



Davis University

Founded in 1858

DAVIS UNIVERSITY 2026-2028 ACADEMIC CATALOG

"Discover the Davis University Difference"

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President's Message

When people walk through our doors and commit themselves to success, great things happen. Time and again, the power of increasing knowledge, skills, confidence, and the power of gaining a valuable education have changed students beyond their own expectations.

We have served many of your grandparents, aunts, uncles, sons, and daughters of Toledo since even before the Civil War in this effort. Our pride lies in the enduring tradition of offering career education programs to our local community while extending a warm welcome to international students from across the globe.

Our purpose is to provide you with marketable skills and a gateway to higher education pathways. We achieve this with dedicated faculty and staff who are committed to excellence. Our commitment to excellence is reflected by the institution's accreditation*. In fact, less than 10% of institutions similar to Davis University have attained the same accreditation.

I personally welcome you to the tradition of success at Davis University and to the excitement of fulfilling and exceeding your own expectations.

A handwritten signature in dark ink that reads "Diane Brunner". The script is cursive and fluid.

Diane Brunner
President

*Davis University is accredited by The Higher Learning Commission. Phone (312) 263-0456 www.hlcommission.org.

Davis University Mission

Davis University, a private institution of higher education, serves students by teaching marketable skills that enhance our graduates' employability in an ever-changing world.

To ensure the realization of our mission, the following educational purposes, in addition to our program learning outcomes, have been established.

General Education Core

The General Education Core is an integral part of each degree program at Davis University. The purpose of the General Education Core is to impart common knowledge, cultivate critical thinking, and develop values needed by every educated person. To this end, the General Education Core provides a foundation for comprehensive, lifelong learning and will enable a graduate to:

- Read critically with understanding.
- Listen critically with understanding.
- Write clearly and effectively in Standard English.
- Speak clearly and effectively in Standard English.
- Apply critical thinking processes, abstract reasoning skills, and problem-solving methods.
- Locate, gather, process, and use information.

Business Core

The Business Core reflects the University's commitment to meeting the demands of the business community we serve and is an essential part of each degree program. The purpose of the Business Core is to develop character, teamwork, and professionalism valued by employers. To this end, the Business Core will enable a Davis University graduate to:

- Demonstrate professional behavior.
- Collaborate with people of different backgrounds, values, and experience.
- Demonstrate knowledge of the foundations, functions, and practices of business.
- Utilize technology that is common to general business practices.
- Develop effective job search skills and employment documentation.

The Davis University faculty, staff, and administration are committed to the mission and purposes of the University and, to this end, are committed to provide the educational programs, services, environment, resources, and knowledge to assure its attainment.

History

In 1881, Matthew H. Davis left his chairmanship in the mathematics department and his position as director of the business department at Albert College, Belleville, Ontario, to accept the management of Toledo Business College. The small school of 35 students, which had been established in 1858, rapidly grew to 350 students.

During the 23 years Davis directed the school, four other schools were absorbed, and the name was changed to Davis Business College. The curriculum was gradually changed from Latin, German, Greek, calculus, and epistolary writing to banking, mercantile trades, shorthand, and typing.

After Davis’s death in 1904, his son, Thurber P. Davis, left the University of Michigan to take over the management of Davis Business College. Under the leadership of the younger Davis, electric typewriters were added, making the College one of the best-equipped in the United States. Stenotype and data processing augmented the expanding curriculum.

In 1948, when Thurber became ill, his daughter, Ruth L. Davis, became the third generation of the Davis family to lead the school. In 1953, President Ruth Davis led the College to be among the first to be accredited by the Accrediting Commission for Business Schools. In 1964, the institution met commission requirements for a junior college of business. Office management, payroll accounting, and the Automation Institute were added to meet the growing needs of business and technology.

In 1983, John Lambert became President of Davis College. President Lambert expanded the curriculum to include allied health, aviation, computer, and graphic design programs, which doubled the College’s enrollment. In 1986, Davis met the requirements for accreditation by the American Association of Medical Assistants. In 1991, Davis College was granted accreditation by the Higher Learning Commission.

In 1993, Diane Brunner became the fifth president of Davis College. At the time of her appointment, she was the youngest female college president in Ohio. In 2008, the College was honored as one of Ohio’s best employers by the Ohio Chamber of Commerce. Davis College also earned the Better Business Bureau® Torch Award for marketplace ethics. In 2014, Davis College was chosen as a Top Workplace in Toledo.

Under new ownership in 2022, Davis University invested heavily in remote learning, expanded international recruitment, launched its first bachelor’s degree in business, introduced several new associate degree programs, including a nursing program, and relocated to a new campus in downtown Toledo. In 2023, the institution officially adopted the name Davis University and introduced its first graduate program in management.

As has always been true of the leadership at Davis University, President Brunner and the staff remain dedicated to advancing higher educational standards and continuing the University’s service to the community.

Accreditations and Approvals

Davis University is accredited by the Higher Learning Commission. The Higher Learning Commission is recognized by the U.S. Department of Education and the Council on Higher Education Accreditation (CHEA). The Higher Learning Commission may be contacted at 230 South LaSalle Street, Suite 7-500, Chicago, IL 60604. (312) 263-0456 or (800) 621-7440 Fax: (312) 263-7462 or visit www.hlcommission.org.

Davis University is registered with the Ohio State Board of Career Colleges and Schools (Certificate of Registration No. 731), 30 East Broad Street, 24th Floor, Suite 2481, Columbus, OH 43215. <http://scr.ohio.gov>.

The Ohio Department of Higher Education has authorized Davis University’s programs since 2009.

Davis University is approved for the training of veterans by the Ohio State Approving Agency.

Davis University is authorized under Federal law to enroll non-immigrant alien students.

Non-Discrimination Policy

Davis University embraces the requirements of federal, state, and local laws and does not discriminate or tolerate harassment on the basis of race, color, ethnicity, national origin, religion, creed, gender, sexual orientation, gender expression, age, physical or mental ability, veteran status, military obligations, marital status, parental status, pregnancy, family medical history, genetic information, political affiliation, or any other protected category in the recruitment, selection, and subsequent treatment of students and/or employees. In accordance with Section 504, Rehabilitation Act of 1973 (P.L. 93-112), interested persons can obtain information with respect to the existence of location of services, activities, and facilities that are accessible to and usable at Davis University by physically challenged persons by contacting the Executive Vice President. Davis University prohibits sex discrimination in any education program or activity that it operates. Individuals may report concerns or questions to the Title IX Coordinator. The notice of nondiscrimination is located at www.davisuniversity.edu/nondiscrimination.

Academic Calendar Quarter Start

Dates for 2026-2028 Academic Years

Davis University’s academic calendar is divided into four quarters: Fall Quarter, Winter Quarter, Spring Quarter, and Summer Quarter. This calendar offers students greater flexibility to enroll throughout the academic year.

Dates for 2026-2028 Academic Years

Fall Quarter (2026)

August 24-November 6, 2026

Winter Quarter (2026)

November 16, 2026-February 12, 2027

Spring Quarter (2027)

February 22-May 7, 2027

Summer Quarter (2027)

May 17-July 23, 2027

Fall Quarter (2027)

August 23-November 5, 2027

Winter Quarter (2027)

November 15, 2027-February 11, 2028

Spring Quarter (2028)

February 21-May 5, 2028

Summer Quarter (2028)

May 15-July 21, 2028

The Admissions Process

The Academic Calendar, including holidays and breaks, is available on the Davis University website, www.davisuniversity.edu.

- 1.Schedule an appointment with an admissions representative. The admissions representative will assist you with program selection, career goal setting, campus tours, and other areas essential to your success.
- 2.Complete the Enrollment Agreement either in-person or online.
- 3.Pay the application fee.
- 4.Provide proof of high school completion (standard high school diploma, GED, or HSE).
- 5.Schedule a financial aid appointment (if applicable).
- 6.Provide an Official Transcript from all schools attended.
- 7.Completion of an English and math placement evaluation instrument is highly recommended. This evaluation will not affect the student’s eligibility to enroll but will simply assist Davis University in meeting students' needs.
- 8.Meet with your academic advisor to schedule your classes. You will meet individually with an academic advisor for scheduling before orientation and on an ongoing basis throughout your program.
- 9.Attend new student orientation. An orientation program is held for new students prior to their first quarter. During orientation, students will meet with various school leaders, including academic advisors, answer questions, and finalize the enrollment process.

Admissions Process for Registered Nursing Program

Non-Direct Entry

- Complete steps 1-6 of the Admissions process
- Attain a grade of C or better in all pre-nursing courses
- Attained a minimum GPA of 2.0 in prior education
- Attain a HESI A2 score greater than 70

Direct Entry

- Complete steps 1-6 of the Admissions process
- Attain a grade of C or better in all pre-nursing courses
- Attained a minimum GPA of 2.5 in prior education
- Attain a HESI A2 score greater than 70
- Maximum transfer credits allowed:
 - 39 Quarter/26 Semester Credit Hours

LPN-to-ADN Bridge Program

- Complete steps 1-6 of the Admissions process
- Attain a grade of C or better in all pre-nursing courses
- Attained a minimum GPA of 2.5 in prior education
- Take a HESI LPN and Mobility Exam
- Maximum transfer credits allowed:
 - 60 Quarter/40 Semester Credit Hours
- Graduate of LPN/LVN Program with a valid, unencumbered license with IV Certification
- Work as an LPN/LVN for at least 6 months
 - Students are required to demonstrate Nursing skills in the laboratory prior to any clinical experience.

All students must have Technical Standards, Physical Form, Proof of Immunizations, CPR certification, and FBI/BCI Background checks completed 6 weeks prior to acceptance into the ADN Program.

Admissions Requirements for MSM Program

General Admission Requirements

- **Completed Application:** Applicants will complete and submit the online application form through the Davis University admissions portal.
- **Application Fee:** An application fee is required at the time of submission.
- **Official Transcripts:** Candidates will provide official transcripts from all previously attended higher education institutions.
- **Bachelor's Degree:** A bachelor's degree from an accredited institution is required. The degree can be in any field; however, coursework in business, management, or related areas may be beneficial.
- **Minimum GPA:** Applicants should have a minimum cumulative GPA of 3.0 on a 4.0 scale from their undergraduate studies.
- **Letters of Recommendation:** Three letters of recommendation are required. These should come from academic or professional references who can attest to the applicant's qualifications and potential for success in graduate studies.
- **Statement of Purpose:** A well-written statement of purpose outlining the applicant's career goals, reasons for pursuing a Master of Science in Management, and how the program aligns with their professional aspirations.
- **Resume/Curriculum Vitae:** A current resume or CV detailing professional experience, academic achievements, and any relevant extracurricular activities.

MSM Requirements for International Students, in addition to the General Admission Requirements

- **Proof of English Proficiency:** International applicants whose native language is not English must provide proof of English proficiency. Acceptable tests include TOEFL (minimum score of 78 iBT), IELTS (minimum score of 6.5), PTE (minimum score of 58), or Duolingo English Test (minimum score of 100).
- **Credential Evaluation:** International educational credentials must be evaluated by one of the approved agencies, such as WES, ECE, IEE, or SpanTran, to ensure they meet the equivalent standards of U.S. education.

Additional Requirements in addition to the General Admissions Requirements

- **Interview:** Master of Science in Management programs may require an interview as part of the admission process. This may be conducted in person, by phone, or via video conference.
- **Deadlines:** Applications are typically accepted on a rolling basis, but specific deadlines for each quarter's intake should be verified with the admissions office. Early application is recommended to ensure consideration.

Early Childhood Education Admission Requirements

Background Check: Ohio Senate Bill 38, enacted October 29, 1993, requires individuals engaged in childcare activities to complete a background check by the Ohio Bureau of Criminal Investigation and Identification (BCI) and the Federal Bureau of Investigation (FBI).

Allied Health Admission Requirements

A facility may require you to have your COVID and/or flu shot prior to your externship/practicum and/ or your employment after graduation.

For Medical Assisting students, a physical examination, current CPR/First Aid certification, and a drug screen are required before the start of an externship; a background check will likely be required prior to starting the externship.

For Medical Billing and Coding students, CPR/First Aid is recommended, and a background check and/or drug screen will likely be required prior to starting the externship.

Graphic and Interior Design Programs

These two programs are designed to be transfer programs. Davis University has articulations in place for you to easily move on and complete a bachelor's program.

High School Completion Requirement

Applicants who have completed high school graduation requirements or have successfully completed the General Education Development Test (GED)/HSE are eligible to apply for admission. Formal acceptance to Davis University will be determined once verification of successful completion of high school or GED requirements have been obtained. Verification includes a high school diploma, a GED/HSE certificate, or, in extenuating circumstances, self-certification. Additional documentation may be requested from the student in cases where the institution chooses to validate the documentation provided for high school completion. Students who have successfully completed an advanced college degree and who provide an official transcript are waived from the high school completion verification.

Procedures for High School Graduation Verification

- The admission representative asks the student to verify that he/she is a high school graduate.
- Three standard forms of verification are:
 - The student may request an official transcript to be sent to Davis University.
 - The student may present their high school diploma. The admission representative will verify the student's name, the official school seal, an official signature, and the date of graduation. The admission representative scans a copy of the diploma into the SIS.
 - If the student has passed the GED test, they are required to request a copy be sent to Davis University from diplomasender.com. The representative will have the student send a copy to the representative's email.

- If the representative believes there is cause to further verify high school graduation, he/she can call the high school, speak to the records office, and get confirmation.
 - Obtain documentation from the high school that confirms the validity of the high school diploma, including transcripts or other written descriptions of course requirements, or written and signed statements by principals or executive officers at the high school attesting to the rigor and quality of the coursework at the high school.
 - If the high school is regulated or overseen by a state agency, Tribal agency, or Bureau of Indian Education, confirming with or receiving documentation from that agency; and
 - If the Secretary has published a list of high schools that issue invalid high school diplomas, confirming that the high school does not appear on that list.

International Student Admissions

Step 1: Complete the International Student Application

The International Student Application is available online at <https://fs10.formsite.com/EoyZkQ/krglrwwah/index>, or scan a completed International Student Application to international@davisuniversity.edu.

Submit unofficial academic records and transcripts from all secondary/high schools attended. In English; Certified English translations must accompany documents not available in English. Official transcripts should be submitted no later than the end of the first quarter. Submit photocopies of English proficiency required scores (*no more than five years old):

- 51-69 TOEFL iBT score
- 5.0-6.0 IELTS
- 36-5-PTE
- 75-100 Duolingo
- 33-50 LanguageCert International ESOL B2 Exam
- Gaokao English Subject, $\geq 100/150$; $\geq 80/120$
- Gaokao English Subject, 90-99/150; 72-79/120
 - (An interview is required)
- Gaokao English Subject, $\leq 89/150$; $\leq 71/120$
 - (An internal exam is required)
- Michigan English Test, ≥ 64 or $\geq C1$ (MET - <https://michiganassessment.org>)
- Oxford ELLT 4.0 or above

There is no application fee.

Step 2: Receive I-20 Form

After Davis University receives your complete application with required documents, an admissions package will be created for you. This contains an acceptance letter with guidelines for enrollment and an Affidavit of Support form. Once we receive the required items, the Form I-20 will be issued.

International Student Enrollment Policy:

New international students who use a Davis University I-20 to enter the U.S. must:

- *Upon successful grant of the F-1 visa, students are required to pay tuition fees for one academic year, and six months of accommodation fees to Davis University*. This should be done within 20 calendar days of the visa grant date; otherwise, the admission status and SEVIS record will be canceled and reported to US Citizenship and Immigration Services.*

*Health Insurance, Books, and Supplies will be purchased after the student arrives on campus.

Important: You can make a payment by wire transfer as indicated in the Online Enrollment Agreement. Please send an email to applications@davisuniversity.edu with the student's name, date of birth, date of wire, and amount of money wired.

Upon Arrival at Davis University:

- Attend orientation for new international students.
- Enroll in and attend the first quarter at Davis University.
- Present originals of passport, visa, and I-20.
- Obtain and provide proof of health insurance while enrolled at Davis University.

