office of the Secretary of Higher Education, Attn: Complaints, 1 John Fitch Plaza, 10th Flr., P.O. Box 542, Trenton, NJ 08625-0542, 609.292.4310, https://www.nj.gov/highereducation/OSHEComplaintInstructions.shtml.
- **New York:** Office of College and University Evaluation, New York State Education Department, 89 Washington Ave., Room 960 EBA, Albany, NY 12234, 518.474.1551, ocueinfo@nysed.gov, https://www.nysed.gov/college-university-evaluation/complaints.
- **Ohio:** Ohio Department of Higher Education, 25 S. Front St., Columbus, OH 43215, 614.466.6000, https://highered.ohio.gov/students/current-college-students/student-complaints/student-complaints.
- **Texas:** Texas Higher Education Coordinating Board (https://www.highered.texas.gov/student-complaints) rules governing student complaints in Texas can be found at https://texreg.sos.state.tx.us/public/readtac$ext.ViewTAC?tac_view=5&ti=19&pt=1&ch=1&sch=E&rl=Y.
- **Virginia:** In Virginia, students who do not feel they received a satisfactory resolution to their complaint may contact the State Council of Higher Education for Virginia (SCHEV), Attn: Private and Out-of-State Postsecondary Education, 101 N. 14th St., 9th Flr., James Monroe Bldg., Richmond, VA 23219, https://www.schev.edu/students/resources/student-complaints as a last resort in the complaint process. Students will not be subject to adverse action as a result of initiating a complaint with SCHEV.

  The Virginia State Approving Agency (SAA) is the approving authority of education and training programs for Virginia. Their office investigates complaints of GI Bill®[1] 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.

[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.

DeVry Locations

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

Arizona

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

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

California

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

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

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

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

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

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

Florida

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

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

Georgia

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

Illinois

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

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

Chicago Loop
200 W. Adams St., Ste. 1950, Chicago, IL 60606
312.372.4900

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

Nevada

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 student commons area.

Henderson ***Close Date: September 30, 2026; location no longer accepting new applicants; limited onsite instruction continues for students already enrolled***
2490 Paseo Verde Pkwy., Ste. 150, Henderson, NV 89074
702.933.9700

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

New York
Midtown Manhattan
DeVry College of New York
180 Madison Ave., Ste. 1200 (Entrance on 34th St.), New York, NY 10016
212.312.4300

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

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

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

San Antonio ***Close Date: September 30, 2026; location no longer accepting new applicants; limited onsite instruction continues for students already enrolled***
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

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

DeVry University Leadership

DeVry University Board of Trustees

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

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Administration & Faculty

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

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

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

The following pages share information on DeVry college deans, location leaders and full-time professors. Information is organized by state; professors noted as virtual teach online only. Information on professors teaching at a specific location is available from local staff members.

Administrators

National College Deans and Program Directors

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

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

William Phillips, Dean of Colleges and Curriculum
Colleges of Engineering & Information Sciences and Media Arts & Technology
PhD, Arizona State University

Location Leaders

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

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

California – Newark
Krystal Fair Mills, Assistant Director of Student Central, and Newark Location Leader
MBA, Keller Graduate School of Management

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

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

California – San Jose
Mostafa Mortezaie, Professor, and San Jose Location Leader
PhD, University of California

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

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

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

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

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

Nevada – Henderson
Tiffany Burnett, Assistant Director of Admissions II, and Henderson Location Leader
BA, University of California

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

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

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

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

Texas – San Antonio
Grover McDaniel, Associate Dean of Teaching & Learning, and San Antonio Location Leader
PhD, Capella University

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

Full-Time Professors

Arizona

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

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

Joan L. Snyder, Professor
MEd, Northern Arizona University

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

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

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

California

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

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

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

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

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

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

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

Gary P. Giomi, Professor
MISM, Keller Graduate School of Management

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

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

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

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

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

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

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

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

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

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

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

Mostafa Mortezaie, Professor – *Virtual*
MA, University of Southern California
MS, PhD, University of California

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

Carlos Perez, Professor
MS, Florida State University

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

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

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

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

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

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

Colorado

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

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

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

Susan Kennedy, Professor – *Virtual*
PhD, University of Michigan

Charles W. Trinkel, Associate Professor – *Virtual*
MA, University of Colorado

Florida

Japera Barnes, Associate Professor – *Virtual*
MBA, St. Leo University

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

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

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

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

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

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

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

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

Amber Krasny
Associate Professor – *Virtual*
MBA, Walden University

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

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

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

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

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

Karen Sears, Associate Professor
MPAcc, Colorado State University Global
DBA, Walden University