For further information, please contact the International Student Department:

Davis University
200 N. St. Clair Street, Suite 100
Toledo, Ohio 43604-2638
Phone (office): +1 419-473-2700 Ext 1008
international@davisuniversity.edu

Intensive English Program

The Intensive English Program (I.E.P.) at Davis University is an in-class instructional intensive English language diploma designed to assist international students who are non-native speakers in improving the English language skills they need to succeed in their academic, professional, and social endeavors. Students will be placed into the appropriate level course after an English placement exam. I.E.P. courses are eight weeks in length, and there are 5 levels of courses. A certificate of completion will be received after successfully finishing Level 5 of the program.

Student Body

The student population at Davis University is diverse and dynamic. As of Fall 2025, the US based student body consisted of 75% female and 25% male; 32% Caucasian, 39% African American, 4% Hispanic, 14% U.S. non-resident, and 11% Other. The online international student population consists of students from Bangladesh, Canada, China, England, India, and Sri Lanka. Overall, student ages range from 18-60, and the average age of the Davis University student is 21. Students attend class on a full- or part-time basis, day and/or evening, four days a week or less (no regular Friday classes). 70% of the US based student body receives the Federal Pell Grant; 100% are committed to learning marketable skills.

Davis Facilities and Equipment

Davis University facilities are located in the Tower on the Maumee Building downtown Toledo. In the 17,000-square-foot space, there are seven general-purpose classrooms, three computer labs, a medical lab, a nursing lab, a nursing simulator room, two student lounge areas, an IT help desk area/bookstore, and administrative faculty offices on campus. The campus has Wi-Fi access and live video conference capabilities for the Davis community.

Tuition and Fees

Tuition and fee charges are due and payable on or before the first day of each new quarter. See the Catalog Supplement for a complete description of fees. U.S. students pay the same tuition and fees regardless of the state in which they reside. International students may incur a surcharge or a program charge.

Financing Your Education

Financial Aid

Davis University is accredited by the Higher Learning Commission and approved by the Department of Education, allowing the institution to participate in federal financial aid programs. Student aid is conditional, providing the recipient is eligible and maintains satisfactory academic progress, including grade point average, completion of courses attempted, and attendance in courses. A student is required to attend a minimum of six credit hours each quarter to be eligible for the financial aid loan programs. All federal financial aid is subject to change by Congressional decisions.

Applying for Financial Aid

You will be guided through the financial aid process with the Financial Aid Director.

To apply for financial aid, a Contributor (Anyone asked to provide information on a student's FAFSA Application) will need to:

- Create a Federal Student Aid (FSA) ID and password at www.studentaid.gov.
- Fill out and submit the Free Application for Federal Student Aid (FAFSA).

Be sure to enter the Davis University Federal School Code (004855) on the School Selection Page.

We are here to help you every step of the way!

Awarding Financial Aid

Once the FAFSA has been processed, you will receive an FSS (FAFSA Submission Summary) by email within 3-5 days if you provided an email address when you applied. This email will contain a secure link so you can access your FSS online. Your FSS will usually contain your Student

Aid Index (SAI), the number used in determining your eligibility for federal student aid. When Davis University receives your data, you will meet with the Financial Aid Office to determine your aid eligibility. You will receive a funding estimate that will show you the type(s) of financial aid you are eligible to receive from federal, state, and institutional sources and how much you may receive.

Professional Judgment/Dependency Overrides

The Financial Aid Office may take into account a student's special circumstances and unusual circumstances to make adjustments to a student's SAI for educational expenses, standard budget, and/or financial aid dependency status, as determined by federal guidelines. Additional documentation may be necessary.

Financial Aid Programs

Federal Pell Grant

The Pell Grant is sponsored by the federal government. The amount of the Pell Grant varies depending on financial need and enrollment status. The Pell Grant is not repayable by the recipient except under certain conditions of withdrawal.

Ohio College Opportunity Grant (OCOG)

The OCOG is sponsored by the State of Ohio for Ohio residents enrolled in an associate degree program. The amount of the grant is based on financial need and enrollment status. The OCOG is not repayable by the recipient except under certain conditions of withdrawal. Eligibility is determined by the completion of the FAFSA. The FAFSA must be completed by October 1 to be considered for eligibility.

Federal Supplemental Educational Opportunity Grant (FSEOG)

The FSEOG is administered by the University and provides assistance to students with exceptional financial need. The grant varies in amount but is not to exceed 50% of the total amount of the student aid made available through the University. However, the University awards no more than \$125.00 a quarter to students with exceptional need due to limited funding. If excess funding is available, a student with exceptional need may be awarded more than \$125.00.

Subsidized Direct Loans

Subsidized Direct Loans are made by the Department of Education. While the student is in college, the federal government pays the full interest. After separation from college, the student assumes repayment of the loan and full annual interest. Under this loan program, a student may be able to borrow \$3,500 each award year. In the second year (after 36 credit hours are earned), the Subsidized Loan may be increased to \$ 4,500.

Subsidized loans have a fixed interest rate not to exceed 8.25%. Repayment on this loan begins six (6) months after graduation, withdrawal from school, or if attendance drops below six (6) credit hours.

Federal Direct Loan Schedule of Reductions (SOR)

Beginning July 1, 2026, Federal Direct Loans will be reduced based on the number of credits in which a student is enrolled/academically engaged. This process is called the Schedule of Reductions (SOR).

Similar to the Pell grant, students will now be offered the maximum amount of Federal Direct Loan funding per year based on full-time enrollment. See below for an enrollment guide detailing the number of credits in which a student must be enrolled/academically engaged to be considered full-time for financial aid purposes.

	Fall/Spring	Summer
Undergraduate Students	12 Credits	12 Credits
Graduate Students	9 Credits	5 Credits

With the new Federal Direct Loan SOR requirement, full-time students will receive the full amount of their annual loan offer. If a student is enrolled less than full-time, they will not be eligible to receive the full-time amount of loans offered to them. Instead, the university will calculate the amount of loan funding the student is eligible to receive based on the number of credits in which they are enrolled.

See below for annual Federal Direct Loan Limits

****Please note that amounts offered to you could differ from amounts listed below based on your Cost of Attendance and total lifetime borrowing history. To view your total lifetime borrowing history, log in to your studentaid.gov account (<https://studentaid.gov/login>).***

Annual Loan Limits for Dependent Undergraduate Students			
If dependent, your subsideized and unsubsidized Direct Loan annual eligibility is as follows:			
	0-36 Earned Credits	36-95 Earned Credits	96 & Above Credits
Subsidized	\$3,500	\$4,500	\$5,500
Unsubsidized	\$2,000	\$2,000	\$2,000
Total	\$5,500	\$6,500	\$7,500

Annual Loan Limits for Independent Undergraduate Students

If independent, your subsidized and unsubsidized Direct Loan annual eligibility is as follows:

	0-36 Earned Credits	36-95 Earned Credits	96 & Above Credits
Subsidized	\$3,500	\$4,500	\$5,500
Unsubsidized	\$6,000	\$6,000	\$7,000
Total	\$9,500	\$10,500	\$12,500

Annual Loan Limit for Graduate Students

Up to \$20,500 each academic year of a Federal Direct Unsubsidized Loan

Unsubsidized	\$6,000	\$6,000
Total	\$9,500	\$10,500

The formula we will use to determine how much of a federal direct loan a student may receive per quarter, based on the number of credits they are enrolled in, is below.

First, we have to determine the Schedule of Reductions (SOR) percentage.

$$\frac{\text{Credit Hours Enrolled}}{\text{Credit Hours Required to be Full-Time in an Academic Year}} = \text{Schedule of Reductions (SOR)}$$

Then, we will multiply the SOR by the student's annual subsidized & unsubsidized loan limits to determine their prorated loan amount(s). This process is done separately for subsidized and unsubsidized loans if the student is eligible for both types of loans.

$$\text{Annual Loan Limit} \times \text{SOR} = \text{SOR Loan Limit}$$

At minimum, students need to be enrolled at least 6 Credit Hours to receive any Federal Direct Loan funding

Unsubsidized Direct Loans

Unsubsidized Direct Loans are made by the Department of Education. Independent students are eligible for a maximum of \$6,000 per award year. Unsubsidized loans have a fixed interest rate not to exceed 8.25%. The government does NOT pay the interest on this loan while the student is in attendance, and it starts accruing immediately upon disbursement. A student may make interest payments while in school. Repayment begins six (6) months after graduation, withdrawal from school, or if attendance drops below six (6) credit hours. This loan can be in addition to the Subsidized Direct Loan. Dependent students are eligible for a maximum amount per award year of \$2,000 (or \$6,000 per academic year if there was a PLUS loan denial-see PLUS Loan below).**

Parent Loans for Undergraduate Students (PLUS)

Parents of students may borrow up to the cost of education minus any other financial aid per award year for each student who is a dependent undergraduate attending at least six (6) credit hours. The interest rate for this loan is fixed with a cap at 9%. The borrower needs to begin repaying a PLUS loan within 60 days of the final check disbursed to the school for the loan period.

**If a parent is denied a PLUS loan for any reason, the student, upon presenting the financial aid office with the denial, is eligible to receive up to \$6,000 in the Unsubsidized Direct Loan program for an academic year instead of \$2,000.

Federal Work-Study Program (FWS)

The college is authorized to provide on- and/or off-campus employment to assist students whose applications for financial aid show need. Students work a maximum of 25 hours a week, with the possibility for full-time employment during break weeks. Employment under this program is dependent on federal funds and requires a minimum attendance of six (6) credit hours per quarter. Priority is given to the student with the greatest demonstrated need. In addition, a student must successfully complete his or her first quarter in order to be considered for an FWS position.

Davis Plan

Davis University offers cash payment options with no interest to help students finance their education. Please visit the Business Office for more details.

Other Programs

The following specialized programs may also be available: Ohio National Guard Scholarship program, Opportunities for Ohioans with Disabilities; Lucas County Workforce Inventory of Education and Training (WIET); Harbor; and Union Education Trust. Funding through these agencies is limited. Apply to the appropriate agency as early as possible. Also, local service clubs, businesses, churches, and community groups may offer some assistance.

Veterans Administration Educational Benefits

Davis University is proud to be approved for the training of eligible veterans and proud to have been named a Military Friendly School.

The necessary Veterans Affairs (VA) forms can be obtained and completed online at <http://va.gov> at the link “Finding a VA Form.” Veterans will need to complete the following forms online or supply them to the Veterans’ Coordinator:

- Form 22-1990 Application for VA Education Benefits
- Form DD 214 Separation Documents
- Certificate of Eligibility
- Form 22-1995 (Request for Change of Program or Place of Training) only if a Veteran has previously received VA benefits at another institution.

Eligible Dependents of Veterans will need to supply Form 22-5490 Dependents’ Application.

Call the VA Education Customer Service Office at 1-888-442-4551 for assistance.

Davis University Foundation and Scholarships

The Davis University Foundation is a non-profit entity dedicated to creating opportunities for individuals and organizations to provide resources that enhance the education of Davis University students. Equipment donations and scholarship donations are welcome. *Scholarship information and applications are available in the Financial Aid office.*

Davis University Foundation Merit Scholarship

The Davis University Foundation Merit Scholarship is awarded to Davis University students who are enrolled in an associate degree or a diploma program, attending full-time (12 credit hours or more), exhibit outstanding academic achievement, and demonstrate community involvement.

The scholarship amount is \$1,500 for students enrolled in an associate degree program and \$750 for students enrolled in a diploma program. It may be applied to tuition, books, and supplies.

Sharon Lynn Monday Memorial Scholarship

Sharon Lynn Monday Memorial Scholarship was created in honor of Davis University graduate Sharon Lynn Monday. Sharon passed away on January 5, 2009, following a courageous fight against leukemia. Sharon maintained a 4.0 GPA despite undergoing chemotherapy treatments, working full-time, and attending school full-time.

The scholarship is for students enrolled in an associate degree program who are cancer survivors. The scholarship may be applied to tuition, books, and supplies. Scholarship amount varies.

Thomas Bulone Memorial Scholarship

The Thomas Bulone Memorial Scholarship was created in honor of Tom Bulone, a friend of Davis University and husband of Mary Ryan-Bulone, VP Emeritus of DU. He passed away on October 15, 2011, following an aggressive battle with multiple myeloma. Because Tom was such a family-oriented person and loved his Davis family, the scholarship is awarded to a student who has lost a parent, sibling, or child to cancer. The scholarship amount varies.

Global Scholarship

The Global Scholarship is awarded to first-year international students enrolled in an associate degree program or above. The applicant should demonstrate leadership in community and world efforts; a GPA of 2.8 or higher is required, along with proof of English proficiency.

Davis University Ambassador Scholarship

The Davis University Ambassador Scholarship is awarded to students who embody the spirit and values of Davis University. This scholarship is perfect for enthusiastic leaders who are eager to serve as campus ambassadors. Recipients will share their pride in the university, engage with the community, and help welcome future Sycamores.

Davis University Transfer Scholarship

The Davis University Transfer Scholarship is available to new transfer students who bring a college GPA of 2.5 or higher. This scholarship recognizes students' past academic achievements and helps make the transition to Davis University more affordable as they pursue a degree.

Emerging Fields Scholarship

The Emerging Fields Scholarship supports students entering high-demand programs where employers are urgently seeking skilled graduates. To help meet workforce needs, this scholarship is automatically applied to select programs, making it easier for students to gain the training needed in today's fastest-growing fields.

First Generation College Student Scholarship

The First-Generation College Student Scholarship is designed to support students who are the first in their families to pursue a college degree. This scholarship is intended to help open doors to higher education. It empowers students to create a new legacy through academic success.

Parent Pathway Scholarship

The Parent Pathway Scholarship is designed to support single parents pursuing a college degree. This scholarship offers financial assistance and encouragement to individuals balancing the responsibilities of parenting and pursuing higher education, helping them stay on track, remain enrolled, and achieve success.

Toledo Public School (TPS) Scholarship

The TPS Scholarship honors Davis University's long-standing commitment to Toledo Public Schools and the greater Toledo community. Students who graduated from a TPS high school - no matter when - are encouraged to apply. This scholarship celebrates our shared roots and supports your next steps in higher education.

Turning the Tassel Scholarship

The Turning the Tassel Scholarship is for recent high school graduates ready to take the next step in their education journey. Students who have earned their diploma or GED within the last two years are eligible to apply. This scholarship celebrates achievement and helps launch your college career.

Academic Policies for Enrolling Students

Academic policies are listed in the Student Handbook, but here are a few important policies for enrolling students.

Credit Transfer to Davis University

Students seeking transfer credit for coursework completed at other colleges will need to request that official transcripts from each college/university attended be sent directly from that institution to the Davis University Registrar's Office. The student is responsible for requesting this official transcript. It is highly recommended that the transcript be received before the first quarter of attendance begins. Transcripts from other institutions become part of the student's permanent academic file and cannot be copied or released for distribution.

Experiential Learning Credit

The assessment of experiential learning is designed to provide students with an alternative method of obtaining college credit. Knowledge acquired from a combination of work experience, non-credit courses, seminar training, and workshops may translate into college credit. Credit awarded for experiential learning will be considered the same as transfer credit to Davis University. Credit is awarded only in areas which fall within the regular curricular offerings of the institution and are part of the academic program the student completes. Credit is awarded for learning, and not merely for experience.

Please contact the Registrar for more information about earning experiential learning credit.

Transferability of Davis University Credits

The acceptability of Davis University credits by other institutions is solely the decision of the accepting institution. However, as an institution accredited by the Higher Learning Commission (HLC), other colleges and universities accredited by HLC will evaluate Davis University credits. Additionally, the university maintains articulation agreements with other colleges and universities. Davis University makes no representations as to the acceptability of Davis University credits at other institutions.

Credit Transfer Procedure

The request for transfer of credit, along with course information, is sent to the Registrar. Initially, credit can be evaluated without official transcripts. However, credits will not be added to the transcript until the official transcript is received.

The Registrar will evaluate each transcript and determine the total number of credit hours which may be transferred. The Registrar may elect to accept general education courses which are not offered by Davis.

If necessary, the Registrar will consult with the faculty teaching the same or a similar course to review the materials and ensure proper assessment.

The recommendation to accept or decline the request for transfer of credit is sent to the Registrar, who will respond to the student or institution making the request.

Credit Transfer Requirements

The maximum number of credit hours transferred cannot exceed 50% of the hours required in the program or 50% of the hours required in the major. At least one half of the credit hours required for an associate degree or diploma are required to be earned at Davis. In addition, the final 12 credit hours are required to be earned at Davis University.

For bachelor’s degrees, up to 75% of the total credit hours required in the program may be transferred into the program.

Transferred credits will be counted as earned hours only and will not be calculated in the student’s GPA. Credits earned are honored provided they are included in the Davis academic program for which the student has enrolled and a minimum grade of “C” has been received.

Transferred credits from an institution that has dual enrollment agreement with Davis University may transfer in earned hours and grades which will be calculated in the student’s GPA.

Courses taken in the last seven years will be evaluated for transfer. Courses older than seven years will be evaluated only if deemed current and relevant. No nursing credits older than seven years will be accepted. 20 Credits may be awarded as course equivalent credit. Credit for coursework which has no Davis University equivalent may be awarded as elective credit with a XXX000 course number (e.g., HUM000, Humanities elective). Coursework in the major technology (technical areas) may be subject to validation by appropriate faculty.

Credit Transfer Appeal Policy

If a student or prospective student does not agree with a decision by the Registrar regarding a credit transfer from another institution, the student may appeal by following these steps:

- Submit a request in writing to the Registrar for re-evaluation. The student may be asked for more supporting documentation about the request, such as a syllabus. The Registrar will re-evaluate the request and confirm the decision in writing, stating the rationale for the decision.
- If the student is not satisfied with the decision at Step 1, the student may contact an instructor and/or the Program Director for the appropriate academic area. The student may be asked for more supporting documentation about the request. The instructor/Program Director will re-evaluate the request and confirm his/her decision in writing, stating the rationale for the decision, and report the decision to the Registrar.

Dual Enrollment for High School Students

A high school student who is in the Advanced Placement (AP) program at his/her school can take classes at Davis University. These classes will apply toward a degree/diploma at Davis University. Requirements are:

- Proof of high school AP class(es)
- Proof of being at least 16 years old.
- There is no limit on the number of credits a student can take at Davis University.
- Policies as outlined in the Student Handbook apply to students in dual enrollment.

Real Estate Course Transfer Policy

The CE Shop Real Estate Pre-Licensing courses are not college credit courses in and of themselves, but are eligible for college credit. The real estate courses may be transferred in as elective credits in Davis University’s business programs.

Career Services

One of the outstanding benefits to Davis University graduates, at no additional cost, is job placement assistance. The mission of the Career Services Office is to provide recent graduates support in obtaining a job after college commensurate with their academic preparation, capabilities, and personal goals. The Career Services Office is the graduate’s link to the business community. Assistance in resume writing strategies, career portfolio development, job search, and networking is available to students. Although securing positions cannot be guaranteed, every effort is made to assist students with obtaining desirable employment. The Career Services Office is committed to each student’s success.

Counseling

Our professional staff and faculty members will help guide you to the proper resources either at Davis University or in our community. The Academic Services Office including advisors and faculty members are available for counseling concerning academic or personal problems.

Davis University Alumni Network

As the oldest institution of higher education in the Toledo area, Davis University is proud of our thousands of graduates who have contributed to the growth and success of our community. Many alumni have maintained ties with Davis University by serving on advisory committees, providing current students with externships, mock interviews, and hiring graduates.

The goal of the Alumni Association is to strengthen our ties with alumni and to encourage them to help us build bridges within the community.

Alumni are encouraged to share personal and/or professional accomplishments and updates on Davis University’s social media sites (Instagram, Facebook, LinkedIn, and X). We are eager to hear from alumni and learn what’s been happening in their lives.

Undergraduate Programs of Study

Allied Health

- Nursing (AAS)
- Healthcare Administration (AAB)
- Medical Assisting (AAS)
- Medical Assisting (D)
- Medical Billing and Coding (AAB)
- Medical Billing and Coding (D)
- Medical Administrative Assistant (C)

Business

- Bachelor of Science in Business (BS)
- Business Management (AAB)
- Accounting and Human Resources (AAB)
- Digital Marketing (AAB)
- Logistics and Supply Chain Management (AAB)
- Project Management (AAB)
- Real Estate Broker Certificate (C)

Design

- Graphic Design (AAB)
- Interior Design (AAB)
- Visual Communication Design (C)

Early Childhood

- Early Childhood Education (AAS)

STEM

- Bachelor of Science in Computer Science (BS)
- Data Science (AAS)
- Electrical and Computer Engineering (AAS)

Intensive Language Learning

- Intensive Language Learning Program (D)

Graduate Programs of Study

- Master of Science in Computer Science (MS)
- Master of Science in Management (MS)

- MS = Master of Science
- BS = Bachelor of Science
- AA = Associate of Arts
- AAB = Associate of Applied Business Degree
- AAS = Associate of Applied Science Degree
- D = Diploma
- C = Certificate

***Student may enroll in the associate degree program after successful completion of the diploma/certificate program.*

***Student may enroll in the bachelor's degree program after successful completion of the associate degree program.*

General Education Core

The General Education Core is an integral part of each degree program at Davis University. The General Education Core is designed to impart common knowledge, cultivate critical thinking, and develop the values needed by every educated person.

To this end, the General Education Core provides a foundation for comprehensive, lifelong learning and will enable a graduate to:

- Demonstrate effective written and oral communication in Standard English across academic and professional contexts.
- Apply critical thinking, abstract reasoning, and problem-solving skills to analyze and resolve complex situations.
- Locate, evaluate, and synthesize information from multiple sources to support informed decision-making.
- Read and interpret a variety of texts critically to construct meaning and support academic success.
- Demonstrate and apply active listening skills to integrate information and respond appropriately in academic and professional settings.

Each graduate of an associate degree program is required to complete the following hours of General Education courses to meet the Core Objectives:

- Communications - a minimum of 14 credit hours
- Humanities - a minimum of 4 credit hours
- Social Sciences - a minimum of 4 credit hours
- Mathematics - a minimum of 5 credit hours

Business Core

The Business Core reflects the University's commitment to meeting the demands of the business community we serve and is an essential part of each degree program. Business Core is designed to develop the character, teamwork, and professionalism that employers value.

To this end, the Business Core will enable a Davis University graduate to:

- Demonstrate professional behavior.
- Collaborate with people of different backgrounds, values, and experiences.
- Demonstrate knowledge of the foundations, functions, and practices of business.
- Utilize computer technology.
- Develop effective job search skills and employment documentation.

These learning outcomes are taught in various courses throughout the degree programs.

Academic Programs - Undergraduate Programs

ALLIED HEALTH DEPARTMENT

Nursing Associate Degree

The goal of the Davis University Nursing curriculum is to graduate students who possess the knowledge, skills, and attitudes (KSAs) to impact both individual and system approaches to patient safety and thus can transition readily into complex health care systems based on Quality and Safty Education for Nurses (QSEN competencies - Patient Centered Care, Safety, Teamwork and Collaboration, Evidence Based Practice, Quality Improvement, and Informatics). The six QSEN competencies are the foundation for program learning outcomes and are woven through each course objective (to include laboratory and clinical objectives). The nursing curriculum is presented as an in-person learning format. Students are expected to complete all laboratory and clinical hours, as this is a requirement from the Ohio Board of Nursing.

Upon completion of the program, the Davis University graduate will be prepared to:

- Demonstrate ethical and professional nursing roles that recognize the patient as a full partner and source of control. (Patient Centered Care)
- Provide safe and effective care, through individual performance and organizational processes, to patients that minimize risk of harm to patients, others, and self. (Safety)
- Exhibit effective communication skills by participating fully in the health care team in a way that fosters mutual respect and shared decision-making to achieve quality patient care. (Teamwork and Collaboration)
- Provide nursing care that utilizes critical thinking; based on current evidence, clinical expertise, patient preference, needs, and values. (Quality Improvement)
- Use current technology to manage patient information and other data to maximize safety and optimize health outcomes. (Informatics)

Nursing Associate Degree Program Outline

Course No.	Title	Cr. Hrs
COM121	Composition I	5
HUM201	Thinking Strategies	4
IDS110	Forum on Technology & Resources	1
MED118	Anatomy & Physiology A	4
MED119	Anatomy & Physiology B	4
MED270	Microbiology & Immunology	5
MTH102	Algebra I	5
SSC213	Introduction to Psychology	4
SSC230	Lifespan Development	5
NUR101	Fundamentals of Nursing with Lab/Clinical	8
NUR102	Pharmacology I with Lab	6
NUR201	Adult Health I with Lab/Clinical	8
NUR202	Pharmacology II with Lab	6
NUR203	Adult Health II with Lab/Clinical	9
NUR235	Maternal-Child Nursing with Clinical	5
NUR240	Mental Health Nursing with Clinical	5

NUR265	Nursing Leadership	4
NUR270	Adult Health III with Lab/Clinical	9

Total Program Credit Hours	97
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Healthcare Administration Associate Degree

The Healthcare Administration AAB program prepares students for entry-level health services administrator and health services manager positions. This program focuses on health systems planning, public health organization and management, public health policy formulation and analysis, finance, business and operations management, economics of health care, organizational and health communications, marketing, human resource management, and public health law and regulations.

Upon completion of the Associate of Applied Business degree with a major in Healthcare Administration, the Davis University graduate will be prepared to:

- Apply healthcare management principles to support the delivery of effective and efficient healthcare services.
- Analyze organizational processes to improve performance within healthcare systems.
- Evaluate strategies to address the needs of diverse patient populations and stakeholders.
- Apply healthcare laws, regulations, and ethical standards to ensure compliance and professional practice.
- Demonstrate effective communication and collaboration skills in healthcare environments.

Healthcare Administration Associate Degree Program

Course No.	Title	Cr. Hrs
ACC101	Accounting Principles I	4
HCA101	Introduction to Healthcare Admin.	5
HCA200	Healthcare Systems	5
HCA250	Healthcare Finance & Reimbursement	5
HCA275	Healthcare Data Analysis & Mgt.	5
HCA290	Healthcare Admin. Externship	3
MED106	Introduction to Medical Professions	4
MED118	Anatomy & Physiology A	3
MED119	Anatomy & Physiology B	4
MED270	Microbiology & Immunology	5
MGT102	Introduction to Business	5
MGT115	Human Resource Management	4
MGT220	Human Resource Law & Benefits	4
COM121	Composition I	5
COM122	Composition II	5
HUM-	Humanities Elective	4
MTH102	Algebra I	5
OAM223	Business Communications	4
SSC201	Economics	4
SSC230	Lifespan Development	5
SSC213	Introduction to Psychology	4
IDS102	Forum on Technology & Resources	1

Total Program Credit Hours	94
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Medical Assisting Associate Degree

The Medical Assisting program prepares the students for employment in medical offices and clinics as part of the health care team. Students will study both administrative and clinical procedures.

Upon completion of the Associate of Applied Science degree with a major in Medical Assisting, the Davis University graduate will be prepared to:

- Apply knowledge of medical terminology, anatomy and physiology, and common diseases and disorders to support patient care and clinical decision-making.
- Perform clinical procedures, including patient examinations, assisting with medical procedures and minor surgeries, and administering medications in accordance with safety standards.
- Demonstrate professional communication and ethical conduct when interacting with patients, families, and healthcare team members in diverse healthcare settings.
- Utilize administrative and clinical systems, including electronic health records (EHR), scheduling, and office procedures, to support efficient healthcare operations.
- Analyze and apply procedural and diagnostic coding principles to accurately document and support healthcare services.

Medical Assisting Associate Degree Program Outline

Course No.	Title	Cr. Hrs
MED101	Medical Terminology	4
MED106	Introduction to Medical Professions	4
MED114	Basic Billing & Coding	4
MED118	Anatomy & Physiology A	4
MED119	Anatomy & Physiology B	4
MED126	Administrative Procedures	4
MED135	Practice Management & Electronic Health Records	4
MED138	First Aid & Emergency Preparedness	3
MED206	Clinic I	4
MED207	Clinic II	4
MED251	Medical Assisting Externship	6
BUS138	CPR	1
CAS120	Word Processing	4
MGT102	Introduction to Business	5
OAM223	Business Communications	4
COM121	Composition I	5
COM122	Composition II	5
COM-	Communication Elective	4
HUM-	Humanities Elective	4
MTH102	Algebra I	5
SSC-	Social Science Elective	4
IDS110	Forum on Technology & Resources	5
Total Program Credit Hours		95

Medical Assisting Diploma

The Medical Assisting program prepares the students for employment in Allied Health care facilities as part of the allied healthcare team. Students will study both administrative and clinical procedures.

Upon completion of the program, the Davis University graduate will be prepared to:

- Apply knowledge of medical terminology, anatomy and physiology, and common diseases and disorders to support patient care and clinical decision-making.
- Perform clinical procedures, including patient examinations, assisting with medical procedures and minor surgeries, and administering medications in accordance with safety standards.
- Demonstrate professional communication and ethical conduct when interacting with patients, families, and healthcare team members in diverse healthcare settings.
- Utilize administrative and clinical systems, including electronic health records (EHR), scheduling, and office procedures, to support efficient healthcare operations.
- Analyze and apply procedural and diagnostic coding principles to accurately document and support healthcare services.

Medical Assisting Diploma Program Outline

Course No.	Title	Cr. Hrs
MED101	Medical Terminology	4
MED106	Introduction to Medical Professions	4
MED114	Basic Billing & Coding	4
MED118	Anatomy & Physiology A	4
MED119	Anatomy & Physiology B	4
MED126	Administrative Procedures	4
MED138	First Aid & Emergency Preparedness	3
MED139	Introduction to Clinical Procedures	4
MED206	Clinic I	4
MED207	Clinic II	4
MED251	Medical Assisting Externship	6
BUS138	CPR	1
Total Program Credit Hours		46

Medical Billing and Coding Associate Degree

The Medical Billing and Coding program prepares the students for employment in medical offices, clinics, medical billing companies, and insurance companies as part of the health care team. Students will be instructed in administrative skills using a practice management program and electronic medical record program. Students will analyze medical records, assign codes for procedures, services, and diagnoses for reimbursement purposes.

Upon completion of the Associate of Applied Business degree with a major in Medical Billing and Coding, the Davis University graduate will be prepared to:

- Apply knowledge of medical terminology, anatomy, physiology, and disease processes to accurately interpret healthcare documentation.
- Analyze and assign appropriate CPT, ICD, and HCPCS codes to ensure accurate coding, billing, and compliance with industry standards.
- Utilize healthcare administrative systems, including electronic health records (EHR) and practice management software, to support office operations and documentation.

- Demonstrate effective oral and written communication skills when interacting with patients, providers, and healthcare team members.
- Apply professional, ethical, and legal standards in all administrative and coding practices within healthcare settings.

Medical Billing and Coding Assocaite Degree Program Outline

Course No.	Title	Cr. Hrs
MED101	Medical Terminology	4
MED106	Introduction to Medical Professions	4
MED114	Basic Billing & Coding	4
MED118	Anatomy & Physiology A	4
MED119	Anatomy & Physiology B	4
MED122	Coding and Applications A	4
MED123	Coding and Applications B	4
MED135	Practice Management & Electronic Health Records	4
MED215	Advanced Billing & Coding	4
MED220	Medical Billing & Coding Capstone	4
MED226	Medical Insurance & Coding Externship	3
CAS122	Spreadsheet Applications	4
CAS120	Word Processing	4
MGT102	Introduction to Business	5
OAM223	Business Communications	4
COM121	Composition I	5
COM122	Composition II	5
COM-	Communication Elective	4
HUM-	Humanities Elective	4
MTH102	Algebra I	5
SSC-	Social Science Elective	4
IDS110	Forum on Technology & Resources	5
Total Program Credit Hours		92

Medical Billing and Coding Diploma

The Medical Billing and Coding program prepares the students for employment in medical offices, clinics, medical billing companies, and insurance companies as part of the health care team. Students will be instructed in administrative skills using a practice of management and electronic medical record program. Students will analyze medical records, assign codes for procedures, services, and diagnoses for reimbursement purposes.