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

Kiana Wilson, Associate Professor – *Virtual*
MBA, Villanova University
DM, Colorado Technical University

Georgia

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

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

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

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

Debra Kean, Professor – *Virtual*
MEd, Valdosta State University

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

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

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

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

Idaho

Jennifer Lame, Associate Professor – *Virtual*
MPH, Idaho State University

Illinois

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

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

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

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

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

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

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Supplemental Information as of July 21, 2025

DeVry's 2025-2026 Undergraduate Academic Catalog, Volume XLIV, is now in effect. The following significant changes have been implemented beginning with the original publication date, July 21, 2025. Additions/amendments incorporated since the most recent publication are noted in red, indicated by the release date at the top of this page and appear at the top of the table below. Because changes/updates can affect the catalog layout, entries prior to this release date may no longer correspond to page numbers indicated.

Date Change Published	Page(s) on Which Change Appears	Change/Update
7.21.25	9-11	Within the Mission, Accreditation & State Authorization section, information in the State and Distance Education Authorizations section was updated. Specifically, information for the following states was removed: Alabama, Arkansas, Delaware, Indiana, Kansas, Kentucky, Louisiana, Maryland, Michigan, Minnesota, Missouri, New Mexico, North Carolina, North Dakota, Tennessee, Utah and Wisconsin.
7.21.25	12-14	Information in Cycle 2 of the Academic Calendar was updated.
7.21.25	124-127	Within the Medical Billing & Coding undergraduate certificate program accepting new applicants, the web link for accessing detailed information on the Certified Coding Specialist exam was updated.
7.21.25	142	Within the Programs No Longer Accepting New Applicants section, dates noted in introductory content for the tuition table were updated.
7.21.25	187-190	Within the Medical Billing & Coding undergraduate certificate program no longer accepting new applicants, the web link for accessing detailed information on the Certified Coding Specialist exam was updated.
7.21.25	204-262	Within the Course Descriptions section: • Prerequisites were updated for CEIS101, CEIS101C, CEIS106, CEIS110, CEIS114, CEIS499, ENGL108, ENGL112, HIT277, HIT279, SEC335 • Descriptions were removed for CEIS480, DBM438, ENGL062, SEC321
7.21.25	263	Within the General Student Information section, the Academic Instruction and Faculty Office Hours section was updated to include information on when students can expect responses to online submissions of assignments and other submissions.
7.21.25	268	Within the General Student Information section, information in the Curriculum Changes section was updated regarding the timeframe in which program and policy changes are announced.
7.21.25	272-273	Within the General Student Information section, information was updated in the Engineering and Information Sciences – General Course Requirements section to remove content related to visual recognition and manual manipulation of electrical components.
7.21.25	276	Within the Student Services & Support Resources section, a new section, Supportive Learning Environment, was added.
7.21.25	279	Within the Student Records section, information was updated in the first paragraph to include the length of time student records are maintained after a student is no longer enrolled.

Date Change Published	Page(s) on Which Change Appears	Change/Update
7.21.25	285	Within the Academic Policies section: • In the Non-GPA Credit section, a reference to prerequisite skills courses was replaced with a reference to transitional studies courses • Information about courses not assigned grades of C and D was removed in the Grades and Designators section.
7.21.25	310, 311, 316-320	Within the Financial Information section: • A sentence pertaining to tuition increases for Oregon residents was removed from the Tuition section. • Information in the Tuition section and on pages with tuition tables was updated to reflect tuition effective for the July 2025 through May 2026 sessions. • A sentence pertaining to fees for Oregon residents was removed from introductory content in the Expenses section. • Information was updated in the Official Transcript Request section of the Expenses section.
7.21.25	321-325	Information in the Financial Assistance section: • FAFSA® information was added for the 2025-2026 award year; information for the 2023-2024 award year was removed. • In the Federal Pell Grants section, maximum grant information was updated to reflect the 2025-2026 award year. • In the Federal Direct Subsidized and Unsubsidized Loans, and Federal Direct PLUS Loans section, loan disbursement date information was updated. Within this section, interest rate information for subsidized and unsubsidized undergraduate Federal Direct Loans, and for Federal Direct PLUS (Parent Loans) first disbursed on or after July 1, 2025, and before July 1, 2026, was added.
7.21.25	342-344	Within the Regulations section, information in the Institutional Complaint Policy section was updated. Specifically, a new subsection, Students Enrolled Online, Except California Residents, was added. And information for California residents and students enrolled online, is now contained under a new subheading: Students Enrolled Onsite, and California Residents. Within this section, information for the following states was removed: Kansas, Maryland, New Mexico, North Carolina, Tennessee and Wisconsin. Additionally, information for Florida was updated, and information for New Jersey, New York and Ohio was added.