Upon completion of the Diploma in Medical Billing and Coding, the Davis Univerisy graduate will be prepared to:

- Apply knowledge of medical terminology, anatomy, physiology, and disease processes to accurately interpret healthcare documentation.
- Analyze and assign appropriate CPT, ICD, and HCPCS codes to ensure accurate coding, billing, and compliance with industry standards.
- Utilize healthcare administrative systems, including electronic health records (EHR) and practice management software, to support office operations and documentation.
- Demonstrate effective oral and written communication skills when interacting with patients, providers, and healthcare team members.
- Apply professional, ethical, and legal standards in all administrative and coding practices within healthcare settings.

Medical Billing and Coding Diploma Program Outline

Course No.	Title	Cr. Hrs
MED101	Medical Terminology	4
MED106	Introduction to Medical Professions	4
MED114	Basic Billing & Coding	4
MED118	Anatomy & Physiology A	4
MED119	Anatomy & Physiology B	4
MED122	Coding & Applications A	4
MED123	Coding & Applications B	3
MED135	Practice Management & Electronic Health Records	4
MED215	Advanced Billing & Coding	4
MED220	Medical Billing & Coding Capstone	4
MED226	Medical Billing & Coding Externship	3
Total Program Credit Hours		43

Medical Administrative Assistant Certificate

The Medical Administrative Assistant program is designed to prepare competent entry-level medical administrative assistants for employment in medical offices and clinics as part of the allied health care team.

Upon completion of the Medical Administrative Assistant Program, the Davis University graduate will be prepared to:

- Apply knowledge of medical terminology to accurately interpret and communicate healthcare information.
- Perform administrative tasks, including scheduling, telephone communication, and documentation, to support daily operations in a healthcare setting.
- Utilize practice management systems and electronic health records (EHR) to manage patient information and office workflows.
- Demonstrate effective oral and written communication skills when interacting with patients, families, and healthcare team members.
- Apply professional and ethical standards when working with patients and healthcare professionals in an allied health environment.

Medical Administrative Assistant Certificate

Course No.	Title	Cr. Hrs
MED101	Medical Terminology	4
MED106	Introduction to Medical Professions	4
MED114	Basic Billing & Coding	4
MED126	Administrative Procedures	4
MED135	Practice Management & Electronic Health Records	4
MED253	Medical Admin. Assistant Externship	3
CAS120	Word Processing	4
COM202	Interpersonal Communication	4
IDS110	Forum on Technology & Resources	5
Total Program Credit Hours		36

BUSINESS DEPARTMENT

Bachelor of Science in Business

The Bachelor of Science in Business (BSB) provides a ladder for students with business interests to attain a baccalaureate degree. The BSB combines theoretical preparation and practical experience to prepare students for careers in business and connects students with externship sponsors in the community to assist in the development of employment opportunities.

Upon completion of the Bachelor of Science in Business, the Davis University graduate will be prepared to:

- Apply management theories and problem-solving strategies to analyze and address complex business challenges.
- Demonstrate effective communication, teamwork, and collaboration skills in professional business environments.
- Analyze business operations across functional areas to support organizational effectiveness and decision-making.
- Evaluate financial and operational data to inform strategic and managerial decisions.
- Integrate ethical, social, and global perspectives into responsible business practices and decision-making.

Bachelor of Science in Business Program Outline

Course No.	Title	Cr. Hrs
MGT213	Small Business Management	4
MGT301	Business Ethics	4
MGT305	Research Principles	4
MGT/MKT	Electives (MGT320, MGT325, MKT321, MKT325)	12
MGT410	Global Industries	4
MGT420	Organizational Behavior & Development	4
MGT425	Data Analytics	4
MKT201	Marketing Principles	4
MKT206	Principles of Selling	4
MKT310	Marketing Management	4
MGT450	Business Capstone	5
COM121	Composition I	5
COM122	Composition II	5
COM-	Communication Elective	4
COM400	Organizational Communication	4
HUM151	Literature & Culture	4
HUM201	Thinking Strategies	4
MTH102	Algebra I	5
MTH230	Algebra II	4
MTH310	Calculus	4
MTH330	Statistics	4
SCI-	Science Elective	4
SSC201	Economics	4
SSC301	Principles of Microeconomics	4
SSC302	Principles of Macroeconomics	4
OAM223	Business Communications	4
IDS110	Forum on Technology & Resources	5
Total Program Credit Hours		182

Accounting & Human Resource Associate Degree

Accounting and Human Resources graduates are highly valued members of many companies, ensuring important finance and HR tasks are completed to a high standard. They are responsible for a variety of essential duties, including managing accounts receivable/payable, payroll, and personal tax returns. They also provide mentorship and guidance to companies in areas of compensation and benefits, employee training and development, as well as recruiting and hiring.

Upon completion of the Associate of Applied Business degree with a major in Accounting and Human Resources, the Davis University graduate will be prepared to:

- Apply accounting principles to complete the accounting cycle and prepare accurate financial information.
- Analyze and interpret financial data to support organizational planning and decision-making.
- Apply human resources principles to develop and evaluate workforce management policies.
- Evaluate compensation, benefits, and organizational practices to support effective human resource management.
- Demonstrate effective communication, teamwork, and problem-solving skills in professional business contents.

Accounting & Human Resources Associate Degree Program Outline

Course No.	Title	Cr. Hrs
ACC101	Accounting Principles I	4
ACC102	Accounting Principles II	4
ACC109	Accounting Software Review	4
ACC111	Payroll Accounting	4
ACC135	Federal Income Tax	4
ACC225	Accounting/Human Resource Externship	3
BUS-	Business Elective	1
CAS122	Spreadsheet Applications	4
CAS212	Advanced Spreadsheets	4
MGT102	Introduction to Business	5
MGT110	Personal Finance	4
MGT115	Human Resource Management	4
MGT160	Human Resource Training & Development	4
MGT220	Human Resource Law & Benefits	4
MGT-	Management Elective	4
COM121	Composition I	5
COM122	Composition II	5
COM-	Communication Elective	4
HUM-	Humanities Elective	4
IDS110	Forum on Technology & Resources	5
MTH102	Introductory Algebra I	5
OAM223	Business Communications	4
SSC201	Economics	4
Total Program Credit Hours		93

Business Management Associate Degree

This program prepares the student for management positions in a variety of organizations. Students are provided with the skills necessary for planning, organizing, and directing activities that will lead to the effective fulfillment of organizational objectives. Students will develop a foundation in accounting, finance, marketing, and management while learning soft skills such as the ability to communicate, adapt, create, lead, and be a valued team member through simulations, group activities, discussions, and computer lab work

Upon completion of the Associate of Applied Business degree in Business Management, the Davis University graduate will be prepared to:

- Apply foundational business knowledge to analyze and address real-world organizational challenges.
- Utilize information systems and technology to support business operations and decision-making.
- Analyze data to solve problems and support managerial decision-making.
- Demonstrate effective communication, leadership, and teamwork skills in organizational settings.
- Apply ethical, legal, and global perspectives to business decisions and practices.

Business Management Associate Degree Program Outline

Course No.	Title	Cr. Hrs
ACC101	Accounting Principles I	4
ACC102	Accounting Principles II	4
BUS-	Business Elective	1
CAS122	Spreadsheet Applications	4
CAS-	Computer Elective	4
MGT102	Introduction to Business	5
MGT105	Business Law	4
MGT110	Personal Finance	4
MGT205	International Business	4
MGT211	Management Principles	4
MGT250	Business Management Externship	3
MKT201	Marketing Principles	4
MKT206	Principles of Selling	4
MGT/MKT	Management or Marketing Elective	8
OAM223	Business Communications	4
COM121	Composition I	5
COM122	Composition II	5
COM-	Communication Elective	4
HUM-	Humanities Elective	4
MTH102	Algebra I	5
SSC201	Economics	4
IDS110	Forum on Technology & Resources	5

Total Program Credit Hours 93

Digital Marketing Associate Degree

The Digital Marketing AAB program prepares students for a variety of positions in digital marketing, marketing, and advertising. The program focuses on providing a foundation in digital and social media marketing. Marketing strategies, data analytics, social media platforms, content marketing, and eCommerce are covered in this program.

Upon completion of the Associate of Applied Business Degree in Digital Marketing, the Davis University graduate will be prepared to:

- Apply digital marketing principles to develop and implement effective marketing strategies.
- Analyze digital platforms and consumer behavior to engage target audiences.
- Evaluate marketing data and analytics to inform data-driven decision-making.
- Develop integrated content and communication strategies aligned with organizational goals.
- Apply ethical and professional standards in digital marketing practices and online engagement.

Digital Marketing Associate Degree Program Outline

Course No.	Title	Cr. Hrs
DGM101	Digital Marketing Foundations	4
DGM103	Social Media Marketing Strategies	4
DGM201	Digital Marketing Analytics	4
DGM203	Content Management for Social Media	4
DGM202	Digital Marketing & eCommerce	4
DGM250	Digital Marketing Externship	3
MGT102	Introduction to Business	5
MGT205	International Business	4
MKT201	Marketing Principles	4
MKT206	Principles of Selling	4
MGT/MKT	Management or Marketing Elective	8
BUS-	Business Elective	1
CAS122	Spreadsheet Applications	4
CAS-	Computer Elective	4
COM121	Composition I	5
COM122	Composition II	5
COM-	Communication Elective	4
HUM-	Humanities Elective	4
IDS110	Forum on Technology & Resource	5
MTH102	Algebra I	5
OAM223	Business Communications	4
SSC201	Economics	4

Total Program Credit Hours 93

Logistics & Supply Chain Management Associate Degree

The Logistics and Supply Chain Management program prepares students to manage and coordinate logistical functions within an enterprise, from acquisition through receiving and handling. The student learns purchasing, inventory control, logistics planning, shipping and delivery management, transportation, quality control, resource estimation and allocation, and budgeting.

Upon completion of the Associate of Applied Business degree with a major in Logistics and Supply Chain Management, the Davis University graduate will be prepared to:

- Analyze supply chain systems to evaluate the flow of goods, services, and information.
- Apply process improvement strategies to enhance operational efficiency and effectiveness.

- Evaluate supply chain decisions using data and performance metrics.
- Apply ethical and sustainability principles in supply chain and operations management.
- Demonstrate effective communication and collaboration within supply chain and organizational environments.

Logistics & Supply Chain Management Associate Degree Program Outline

Course No.	Title	Cr. Hrs
MGT102	Introduction to Business	5
MGT205	International Business	4
MGT211	Management Principles	4
PRM101	Project Management Fundamentals	4
SCM101	Supply Chain Fundamentals	4
SCM103	Purchasing	4
SCM105	Inventory Management	4
SCM201	Quality Management	4
SCM206	Lean Six Sigma	4
SCM250	Logistics & Supply Chain Mgt.	3
	Externship	
MGT/MKT	Management/Marketing Elective	4
MGT/MKT	Management/Marketing Elective	4
BUS-	Business Elective	1
CAS122	Spreadsheet Applications	4
CAS-	Computer Elective	4
COM121	Composition I	5
COM122	Composition II	5
CAS122	Spreadsheet Applications	4
COM-	Communication Elective	4
HUM-	Humanities Elective	4
IDS110	Forum on Technology & Resources	5
MTH102	Algebra I	5
OAM223	Business Communications	4
SSC201	Economics	4

Total Program Credit Hours 93

Project Management Associate Degree

The Project Management program prepares students to apply quantitative and qualitative knowledge, skills, tools, and techniques to manage projects across a wide range of fields and occupations.

Upon completion of the Associate of Applied Business degree with a major in Project Management, the Davis University graduate will be prepared to:

- Apply project management principles to define scope, timelines, resources, and deliverables.
- Analyze project requirements and risks to support effective planning and execution.
- Apply project management methodologies and frameworks to support adaptive and efficient project delivery.
- Evaluate project performance and outcomes to support continuous improvement.
- Demonstrate effective communication, leadership, and collaboration with stakeholders and project teams.

Project Management Associate Degree Program Outline

Course No.	Title	Cr. Hrs
MGT102	Introduction to Business	5
MKT201	Marketing	4
MKT206	Principles of Selling	4
MGT205	International Business	4
MGT211	Management Principles	4
PRM101	Project Mgt. Fundamentals	4
PRM103	AGILE Fundamentals	4
PRM201	SCRUM Fundamentals	4
PRM203	Capstone Project	4
PRM250	Project Mgt. Externship	3
MGT/MKT	Management/Marketing Elective	8
BUS-	Business Elective	1
CAS122	Spreadsheet Applications	4
CAS-	Computer Elective	4
COM121	Composition I	5
COM122	Composition II	5
COM-	Communication Elective	4
HUM-	Humanities Elective	4
IDS110	Forum on Technology & Resources	5
MTH102	Algebra I	5
OAM223	Business Communications	4
SSC201	Economics	4

Total Program Credit Hours 93

Real Estate Broker Certificate

This program prepares the student to become a real estate broker in Ohio. Instruction includes negotiations and real estate transactions. In addition, the student will learn to write contracts and oversee transactions for real estate and purchasing activities.

Real Estate Broker Certificate Program Outline

Course No.	Title	Cr. Hrs
REA100	Real Estate Principles & Practices	2
REA105	Real Estate Law	2
REA110	Real Estate Finance	.5
REA115	Real Estate Appraisal	.5
MKT/MGT	Management/Marketing Elective	13
BUS-	Business Elective	1
MGT105	Business Law	4
MGT110	Personal Finance	4
MGT115	Human Resource Management	4
SSC201	Economics	4

Total Program Clock Hours 35

DESIGN DEPARTMENT

Graphic Design Associate Degree

The Graphic Design program focuses on developing the students’ creativity and problem-solving skills that are necessary to be a graphic designer. The program explores the relationship between clients and audience and how visual messages are created and delivered. Emphasis is placed on digital technology, utilizing the computer and software to create visual messages.

Upon completion of the Associate of Applied Business degree in Graphic Design, the Davis University graduate will be prepared to:

- Apply the elements and principles of design to create effective visual compositions and communicate ideas through visual language.
- Integrate typography, imagery, and layout to develop cohesive and purposeful design solutions that meet project goals.
- Utilize industry-standard design software and tools (e.g., page layout, image editing, and interactive media) to produce professional-quality work.
- Analyze and evaluate design work based on design principles, project requirements, and client needs to improve outcomes.
- Demonstrate creative problem-solving and effective communication skills when developing and presenting design solutions.

Graphic Design Associate Degree Program Outline

Course No.	Title	Cr. Hrs
DSN108	Drawing Foundations	5
DSN110	2D Design	5
DSN115	3D Design	5
DSN125	Typography	4
DSN131	Digital Layout & Print Publishing	5
DSN135	History of Graphic Design	4
DSN138	Digital Image Making	5
DSN140	Color Principles	5
DSN109	Drawing II	4
DSN120	Introduction to Graphic Design	5
BUS-	Business Elective	1
MKT101	Merchandising	4
MKT188	Merchandising Case Study	1
COM121	Composition	5
COM122	Composition II	5
COM201	Oral Communication	4
COM188	Oral Communication Case Study	1
HUM160	Art History	4
HUM188	Art History Case Study	1
MGT102	Introduction to Business	5
MTH102	Algebra I	5
SSC213	Introduction to Psychology	4
SSC188	Introduction to Psychology Case Study	1
IDS110	Forum on Technology & Resources	5

Total Program Credit Hours **96**

Interior Design Associate Degree

The Interior Design program is designed to prepare students for positions within the interior design profession. This program integrates problem-solving abilities, aesthetics, technical skills, and communication skills in planning and designing interior space.

Upon completion of the Associate of Applied Business degree with a major in Interior Design, the Davis University graduate will be prepared to:

- Apply management theories and problem-solving strategies to analyze and address complex business challenges.
- Develop space plans and floor plans that incorporate furniture, finishes,, and design elements to meet client needs and project goals.
- Utilize industry-standard technology, including computer-aided drafting (CAD) software, to produce professional design documents.

- Analyze and evaluate interior design solutions based on design principles, project requirements, and client expectations.
- Demonstrate creative problem-solving and effective communication skills when presenting and refining interior design concepts.

Interior Design Associate Degree Program Outline

Course No.	Title	Cr. Hrs
DSN108	Drawing Foundations	5
DSN109	Drawing II	5
DSN110	2D Design	5
DSN115	3D Design	5
DSN140	Color Principles	5
INT101	Introduction to Interior Design	5
INT122	History of Interior Design	5
INT130	Drafting Techniques	5
INT132	Computer Aided Drafting & Design	5
INT138	Textiles	5
BUS-	Business Elective	1
MGT102	Introduction to Business	5
MKT101	Merchandising	4
MKT188	Merchandising Case Study	1
COM121	Composition I	5
COM122	Composition II	5
COM201	Oral Communication	5
COM188	Oral Communication Case Study	1
HUM188	Art History	4
HUM188	Art History Case Study	1
MTH102	Algebra I	5
SSC213	Introduction to Psychology	4
SSC188	Introduction to Psychology Case Study	1
IDS110	Forum on Technology & Resources	5

Total Program Credit Hours **96**

***The Graphic and Interior Design programs are designed to be transfer programs. Davis University has articulations in place for you to easily move on and complete a bachelor’s program.*

Visual Communication Design Certificate

The Visual Communication Design Certificate program provides guided instruction, project-based learning, and exam preparation in Adobe Photoshop, Adobe Illustrator, and Adobe InDesign to prepare students for Adobe certifications in each of these areas.

Upon completion of the Certificate of Visual Communication Design, the Davis University graduate will be prepared to:

- Plan and create effective communications by utilizing multiple forms of digital media.
- Create print and digital publications.
- Use Adobe programs in a business setting and other real-world situations.
- Converse with marketing departments, advertisers, and sales teams to develop marketing strategies, prepare, and present concept layouts and designs.
- Demonstrate knowledge of technical implementation when using vectors, pixels, print, and digital media.

Visual Communication Design Certificate Program Outline

Course No.	Title	Clock Hrs
VCD108	Adobe Photoshop	30
VCD115	Adobe InDesign	30
VCD125	Adobe Illustrator	30
VCD125	Adobe Certified Associate (ACA) Exam Preparation	60
Total Program Clock Hours		150

EARLY CHILDHOOD EDUCATION DEPARTMENT

Early Childhood Education Associate Degree

The Early Childhood Education program prepares students for careers in early childhood settings. The coursework in this program assists students in formulating a developmentally appropriate approach to the education of young children. In addition, the program prepares the student for administrative positions within childcare settings.

Upon completion of the Associate of Applied Science Degree in Early Childhood Education, the Davis University graduate will be prepared to:

- Design developmentally appropriate learning experiences based on knowledge of child development domains.
- Implement classroom management theories and strategies to support positive behavior and effective early childhood environments.
- Analyze and resolve conflicts using developmentally appropriate and supportive guidance strategies.
- Integrate creative approaches, including art, music, and play, into early childhood curriculum to support whole-child development.
- Demonstrate professional communication and apply health and safety practices when working with children, families, colleagues, and the community.

Early Childhood Education Associate Degree Program Outline

Course No.	Title	Cr. Hrs
ECE102	Introduction to Early Childhood Education	4
ECE121	Early Childhood Development, Prenatal to Kindergarten	4
ECE130	Special Education in Early Childhood	4
ECE140	Art, Music, and Play for Early Childhood Education	4
ECE150	Early Childhood Health & Safety	4
ECE205	Guidance & Classroom Management in Early Childhood	4
ECE209	Emergent Literacy for Young Children	4
ECE211	Early Childhood Organization/ Administration/Licensing	4
ECE251	Early Childhood Education Externship	5
ACC101	Accounting Principles I	4
MGT102	Introduction to Business	5
MGT/MKT	Management/Marketing Elective	4
BUS138	CPR	1

OAM223	Business Communications	4
COM121	Composition I	5
COM122	Composition II	5
COM-	Communication Elective	4
CAS-	Computer Elective	4
HUM-	Humanities Elective	4
MTH102	Algebra I	5
SSC-	Social Science Elective	4
IDS110	Forum on Technology & Resources	5
Total Program Credit Hours		91

STEM DEPARTMENT

Bachelor of Science in Computer Science

The Computer Science program is designed to prepare graduates for a wide range of impactful roles in software engineering, systems architecture, web development, and distributed computing. Students develop in-depth technical competencies through hands-on exploration of operating systems, computer networks, algorithmic problem solving, full-stack application development, and advanced system design. This comprehensive approach equips learners with practical expertise in building modern software, designing resilient architectures, and mastering the tools and concepts that drive innovation in the tech industry.

Upon completion of the Bachelor of Science degree in Computer Science, the Davis University graduate will be prepared to:

- **Analyze and manage operating system functions:**
Demonstrate proficiency in core OS components such as process scheduling, memory allocation, file systems, and system security protocols. Understand how operating systems serve as the interface between hardware and software to enable efficient resource utilization.
- **Design and evaluate computer networks:**
Apply theoretical and architectural principles of computer networks to evaluate performance, diagnose connectivity issues, and implement secure, scalable networking solutions using the Internet protocol stack.
- **Model, design, and implement full-scale web and enterprise systems:**
Build responsive user interfaces using modern frameworks such as React and Vue.js, and develop scalable server-side applications using Express.js, Django, or Flask. Apply RESTful API principles, database modeling, and authentication strategies. Translate business requirements into robust software solutions using systems analysis and architectural planning methodologies that emphasize both front-end aesthetics and back-end reliability.
- **Implement and optimize algorithms for complex problem solving:**
Solve algorithmic challenges using strategies such as dynamic programming, recursion, graph theory, greedy methods, and backtracking. Evaluate performance trade-offs to ensure optimal application behavior.
- **Engineer distributed software systems:**
Design architectures for distributed computing environments, incorporating concepts such as fault tolerance, message passing, synchronization, and distributed algorithms. Apply these models in cloud-based and peer-to-peer systems for scalable application development.

• **Deliver production-grade software solutions:**

Navigate the complete software development lifecycle (SDLC) - from requirements analysis through design and implementation to testing and refinement - while emphasizing maintainability, reliability, and performance in individual development projects

Bachelor of Science in Computer Science Program Outline

Course No.	Title	Cr. Hrs
DSC104	Introduction to Data Science	4
DSC106	Object-Oriented Programming (Python)	4
CAS122	Spreadsheet Applications	4
MTH102	Algebra I	5
DSC110	Programming with Data	4
ECT105	Digital Logic Systems	5
MTH230	Algebra II	4
MTH310	Calculus I	4
DSC202	Intermediate Programming with Data	4
DSC204	Foundation of Data Science	4
MTH312	Calculus II	4
DSC206	Large-Scale Information Storage & Retrieval	4
DSC208	Database Systems (SQL)	4
IDS110	Forum on Technology & Resources	5
COM121	Composition I	5
DSC210	Data Mining with Python	4
DSC212	Computational Methods for Data Analytics	4
COM122	Composition II	5
MGT102	Introduction of Business	5
DSC220	Data Visualization & Presentation (Power BI)	4
ECT101	Fundamentals of Programming & Problem Solving	5
ECT103	Fundamentals of Computer Science	5
ECT203	Digital Design & Computer Organization	5
ECT205	Computer Systems & Architecture	5
MTH330	Statistics	4
OAM223	Business Communications	4
ECT209	Electrical & Computer Engineering Capstone	5
CAS-	Computer Elective	4
SSC201	Economics	4
DGM203	Content Management for Social Media	4
DGM205	Digital Marketing & eCommerce	4
CSC300	Computer Operating System	5
CSC310	Computer Networks	5
CSC320	Information Systems Planning & Performance Architecture	5
CSC330	Algorithmic Strategies & Performance Evaluation	5
CSC340	Frontend Web Development	5
CSC350	Backend Web Development	5
CSC400	Distributed Computing I	5
CSC401	Distributed Computing II	5
CSC410	Software Engineering I	5
CSC411	Software Engineering II	5
Total Program Credit Hours		185

Data Science Associate Degree Program

The Data Science program is designed to prepare graduates for roles in various data-centric positions across a wide array of industries. Students will be endowed with the skills necessary for generating, analyzing, and interpreting complex datasets, leading to insightful and data-driven decision-making. Throughout the program, students will develop a foundation in analytical techniques, programming, data analysis, modeling, and data management, while also honing soft skills such as critical thinking, problem-solving, and effective communication through simulations, group activities, and hands-on lab work.

Upon completion of the Associate of Applied Science degree with a major in Data Science, the Davis University graduate will be prepared to:

- Apply analytical and computational methods to process and analyze structured and unstructured data.
- Manage data through collection, cleaning, transformation, and storage to ensure quality and usability.
- Develop and implement models and algorithms to solve data-driven problems.
- Analyze and visualize data to generate insights and support decision-making.
- Evaluate statistical and machine learning approaches for predictive and explanatory analysis.

Data Science Associate Degree Program Outline

Course No.	Title	Cr. Hrs
ECT103	Fundamentals of Computer Science	5
DSC104	Introduction to Data Science	4
DSC106	Object-Oriented Programming (Python)	4
DSC110	Programming with Data	4
DSC130	Data Management & Reporting	4
DSC202	Intermediate Programming with Data	4
DSC204	Foundation of Data Science	4
DSC206	Large-Scale Information Storage & Retrieval	4
DSC208	Database Systems (SQL)	4
DSC210	Data Mining with Python	4
DSC212	Computational Methods for Data Analytics	4
DSC220	Data Visualization & Presentation (Power BI)	4
MGT102	Introduction of Business	5
COM121	Composition I	5
COM122	Composition II	5
COM-	Composition Elective	4
HUM-	Humanities Elective	4
MTH310	Calculus I	4
MTH312	Statistics	4
OAM223	Business Communications	4
SSC201	Economics	4
IDS110	Forum on Technology & Resources	5
Total Program Credit Hours		97

Electrical & Computer Engineering Associate Degree

The Electrical and Computer Engineering Program is crafted to equip students with the expertise needed to excel in diverse engineering roles across multiple industries. Graduates will possess the skills to generate and interpret data, program effectively, design and implement engineering solutions, and work ethically and responsibly in societal contexts. The program fosters a strong foundation in computer technology, programming, laboratory practices, and engineering design, while instilling a deep sense of societal responsibility and ethical standards through simulations, hands-on projects, and collaborative activities.

Upon completion of the Associate of Applied Science degree with a major in Electrical and Computer Engineering, the Davis University graduate will be prepared to:

- Apply engineering principles and computational methods to analyze and solve technical problems.
- Design and implement systems or solutions that meet specified requirements and constraints.
- Conduct experiments and analyze data to support engineering decisions and innovation.
- Evaluate engineering solutions considering factors such as safety, sustainability, and efficiency.
- Demonstrate ethical responsibility, teamwork, and effective communication in engineering practice.

Electrical & Computer Engineering Associate Degree Program Outline

Course No.	Title	Cr. Hrs
ECT101	Fundamentals of Programming & Problem Solving	5
ECT103	Fundamentals of Computer Science	5
ECT105	Digital Logic Systems	5
ECT107	Circuits & Signals	5
ECT109	Fundamentals of Electronics	5
ECT201	Fundamentals of Electromagnetics	5
ECS203	Digital Design & Computer Org.	5
ECS205	Computer Systems & Architecture	5
ECT209	Electrical & Computer Engineering Capstone	5
DSC212	Computational Methods for Data Analytics	4
COM121	Composition I	5
COM122	Composition II	5
COM-	Communication Elective	4
HUM-	Humanities Elective	4
IDS110	Forum on Technology & Resources	5
MTH102	Algebra I	5
MTH230	Algebra II	4
MTH310	Calculus I	4
MTH312	Calculus II	4
SSC201	Economics	4
OAM223	Business Communications	4
Total Program Credit Hours		97

Intensive Language Learning

Intensive English Program (I.E.P) Certificate

The Intensive English Language Learning Program is designed to improve the English language proficiency of non-native speakers.

Upon completion, graduates, will be qualified to:

- Ask, understand, and respond appropriately to oral questions.
- Show improvement in pronunciation and rate of speech, grammar usage, and self-editing.
- Comprehend and use new vocabulary in different spoken and written contexts.
- Write simple, compound, and complex sentences.
- Write focused, coherent paragraphs with specific examples.

Intensive English Program (I.E.P.) Certificate Program Outline

Course No.	Title	Clock Hrs
IEP101	Practical English Level 1	132
IEP102	Practical English Level 2	132
IEP103	Practical English Level 3A	132
IEP203	Practical English Level 3B	132
IEP104	Academic English 4A	132
IEP204	Academic English 4B	132
IEP105	Academic English 5A	132
IEP205	Academic English 5B	132
Total Program Clock Hours		1056

Graduate Programs

Master of Science in Computer Science

Upon completion of the Master of Science in Computer Science, the Davis University graduate will be prepared to:

1. **Systems & Infrastructure**
 - Gain comprehensive knowledge of hardware architecture, operating system internals, and network design. Apply principles of resource management, system performance, and security to build resilient, scalable enterprise computing environments across diverse platforms.
2. **Software Engineering & Development**
 - Design and implement software systems using modern programming paradigms, especially Java-based development. Master concepts such as object-oriented design, multithreading, GUI creation, and advanced lifecycle methodologies to develop reliable, distributed applications.
3. **Data & Operations Management**
 - Develop database systems using normalization, modeling, and SQL to meet complex organizational needs. Apply operations strategy tools, including supply chain planning, statistical process control, and scheduling, to optimize business performance through technology integration.

4. Cloud, Networking, and Security

- Engineer distributed and cloud-based infrastructures with a focus on virtualization, automation, and service delivery. Evaluate and implement secure networking protocols, cryptographic standards, and enterprise defense systems to safeguard digital assets and ensure compliance.

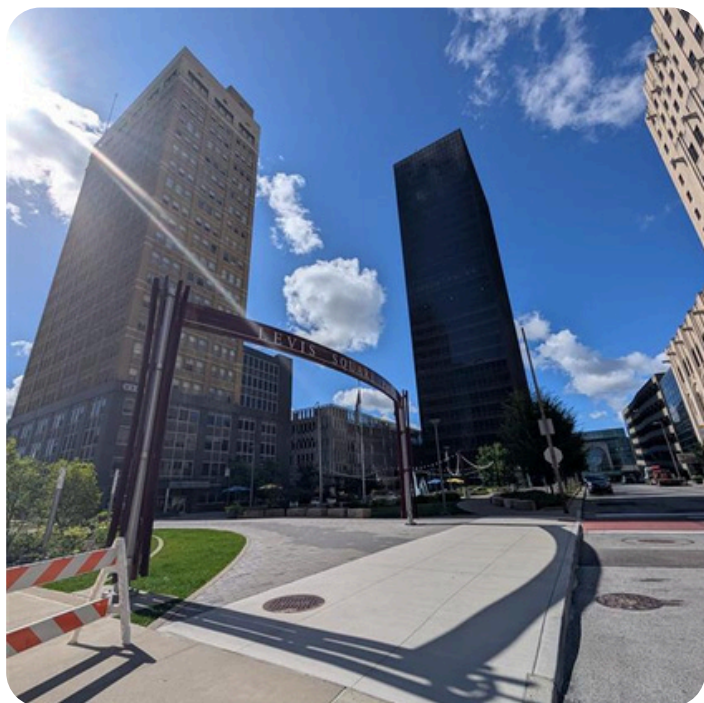
5. Project Leadership & Professional Practice

- Apply project management methodologies grounded in PMBOK principles to lead technology-driven initiatives. Navigate stakeholder engagement, cost and time management, and risk mitigation, while incorporating legal, ethical, and societal considerations into strategic decision-making.

Master of Science in Computer Science Program Outline

Course No.	Title	Cr. Hrs
CSC500	Emerging Tech-Driven Systems Development	5
CSC512	IT Infrastructure: Hardware & Software	5
CSC522	Operations Strategy within Information Systems	5
CSC535	Enterprise Systems & Information Management	5
CSC537	Enterprise Computer Networks	5
CSC542	Project Management for Information Systems	5
CSC600	Ethical, Legal, & Societal Dimensions of IT	5
CSC606	Advanced Software Engineering	5
CSC612	Advanced Cloud Computing	5
CSC633	Advanced Distributed Systems	5
CSC680	Enterprise Information & Network Security	5

Total Program Credit Hours **55**



Master of Science in Management

The Master of Science in Management is a graduate-level program designed to equip students with advanced knowledge and practical expertise in management, leadership, and data-driven decision-making. Building upon foundational business competencies, the program emphasizes critical thinking, problem-solving, team leadership, and the application of advanced analytics to real-world challenges. Students may specialize in one of three concentrations - Data Science Management, Marketing Management, or Project Management- allowing them to tailor their studies to professional interests and career goals.

Upon completion of the Master of Science in Management, the Davis University graduate will be prepared to:

- Master advanced management theories and practices to foster sustainable organizational effectiveness.
- Apply critical thinking and problem-solving methodologies to formulate innovative, real-world business solutions.
- Exhibit transformative leadership and team development skills to guide organizations through change.
- Leverage advanced data analytics for strategic decision-making and improved organizational outcomes.
- Develop and implement comprehensive marketing strategies grounded in research, consumer insights, and organizational objectives.

Core Courses

Course No.	Title	Cr. Hrs
COM523	Business Communication & Team Dynamics	4
MSM510	Managerial Decision Analysis	4
MSM512	Team Management & Conflict Resolution	4
MSM516	Financial Accounting for Managers	4
MSM522	Financial Management	4
MSM526	Design & Management of Organizational Processes	4
MSM623	Managerial Statistics & Analytics	4
MSM625	Capstone Research Projects	5

Concentrations (Choose 1 of 3)

Data Science Management

Course No.	Title	Cr. Hrs
DAS620	Data Visualization & Modeling	4
DAS621	Data Management Decisions & Reporting	4
DAS622	Data Mining Applications	4

Concentration Total **12**

Project Management

Course No.	Title	Cr. Hrs
PJM521	Enterprise & Project Management	4
PJM621	Leading Agile Project Management	4
PJM622	Project Management & Sustainability	4
Concentration Total		12

Marketing Management

Course No.	Title	Cr. Hrs
MKM520	Digital Marketing Analytics	4
MKM522	Research Design Methodologies & the Conduct of Research	4
MKM620	Management Analytics & Case Studies	4
Concentration Total		12
Total Program Credit Hours		45
Concentration (12) + Core (33)		





Course Descriptions

- The first number in parentheses in the number of lecture hours.
- The second number in parentheses is the number of lab hours.
- The third number in parentheses is the number of credit hours.
- Clock hours are indicated where applicable.
- ***These courses are offered on a limited basis

Accounting

ACC101 Accounting Principles I (3-2-4)

The student will complete the accounting cycle for a service business from recording transactions to producing financial statements and closing the books in preparation of a new fiscal period. The payroll process, cash flow accounting, and bank reconciliation are included. Problems will be worked on manually and on the computer.

ACC102 Accounting Principles II (3-2-4)

This course builds on the basics learned in Accounting Principles I. The steps in the accounting cycle are reinforced with a study of a merchandising business. Receivables, payables, uncollectible accounts, merchandise inventory, depreciation, and Generally Accepted Accounting Principles (GAAP) are studied.

Prerequisite: ACC101

ACT103 Principles of Financial Accounting (3-3-5)***

This course includes a study of the theory and practice of financial accounting, including the accounting cycle, analysis of financial statement transactions, financial statement preparation, accounting for assets, liabilities, equities, revenues and expenses, partnership, statement of cash flow, etc.

ACC109 Accounting Software Review (2-4-4)

This course introduces QuickBooks commercial accounting software utilizing a hands-on approach. Topics covered in the course include vendors, customers, period-ending procedures, receivables, payables, inventory, payroll, and setting up a company.

Prerequisite: ACC101

ACC111 Payroll Accounting (3-2-4)

This course encompasses the fundamental skills and basic knowledge of business payroll. The rules and regulations governing the payroll process will be explored in this course. The student will become familiar with calculating gross pay using various methods, Social Security and Medicare taxes, federal and state income taxes, and federal and state unemployment taxes.

Prerequisite: ACC101 and CAS122 or equivalent.

ACC135 Federal Income Tax (4-0-4)

This course will explore fundamentals, terminology, and reporting for individual income tax returns. Students learn how to prepare individual tax returns, including the appropriate schedules, manually. Topics covered include analysis of tax problems, identification of tax issues, income inclusion and exclusion, deductible business and non-business expenses, gains and losses, tax credits, special taxes, and current tax laws and procedures.

ACC199 Independent Study/Seminar (1-5) Credit Hours

The student will have the opportunity to research a topic or work on a project in the field of accounting. (Permission of the Business Department Program Director and the Vice President of Academic Services is required).



ACC225 Accounting/Human Resource Externship (0-9-3)

Students will work on a specific project(s) or participate in an off-campus externship related to their area of study. This course will provide students with opportunities to integrate the academic curriculum with supervised work activities in both private and public sectors to gain real-world experience.

ACC400 Managerial Accounting (3-2-4)

Students will be introduced to the fundamental concepts of Managerial Accounting, appropriate for all organizations, to assist in making sound business decisions regarding overall business management. This course will examine information from the entity’s accounting system relevant to decisions made by managers and internal users as distinguished from information relevant to users who are external to the company. The emphasis is on the identification and assignment of product cost, operation budgeting and planning, cost control, and management decision making. Topics include product costing methodologies, cost behavior, operational and capital budgeting, and performance evaluation.

Prerequisite: ACC102, MTH102, and MTH310

ACC402 Principles of Managerial Accounting (3-3-5)***

This course provides an overview of the specialized areas of managerial accounting, including the use of accounting information for planning and control, capital investment, performance evaluation, decision-making, cash flow statements, financial statement analysis, etc. (Limited Offering)

ACC410 Introduction to Corporate Finance (5-0-5)

Students will be introduced to the methods and concepts used by corporate financial managers to make profitable investment decisions. Topics such as venture capital, valuation, risks and returns, financial strategy, mergers and acquisitions, management communication, business law, and dividend returns are examined in this class. Students will also learn how companies raise money for investments and the risks associated with those endeavors.

Prerequisites: ACC101, ACC102, MTH102, MTH301

BUS138 CPR (1-0-1)

In this course, students will become CPR certified. Students learn how to maintain a safe work environment by identifying emergencies in the workplace and how to respond to them.

BUS142 Basic Money Management (1-0-1)

In this web-based course, students will learn basic personal finance concepts that will allow them to understand basic money management fundamentals such as income, expenses, assets, liabilities, and risk management. The knowledge gained from this course will allow students to incorporate these concepts into their everyday lives, thus providing them with knowledge and skills that will last a lifetime.

BUS146 Business Networking (1-0-1)

This interactive course is designed to prepare students to develop and execute an action plan for creating their personal mission statement, developing networking relationships, and expanding their network. Students will learn to use best practices to become more comfortable with their interpersonal skills and learn how to think on their feet. Assignments will include reflection papers, attendance at networking events, and the creation of a written action plan.

BUS154 Issues in Leadership (1-0-1)

Students will explore behaviors and concepts related to leadership topics of interest.

BUS156 Leadership and Team Dynamics (1-0-1)

Team building, teamwork, and team leadership draws information from a wide variety of disciplines to introduce students to the ever-important topic of teaming.

BUS199 Independent Study/Seminar (1-5 Credit Hours)

The student will have the opportunity to research a topic or work on a project in the field of business. (Permission of the Business Department Program Director and Vice President of Academic Services is required).

Fine Arts Courses

ART100 Systems of Drawing (5 Credits)***

This course introduces fundamental drawing practices through observation, perception, and the study of visual form. Students explore line, shape, value, proportion, spatial relationships, and composition through drawing from observation and a variety of subjects and media. Emphasis is placed on developing visual perception, technical skills, and drawing as a tool for visual thinking and artistic expression.

Prerequisite: None

ART110 Visual Language (5 Credits)***

This course introduces the principles and elements of visual language through studio-based exploration and creative problem-solving. Students investigate line, shape, color, texture, space, form, composition, and visual relationships to develop effective visual communication. Emphasis is placed on experimentation, conceptual development, critique, and the use of visual elements to communicate ideas and meaning.

Prerequisite: None

Computer Applications

CAS120 Word Processing (2-4-4)

This course introduces and develops the basic procedures of entering, editing, formatting, printing, and storing documents using word processing software. Also studied are intermediate procedures such as find-and-replace, bullets and numbering, tabs and tabbed columns, and headers and footers.

CAS122 Spreadsheet Applications (2-4-4)

This course provides the tools necessary to create and use basic spreadsheet techniques employing Microsoft Excel. Concepts include preparing an Excel workbook, enter and editing data, inserting formulas, formatting the worksheet, create and edit charts and graphics, save, and print workbooks.

CAS138 Presentation Graphics (2-4-4)

This course introduces students to the basics of presentation graphics software. Students will develop basic oral presentation skills with emphasis placed on enhancing these presentations utilizing an electronic slide show. Lab time will be spent on developing a variety of slide shows which incorporate features such as animation, transitions, embedded graphics, tables, and charts.

CAS212 Advanced Spreadsheet Applications (2-4-4)

Students will generate and edit complex spreadsheets employing Microsoft Excel. Students will create complex formulas and functions, perform data lookups, produce IF statements, create/manage/format pivot tables and pivot charts, apply custom conditional formatting, construct and manage scenarios, work with sparklines, and use Goal Seek and Solver.

Prerequisites: CAS122

Communication

COM102 Introduction to Writing (1-0-1)

Course content will focus on the basics of Standard English, including parts of speech, correct sentence structure, and proper punctuation and mechanics.

COM121 Composition I (5-0-5)

Students will gain a foundation in college-level writing, which is valuable in nearly any field. This course focuses not only on writing but also on reading and critically engaging in various texts. Students will read and write essays for a variety of rhetorical purposes: observing, explaining, investigating, evaluating, problem-solving, and arguing. Also includes library and electronic research culminating in research papers.

COM131 Elementary Japanese I (5-0-5)***

This course provides an introduction to the Japanese language and culture. Students will develop basic speaking, listening, reading, and writing skills in Japanese while gaining an understanding of Japanese culture and communication practices.

COM135 Elementary French (5-0-5)***

This is an introductory course to the fundamentals of French grammar and vocabulary. Students will develop language skills by listening, speaking, reading, and writing in French. The course also emphasizes a multicultural understanding of French and Francophone cultures.

COM141 Technical Writing (5-0-5)***

This course focuses on the forms, formats, and genres of technical writing. Students are given opportunities to practice creating proposals, reports, applications, memos, resumes, emails, articles, or technical essays, and oral presentations.

COM143 Technical & Business Writing (5-0-5)***

In this course, students will learn to write professionally for management purposes, including analyzing real-world situations to understand how and why documents fulfill their purpose in professional settings, exploring the importance of document design, and developing skills to effectively address the needs of clients and coworkers.

COM199 Communication Seminar (1-5 Credit Hours)

This course is designed to provide students with the opportunity to explore specific topics/projects in the field of communication. (Permission of the General Education Department Program Director and Vice President of Academic Services is required.)

COM201 Oral Communication (4-0-4)

This course prepares students for a variety of academic and other situations in which formal presentations are required. Topics will include cultural conventions and speech, perceptions of others, verbal and nonverbal messages, and techniques of oral presentation and persuasion. Students will learn how to research, outline, and deliver short, informal presentations as well as longer speeches. This course will give you the opportunity to develop and strengthen skills in preparing and presenting public oral presentations in a variety of situations.

COM202 Interpersonal Communication (4-0-4)

This course emphasizes interpersonal communication as a process. In this course, students will be introduced to concepts historically central to interpersonal communication research. Interpersonal skills examine basic verbal and nonverbal elements affecting communication between individuals and family, peer groups, work, and social contexts. Students will learn strategies for managing self-disclosure, defensiveness, assertiveness, persuasion, emotional intelligence, and conflict. Through participation in class activities and assignments, students are encouraged to develop skills appropriate to managing communication problems experienced in real-life situations.

COM203 Speech Communication (5-0-5)***

This course is to develop basic speaking and listening skills of students through the delivery of speeches. It provides a basis for understanding the discipline of communication and the opportunity for students to develop and strengthen skills in preparing and presenting public oral presentations in a variety of situations. Students will learn how to research, outline, and deliver short, informal presentations as well as longer speeches.

COM204 Intercultural Communication (5-0-5)***

This course provides an introduction to foundational and contemporary concepts, practices, and processes in intercultural communication. Students will study cultural awareness, cultural sensitivity, and techniques for effective communication in global contexts.

COM250 Introduction to Research Methodology (4 Credits) ***

This course provides an introduction to the principles and practices of academic research. Students learn to formulate research questions, conduct literature reviews, develop research designs, and apply qualitative and quantitative research methods. Topics include data collection, sampling, basic data analysis, research ethics, and the interpretation and presentation of research findings. Students apply research methods through hands-on activities and a research project. Prerequisite: None

COM400 Organizational Communication (4-0-4)

This course studies contemporary philosophies, methods, and designs for studying communication systems within organizations of varying sizes. This course also considers organizational needs assessment and a variety of methods available for improving communication in organizations. To large extent, in-class discussions will address the more sensitive and challenging issues facing managers and employees in their efforts to communicate with each other. Through lectures, discussions, and activities, this course will focus on communication as a process and a skill that can help individuals and their organizations gain a competitive advantage. Prerequisite: COM122

Computer Programming

CDP100 Principles of Computer Programming (5-0-5)***

This course introduces and develops the basic procedures of entering, editing, formatting, printing, and storing documents using word processing software. Also studied are intermediate procedures such as find-and-replace, bullets and numbering, tabs and tabbed columns, and headers and footers.

CDP110 Introduction to Software Development with Python (4 Credits)***

This course introduces fundamental programming concepts, algorithmic problem-solving, and software development using Python. Students will learn to design, implement, test, and debug programs using data types, control structures, functions, and basic data structures. Topics include file processing, exception handling, recursion, and an introduction to object-oriented programming and graphical user interfaces. Students will apply programming and computational problem-solving skills through hands-on exercises and projects.

CDP201 Object-Oriented Software Design with Java (4 Credits)***

This course builds upon foundational programming concepts to provide a comprehensive study of object-oriented software design and implementation using Java. Students will learn to design and develop solutions using core OO principles, including encapsulation, inheritance, polymorphism, and abstraction. Topics include classes and objects, interfaces, abstract classes, exception handling, file I/O, and an introduction to GUI and event-driven programming. Students will apply these concepts through hands-on programming projects, emphasizing software design, debugging, coding standards, and unit testing.

Prerequisite: CDP100 or CDP110

Computer Science

CSC300 Computer Operating System (5-0-5)

This course explores the foundational principles and architecture of modern operating systems. Students will examine how operating systems serve as the interface between hardware and software, enabling efficient program execution, resource management, and user interaction. Emphasis is placed on the design and functionality of core OS components, including process scheduling, memory allocation, file systems, and security protocols.

Prerequisites: ECT106

CSC310 Computer Networks (5-0-5)

This course introduces the essential principles and technologies that underpin modern computer networks. This course emphasizes theoretical foundations and the architecture of network systems. Students begin with a broad overview of networking concepts, terminology, and historical context, then progress through a top-down exploration of the Internet protocol stack - from application to physical layers. The course concludes with an examination of wireless and mobile networking technologies. Designed for accessibility.

Prerequisites: CSC300

CSC320 Information Systems Planning & Architecture (5-0-5)

This course provides students with a comprehensive foundation in the theory and application of systems analysis and design. Learners explore how information systems are planned, specified, and implemented to meet real-world business needs. Through object-oriented and use-case-driven approaches, students gain hands-on experience solving practical problems by modeling, designing, and refining system solutions.

Prerequisites: DSC106 or DSC110

CSC330 Algorithmic Strategies & Performance Evaluation (5-0-5)

This course focuses on core algorithmic techniques used in solving medium- to hard-level problems commonly found in technical interviews. Topics include dynamic programming, graph algorithms, recursion, greedy methods, backtracking, and advanced data structures. Students will evaluate performance trade-offs and build efficient solutions to algorithmic challenges modeled after platforms like LeetCode.

Prerequisites: DSC104

CSC340 Fronted Web Development (5-0-5)

This course introduces students to modern front-end web development practices, emphasizing the creation of responsive, interactive, and visually engaging user interfaces. Learners will gain foundational knowledge in HTML, CSS, and JavaScript, and explore contemporary front-end frameworks such as React and Vue.js. The course also covers UI/UX design principles, introducing design tools like Figma to bridge prototyping with implementation. Through practical projects, students will develop real-world skills in building dynamic, user-centered web applications. No coding experience required.

CSC350 Back-end Web Development (5-0-5)

This course introduces the core principles and technologies behind server-side web development. Students will learn how to build and manage APIs, connect to databases, and structure backend services using modern frameworks such as Express.js, Django, or Flask. Topics include RESTful API design, data modeling, authentication, and deployment. Practical tools like Postman, Git, Docker, and cloud platforms will be explored to simulate real-world backend workflows.

Prerequisites: DSC105 or DSC110

CSC400 Distributed Computing I (5-0-5)

This course introduces the foundational concepts and models of distributed systems, focusing on system architecture, communication protocols, and synchronization methods. Students explore how independent computing nodes coordinate and share resources across a network. Topics include client-server architecture, message passing, concurrency, fault tolerance, and distributed algorithms.

Prerequisites: CSC320

CSC401 Distributed Computing II (5-0-5)

Building on the principles from CSC400, this course delves into advanced distributed computing topics such as consistency models, distributed databases, peer-to-peer systems, and cloud-based architectures. Students examine real-world applications involving scalability, replication, security, and distributed file systems. Practical exercises may include the implementation of consensus algorithms and middleware design.

Prerequisites: CSC400

CSC410 Software Engineering I (5-0-5)

This course introduces the principles and practices of software engineering with a focus on individual development. Students learn the full software development lifecycle (SDLC), including requirements analysis, system modeling, design methodologies, implementation strategies, and testing techniques. Emphasis is placed on applying engineering discipline to build maintainable, scalable, and reliable software systems. Through a solo project, students gain hands-on experience in translating user needs into functional software, supported by documentation, diagrams, and iterative development. Prerequisites: CSC340 & CSC350

CSC411 Software Engineering II (5-0-5)

Building on the foundation of Software Engineering I, this course focuses on advanced software engineering concepts and the delivery of a robust, production-ready system. Students refine their individual projects or initiate new ones, incorporating formal specification methods, software reliability techniques, and quality assurance practices. Topics include fault tolerance, software metrics, automated testing, and deployment strategies. The course culminates in a public demonstration and retrospective analysis, emphasizing professional-grade documentation and engineering rigor. Prerequisites: CSC410

CSC500 Emerging Tech-Driven Systems Development (3-4-5)

This graduate course introduces students to modern Java programming techniques with a focus on emerging technologies in systems development. You'll explore key concepts like object-oriented design, multithreading, GUI creation, exceptions, and data management. The course also touches on enterprise tools like Java Beans and Java 3D. Ideal for students with little or no Java experience, it builds independent programming skills that form the foundation for advanced courses in-commerce, web tech, and distributed systems.

CSC512 IT Infrastructure: Hardware & Software (5-0-5)

This graduate course introduces the foundations of hardware and software architecture essential for designing and managing modern computing systems. You'll examine single-user, central, and networked system structures, explore operating system internals, and gain hands-on insight into microprocessor design, memory organization, process management, and system security. Ideal for aspiring systems developers, it equips you with the technical fluency to evaluate architectural trade-offs and optimize systems in business and scientific environments.

CSC522 Operations Strategy within Information Systems (5-0-5)

This graduate course explores key tools and concepts used to manage operations across service- and product-driven organizations. With a focus on the IT professional's role, you'll dive into topics such as statistical process control, product design, supply chain strategies, inventory systems, resource planning, and project scheduling. Ideal for students looking to understand how technology supports operational success, especially in a globalized business environment, it builds the skills needed to design and evaluate systems that enhance performance and competitiveness. Prerequisite: CSC535

CSC535 Enterprise Systems & Information Management (5-0-5)

Explore how databases support organizational information needs through practical skills in data modeling, normalization, SQL, and database management. This course focuses on helping hybrid managers bridge the gap between technical teams and decision-makers using data tools to drive business value.

CSC537 Enterprise Computer Networks (3-4-5)

Learn how to design and manage enterprise-wide networks through foundational topics such as addressing, cabling, protocols, and wireless systems, aligned with CompTIA Networks+ standards. Dive into advanced areas such as segmentation, security, and performance, while gaining hands-on experience and exploring emerging networking technologies through workshops and research.

CSC542 Project Management for Information Systems (5-0-5)

This graduate course equips IT professionals with the knowledge and tools needed to manage technology-focused projects effectively. Grounded in the Project Management Body of Knowledge (PMBOK), it offers an integrated view of project concepts, skills, and tools - from scope, time, and cost management. Students gain insight into both technical and managerial aspects of project leadership, building the capacity to guide teams, align project outcomes with business goals, and thrive within cross-disciplinary environments. Prerequisite: CSC500

CSC600 Ethical, Legal, and Societal Dimensions of IT (5-0-5)

This graduate course equips students with the intellectual tools to evaluate and justify ethical decisions in the IT realm. Through intensive reading, research, and debate, learners examine privacy, intellectual property, computer crime, workplace ethics, globalization, and emerging social systems - all within relevant legal and cultural contexts. Featuring dynamic discussions tied to current events, the course fosters critical thinking and collaborative exploration. Activities range from team debates and wiki creation to personal research and public forums, helping students navigate complex moral challenges and advocate for responsible tech leadership.

CSC606 Advanced Software Engineering (5-0-5)

This graduate course explores current research challenges and advanced methodologies in software engineering. Covering key stages of the software development lifecycle - such as requirements analysis, design, implementation, maintenance, and engineering processes - students engage with both foundational principles and emerging trends. Through examples and readings from peer-reviewed literature, the course prepares future researchers and practitioners to contribute innovative solutions and lead development initiatives across industries. Whether you're entering research or managing real-world projects, you'll gain the insight and skills to navigate software engineering with confidence and creativity.

CSC612 Advanced Cloud Computing (5-0-5)

This graduate course delivers a professional foundation in cloud technologies, preparing students to pass industry-recognized certification exams. Covering topics like virtualization, cloud networking, automation, and security, the first part of the course is completed independently to build core competencies. In the second part, students collaborate on advanced research through proposal and paper presentations, with an emphasis on innovation in cloud applications. Prerequisite: CSC512 & CSC537

This course positions learners to centralize and optimize computing services for users and organizations, and to contribute to the evolving field through original research and applied practice.

CSC633 Advanced Distributed Systems (5-0-5)

This graduate course explores key principles and emerging technologies in distributed systems, including communication, synchronization, replication, fault tolerance, and security. Students examine cutting-edge architectures such as peer-to-peer networks, grid computing, web services, and cloud platforms, with a focus on virtualization and self-managed systems. Blending theory with hands-on experience, the course features design-oriented assignments and a practical project involving the implementation of a real distributed system. Through cloud computing modules and research-driven activities, learners gain insight into provisioning, migration, and cross-platform interoperability across modern infrastructures. Prerequisite: CSC537

CSC680 Enterprise Information & Networks Security (5-0-5)

Explore key concepts in enterprise security, including cryptography, authentication, vulnerabilities, and threat mitigation. This course covers protocols, standards, and system defenses like firewalls and VPSs, while emphasizing security management practices and regulatory frameworks. Students gain hands-on experience through research and problem-based assignments. Prerequisite: CSC512 & CSC537

Data Science

DSC104 Introduction to Data Science (4-0-4)***

Abstract Data Types using core programming library classes (such as stacks, queues, linked lists, and binary trees); Recursion; Sorting and Searching. Prerequisites: ECT101

DSC105 C++ Programming (2-4-4)***

This course provides an introduction to object-oriented programming and the C++ programming language. Students will learn how to create, document, run, and debug programs. Topics include variables, classes, objects, selection statements, iteration, strings, arrays, pointers, and functions.

DSC106 Object-Oriented Programming (Python) (4-0-4)***

The design and implementation of software using object-oriented programming techniques, including inheritance, polymorphism, object persistence, and operator overloading. Students will analyze program specifications and identify appropriate objects and classes. Additional programming topics include dynamic memory, recursion, using existing objects, libraries, and binary/ASCII file processing. Prerequisites: ECT101

DSC107 Introduction to Java Programming (3-5-5)***

This course introduces fundamental concepts of the Java language, including object-oriented programming and the basics of user interface programming. Topics include techniques of program structure, design, and type.

DSC108 Introduction to Programming with Python (3-4-5)***

This course covers an introduction to Python programming basics. The course covers data types, control structures, functions, parameter passing, library functions, etc.

DSC109 Fundamentals of Data Structures (3-4-5)***

This course covers the fundamentals of logical data structures and their implementation. Topics include stacks, queues, linked lists, decision trees, searching, sorting, and data analysis. The efficiency and effective use of data structures and algorithms in solving problems will also be covered.

DSC110 Programming with Data (4-0-4)***

Introduces programming for data and information science through case studies in business, sports, education, social science, economics, and the natural world. Presents key concepts in programming, data structures, and data analysis through Python and Excel. Integrates the use of data analytics libraries and tools. Surveys techniques for acquiring and programmatically integrating data from different sources. Explains the data analytics pipeline and how to apply programming at each stage. Discusses the programmatic retrieval of data from application programming interfaces (APIs) and from databases. Introduces predictive analytics for forecasting and classification. Demonstrate the limitations of statistical techniques.

DSC111 Introduction to C++ Programming (3-4-5)***

Introduction to object-oriented programming and the C++ programming language. Students will create, document, run, and debug programs. Topics mainly include variables, classes, objects, selection, iteration, strings, arrays, pointers, and functions.

DSC113 Computer Programming (3-3-5)***

This course introduces the basic concepts of object-oriented programming, including class design, simple data types, arithmetic, and logic operators, repetition structures, arrays and object data structures, problem-solving, algorithm design, procedural abstractions and software design, modular programming, debugging, testing, and documentation.

DSC114 Computer Programming II (3-3-5)***

In this cours, we will continue to study the basic concepts of programming applied to problem-solving and the major data streutres and their use in computer science.

DSC130 Data Management & Reporting (4-0-4)

The student is introduced to the theory and application of database management. Students design and build a database on personal computers using Microsoft Access.

DSC202 Intermediate Programming with Data (4-0-4)

Offers intermediate-to-advanced Python programming for data science. Covers object-oriented design patterns using Python, including encapsulation, composition, and inheritance. Advanced programming skills cover software architecture, recursion, profiling, unit testing and debugging, lineage and data provenance, using advanced integrated development environments, and software control systems. Uses case studies to survey key concepts in data science, with an emphasis on machine learning (classification, clustering, deep learning), data visualization, and natural language processing. Prerequisites: DSC110

DSC204 Foundation of Data Science (4-0-4)

Introduces core modern data science technologies and methods that provide a foundation for subsequent Data Science classes. Covers: working with tensors and applied linear algebra in standard numerical computing libraries (e.g., NumPy);

processing and integrating data from a variety of structured and unstructured sources; introductory concepts in probability, statistics, and machine learning; basic data visualization techniques; and now standard data science tools such as Jupyter notebooks.

Prerequisite: DSC202

DSC206 Large-Scale Information Storage & Retrieval (4-0-4)

Introduces data and information storage approaches for structured and unstructured data. Covers how to build large-scale information storage structures using distributed storage facilities. Explore data quality assurance, storage reliability, and challenges of working with very large data volumes. Studies how to model multidimensional data. Implements distributed databases. Considers multiter storage design, storage area networks, and distributed data stores. Applies algorithms, including graph traversal, hashing, and sorting, to complex data storage systems. Considers complexity theory and the hardness of large-scale data storage and retrieval. Requires use of nonrelational, document, key-column, key-value, and graph databases and programming in R, Python, and C++.

Prerequisite: DSC104

DSC208 Database Systems (SQL) (4-0-4)

This course offers lectures, laboratory, and online interaction to provide a foundation in data management concepts and database systems. It includes representing information with the relational database model, manipulating data with an interactive query language (SQL) and database programming, database development including internet applications, and database security, integrity, and privacy issues.

DSC210 Data Mining with Python (4-0-4)

Data mining (or Data Science in general) is the science of discovering structure and making predictions in large, complex data sets. This course serves as an introduction to data science/data mining methods. Students will learn Python for predictive and descriptive analytical tasks. They will also learn to assess the predictive and practical utility of various methods, challenges, and research frontiers in data mining.

Prerequisites: DSC106 and DSC204

DSC212 Computational Methods for Data Analytics (4-0-4)

This course studies the ways in which enterprises such as businesses, non-profits, and governments can use data to gain insights and make better decisions. This foundational course will provide students with the hands-on skills and knowledge to gather, describe, and analyze data and make meaningful recommendations. Students will also learn how to use advanced statistical tools to make decisions on marketing, finance, and strategic planning, among other functions in an organization.

DSC220 Data Visualization & Presentation (Power BI) (4-0-4)

This course is all about data visualization, the art and science of turning data into readable graphics. This course explores how to design and create data visualizations based on data available and tasks to be achieved. This process includes data modeling, data processing (such as aggregation and filtering), mapping data attributes to graphical attributes, and strategic visual encoding based on known properties of visual perception as well as the task(s) at hand. Students will also learn Power BI and Business AI.

Design

ARH206 Art History (5-0-5)***

This course introduces students to the development of visual art forms, including architecture, sculpture, and painting, from the early Renaissance to the present.

DSN108 Drawing Foundations (3-4-5)

A basic foundation of drawing and composing two-dimensional space are investigated. Students will be introduced to the human figure as well as linear perspective. Direct observation and interpreting photographic sources are used to develop the student's image-making.

DSN109 Drawing II (3-4-5)

Understanding form, positive and negative space relationships, and composition are emphasized. Direct observation and interpreting photographic sources are used to develop the student's image-making abilities.

DSN110 2D Drawing (3-4-5)

The elements and principles of design that form the foundation for composing two-dimensional space are explored. The relationship between form and space is emphasized, as well as design terminology.

DSN115 3D Design (3-4-5)

The elements and principles that form the foundation for creating forms in space are explored. The relation between form and three-dimensional space is emphasized, as well as design terminology. This course also explores the concept of sustainability and green design.

DSN125 Typography (3-4-5)

Typographic form and syntax are explored. The student learns to arrange type into clear visual hierarchies that conform to the elements and principles of design.

DSN131 Digital Page Layout & Print Publishing (4-2-5)

This course is an introduction to digital page composition using industry-standard software (Adobe InDesign). Students will also learn printing technologies for digital prepress (including file, font, and color management) and printing technologies (including letterpress, offset lithography, and screen printing).

DSN135 History of Graphic Design (5-0-5)

The history of graphic design from the Victorian era to the present is explored. Emphasis is placed on the relationship between graphic design and culture with regard to the creation of visual communication.

DSN138 Digital Image Making (4-2-5)

This course is an introduction to creating computer illustrations and image creation using industry-standard software (Adobe Illustrator/Photoshop). Focus on the design elements and principles with regards to page composition and image solutions will be emphasized.

DSN140 Color Principles (3-4-5)

Color theory and principles are investigated. The relationship between color, light, and visual perception are emphasized as well as terminology.

DSN199 Independent Study/Seminar (1-5 Credit Hours)

Independent Study/Seminar is designed to provide a student with the opportunity to work on special topics/projects on an independent basis. Topics are designed to meet the interests of the student in relation to professional practice. (Permission from the Academic Dean is required.)

Early Childhood Education

ECE102 Introduction to Early Childhood Education in a Diverse Society (4-0-4)

This course provides an overview of the history and philosophy of Early Childhood Education and how the philosophy can be used to support best practices. Discussion will include the NAEYC Code of Conduct, desirable qualities and characteristics in early childhood professionals, and what constitutes legal and ethical practices when working with young children and families in early childhood settings. Guidelines for appropriate presentation, demeanor, conduct, and appearance will also be discussed, as well as the need to access professional resources and literature. The ODE Early Learning Standards, DCY, and SUTQ program expectations and how each relates to quality will be studied. This course will also focus on examining the diverse cultures, experiences & expectations of families and childcare providers and how these differences can enhance a program.

Prerequisite or Co-requisite: COM121

ECE121 Early Childhood Development Prenatal to Kindergarten (4-0-4)

This course focuses on the early development (prenatal-kindergarten) of the whole child, including physical, social, emotional, cognitive, language, and creative domains. Child development theory and research will be discussed, as well as the varying levels of development for each domain for individual children. Students enrolled in this course will share activity ideas for the classroom to support children’s growth & development for all domains.

Prerequisite or Co-requisite: ECE102

ECE130 Special Education in Early Childhood (4-0-4)

This course focuses on working with and the inclusion of children with special needs in an early childhood setting. Developmentally appropriate adaptations will be explored for a variety of exceptionalities. Methods for building family/childcare/community partnerships through good communication skills and healthy relationships will be covered.

Prerequisite: ECE102, ECE121, and COM121

ECE140 Art, Music, and Play for Early Childhood Education (2-2-4)

This course focuses on the importance of art, music, and play for young children’s development in early childhood settings. The principles of fine and gross motor development, hand-eye coordination, intellectual development, as well as children’s creative (art and music) growth and development will be explored.

Prerequisite: ECE102 and ECE121

ECE150 Early Childhood Health & Safety (4-0-4)

Knowledge of child development contributes to a safe, healthy, and organized early childhood environment. The course focuses on the importance of health, safety, and nutrition needs of young children, designed to prevent disease and promote wellness. The connection between the environment and its influence on the growth and development of children (pre-natal to kindergarten) will be discussed. Students enrolled in this course will write and share developmentally appropriate lesson plans focused on teaching health and safety issues to preschool-age children. Students will receive information about Common Childhood Illness and Child Abuse Recognition.

Prerequisite: ECE130

ECE205 Guidance & Classroom Management (4-0-4)

The focus of this course is on child guidance and classroom management in early childhood settings. Special attention will be paid to (but not limited to) establishing rules & routines, the importance of a developmentally appropriate daily schedule, materials in the child’s environment, lesson plans, as well as the caregiver’s speech. Techniques for redirecting children who are off-task will be explored while continuing to build positive self-concepts and individual strengths in preschool-aged children.

Prerequisite: Completion of 100 Level Courses.

ECE209 Emergent Literacy for Young Children (4-0-4)

This course explains the foundations of emergent literacy from infancy to kindergarten, placing special emphasis on the relationship between emergent reading and early writing as well as the importance of speaking and listening to children’s literacy development. Students will examine characteristics of a rich literacy environment, how to foster print and phonological awareness, and ways to facilitate literacy development using the ODE Early Learning Content Standards.

Prerequisite: Completion of 100 Level ECE Courses.

ECE211 Early Childhood Organization/Administration/Licensing (4-0-4)

The focus of this course is on the day-to-day operation of early childhood programs as well as the interrelationship between curriculum and the knowledge of early childhood development as a guide for planning lessons. Legal and ethical issues will be explored, as well as the importance of accurate record keeping and using organizational skills to manage a variety of program resources. The importance of cooperation and collaboration in working as a successful member of a team will also be explored. This is a critical course in understanding the rules and regulations of DCY & SUTQ requirements and expectations, as well as NAEYC and the Ohio Early Learning Content Standards.

ECE251 Early Childhood Education Externship (1-12-5)

Students enrolled in this course will complete 120 contact hours of on-site teaching in an approved early childhood setting where they will have the opportunity to apply the knowledge and skills learned. Although the age groups will vary, the concentration will be on 2-5-year-olds. Observation will also include the administrative role in early childhood settings. Practicum students will be observed by a Davis University Early Childhood faculty member.

Prerequisite: Successful Completion of ECE classes.

Electrical & Computer Engineering

ECT101 Fundamentals of Programming & Problem Solving (5-0-5)

This course includes algorithm development and refinement in problem solving. Modular programming using sequence, selection, and repetition control structures. Program debugging and testing, formatted input/output, data files, fundamental data types, arrays, and arrays of structures. Simple sorting and searching algorithms. Character data and string processing. Algorithm efficiency considerations. Classes, objects, and introduction to object-oriented programming.

Prerequisite: A study of algebra topics that are background knowledge for Precalculus.

ECT103 Fundamentals of Computer Science (5-0-5)

This course introduces the fundamental ideas of computing and the principles of programming. Discusses a systematic approach to word problems, including analytic reading, synthesis, goal setting, planning, plan execution, and testing. Presents several models of computing, starting from nothing more than expression evaluation in the spirit of high school Algebra.

ECT105 Digital Logic Systems (5-0-5)

This course includes Boolean algebra and logic primitives, simplification of Boolean functions, number systems and codes, digital encoders, decoders, multiplexers, demultiplexers, Boolean-based addition, subtraction, and multiplication, and various primitive elements of the CPU. Introduction to hardware description languages such as Verilog. Analysis and design of synchronous sequential circuits; applications to computation, measurement, and control. Prerequisite: ECT101 and ECT103

ECT107 Circuits & Signals (5-0-5)

This integrated lecture/lab course covers circuit theory, signal processing, circuit building, and MATLAB programming. Introduces basic devices, signal models, and circuit laws used in the study of linear circuits. Analyzes resistive and complex impedance networks. Uses the ideal operational-amplifier model, focusing on differential amplifiers and active filter circuits. Introduces basic concepts of linearity and time-invariance for both continuous and discrete-time systems and concepts associated with analog/digital conversion. Demonstrates discrete-time linear filter design on acquired signals in the MATLAB environment. Prerequisite: ECT101

ECT109 Fundamentals of Electronics (5-0-5)

This course covers the theory and practical uses of active semiconductors. Topics include the operating characteristics of diodes, field-effect transistors, bipolar junction transistors, MOS transistors, and op amps; the analysis and design of single-stage amplifiers, diode circuits, and transistor circuits; rectifier circuits, clamping and clipping circuits, voltage multipliers, Zener regulators, temperature measuring, discrete amplifiers, feedback, basic op amp circuits, and switching circuits. SPICE is used to simulate circuits. Prerequisite: ECT101

ECT201 Fundamentals of Elcetromagnetics (5-0-5)

This course introduces electromagnetics and high-frequency applications. Topics include transmission lines: transmission line model with distributed circuit elements, transmission line equations and solutions, one-dimensional traveling and standing waves, and applications; electromagnetic field theory: Lorentz force equations, Maxwell's equations, Poynting theorem, and application to the transmission line's TEM waves. Also studies uniform plane wave propagation along a coordinate axis and along an arbitrary direction; equivalent transmission lines for TEM, TE, and TM waves; reflection and refraction of uniform plane waves by conducting and dielectric surfaces. Prerequisite: MTH312

ECT203 Digital Design & Computer Organization (5-0-5)

This course covers the design and evaluation of control and data structures for digital systems. Uses hardware description languages to describe and design both behavioral and register-transfer-level architectures and control units. Topics covered include number systems, data representation, a review of combinational and sequential digital logic, finite state machines, arithmetic-logic unit (ALU) design, basic computer architecture, the concepts of memory and memory addressing, digital interfacing, timing, and synchronization. Prerequisite: ECT103 and ECT107

ECT205 Computer Systems & Architecture (5-0-5)

This course includes a study of the fundamental concepts of computer architecture and factors that influence the performance of a system. Topics include data representation, assembly language, central processing unit architecture, memory architecture, and input/output (I/O) architecture. Prerequisite: ECT103 and ECT107

ECT209 Electrical & Computer Engineering Capstone (5-0-5)

This course aims to give undergraduate engineering students significant experience in dealing with a senior design project. Students form teams and select a project requiring design and implementation of an electrical, electronic, and/or software system, including evaluation of multiple constraints, the use of appropriate engineering standards during the design to carry out the project, as well as the submission and presentation of a detailed proposal for the work. The project plan includes the consideration of public health, safety, and welfare, and global, cultural, social, environmental, and economic factors.

Healthcare Administration

HCA101 Introduction to Healthcare Administration (5-0-5)

An introduction to Healthcare Administration course provides a foundational overview of the U.S. healthcare system, focusing on management principles, organizational structure, and operational efficiency. It prepares students for leadership roles by exploring health policy, financial management, and regulatory compliance (e.g., HIPAA), and quality improvement strategies.

HCA200 Healthcare Systems & Resources (5-0-5)

This course provides a comprehensive overview of how health organizations operate, focusing on optimizing efficiency, financial performance, and patient care quality. It covers strategic planning, human resources, financial management, regulatory compliance, and technology, preparing students to lead in complex, evolving healthcare environments.

HCA250 Healthcare Finance & Reimbursement (5-0-5)

This course covers the fundamental principles of financial management, revenue cycle operations, and payment systems within healthcare organizations. Students learn to analyze financial statements, manage budgeting and costs, and understand reimbursement methodologies, including Medicare (DRGs & APCs) and private insurance, to ensure operational viability and compliance.

HCA275 Healthcare Data Analysis & Management (6-0-6)

This course equips professionals with skills to collect, store, analyze, and interpret complex health data to improve patient care and operational efficiency. Curriculum typically covers EHR systems, data analytics tools (SQL, R, Python, Tableau), biostatistics, data quality management, regulatory compliance (HIPAA), and data-driven decision-making for clinical or administrative roles.

HCA290 Healthcare Administration Capstone (0-12-6)

A healthcare administration capstone course is the final, integrative experience of a degree program. It serves as a culmination of the program designed to bridge academic knowledge with real-world practice. Capstone projects demonstrate synthesis of learning from previous coursework. Students analyze complex organizational issues, conduct strategic planning, and complete projects while applying leadership skills.

Humanities

HUM110 History of the United States to 1865 (4 Credits)***

This course provides an introduction to the history of the United States from the colonial period to the Civil War. Students examine the political, diplomatic, social, cultural, and economic developments that shaped the historical development of the United States through 1865. Prerequisite: None

HUM120 History of the United States Since 1865 (4 Credits)***

This course provides an introduction to the history of the United States from Reconstruction to the recent past. Students examine the political, diplomatic, social, cultural, and economic developments that shaped the historical development of the United States. Prerequisite: None

HUM135 Rhetoric of Film & Culture (4-0-4)

This course is designed to survey American and international cinema and determine, through critical analysis, the influence that culture has on the form and content of the film medium. Students will analyze and describe film as a significant art form and discuss cinematic formal elements, genre, and narrative structure. The course will explore contemporary digital technology shaping the film industry.

HUM136 Religions of the World (5-0-5)***

This course is a study of the world’s most popular and influential religions. Their history, basic tenets, and faith practices are examined. We will also examine what it means to have a religious experience.

HUM140 Film History (5-0-5)***

This course includes an introductory overview of film history. We will study the major developments in the history of the industry and concepts, summarize debates in film studies, define technical terms related to aesthetics and technology, and describe major periods and movements. We will also study the emergence of new art media, themes, and production and viewing strategies.

HUM141 Contemporary Ethical Issues (5-0-5)***

In this course, we will examine, analyze, question, and think critically about various contemporary ethical issues through a philosophical lens. We will discuss animal rights, poverty, social media, healthcare ethics, business, and much more. We will also cover essential fundamental philosophical perspectives such as Utilitarianism, Virtue Ethics, and Deontological Ethics.

HUM150 History of Western Art (4 Credits)***

This course provides an introduction to the history of Western visual arts from ancient times to the present. Students explore major periods, styles, artworks, and artists while examining their social, political, religious, and intellectual contexts. Through readings, research, visual materials, and museum visits, students develop an understanding of significant developments in Western art and the cultural contexts in which they emerged. Prerequisite: None

HUM151 Literature & Culture (4-0-4)

The goal of the class is to read short stories, essays, poetry, biography, and fiction that will enable students to explore the similarities and differences among diverse groups of North America. Students also explore historical and cultural information related to authors and time periods.

HUM155 World Geology (5-0-5)***

This course involves an introductory study of the world geographic distribution of different regions and the general characteristics of the major countries within them, and their interactions with one another. Cultural, economic, political, environmental, and strategic comparisons are made, including race and ethnicity, migration, colonialism, economic inequality, globalization, climate change, protest movements, etc.

HUM157 United States Literature (5-0-5)***

This course covers a survey of major American authors and texts, including writings by important American literary figures, from Native America and the Puritans to modern times.

HUM160 Art History (4-0-4)

This course presents an introductory overview of the history of Western art from the Renaissance to the present, including works from significant artists spanning from Leonardo da Vinci to Kara Walker. It covers works in a wide array of media, such as painting, architecture, prints, photography, performance, and the moving image. Emphasizing significant stylistic movements in Europe and the Americas, this class is an introductory course introducing visual analysis and other interpretative tools of art historical research. Students will also learn how the visual products of a culture relate to historical circumstances, societal values, and shifting personal and collective identities. The skills developed in this course provide important tools for navigating and interpreting media and visual representation in the twenty-first century.

HUM165 Modern Western Literature (5-0-5)***

This course includes a survey of Western literature from the Renaissance through the Modern Age. We will read landmark works from various periods and discuss their historical and literary contexts.

HUM170 African American History (5-0-5)***

This course covers a survey of the social, economic, cultural, and political history of African Americans from the colonial era to the present. Topics include the transatlantic slave trade and African Diaspora, slavery and freedom, reform and radicalism, and assimilation and nationalism.

HUM188 Art History Case Study (1-0-1)

This course is designed to provide a student with the opportunity to work on a special topic/project within the field of art history.

HUM199 Independent Study/Seminar (1-5 Credit Hours)
Students are provided the opportunity to explore specific topics/projects in the field of humanities. (Permission from the Academic Dean is required.)

HUM201 Thinking Strategies (4-0-4)
Students in this course will examine the thinking and decision-making process. They will be challenged to notice cultural influences in thinking, to express their own ideas logically, and to analyze the ideas of others through reading, writing, and discussion.

Intensive English Program
IEP101 Practical English Level 1 (132 Clock Hours)
This course is the first-level course focusing on practical English, grammar, vocabulary, reading, and listening.

IEP102 Practical English Level 2 (132 Clock Hours)
This course is the second-level course focusing on practical English, grammar, vocabulary, reading, and listening.

IEP103 Practical English Level 3A (132 Clock Hours)
This course is the first part of the third-level course focusing on practical English, grammar, vocabulary, reading, and listening.

IEP203 Practical English 3B (132 Clock Hours)
This course is the second part of the third-level course focusing on practical English, grammar, vocabulary, reading, and listening.

IEP104 Academic English 4A (132 Clock Hours)
This course is the first part of the fourth level, focusing on Academic English.

IEP204 Academic English 4B (132 Clock Hours)
This course is the second part of the fourth level, focusing on Academic English.

IEP105 Academic English 5A (132 Clock Hours)
This course is the first part of the fifth level, focusing on Academic English.

IEP205 Academic English 5B (132 Clock Hours)
This course is the second part of the fifth level, focusing on Academic English.

Interdisciplinary
IDS101 Forum on Technology & Resources (1-0-1)(Need Desc. for RN)
This interdisciplinary course empowers students to be successful by providing opportunities to cultivate skills needed to enhance their careers and to be capable life-long learners. Essential computer applications that enhance marketability are integrated with self-management skills, critical thinking, learning strategies, and time management. Students will research topics for written and oral reports.

IDS110 Forum on Technology & Resources (4-2-5)
This interdisciplinary course empowers students to be successful by providing opportunities to cultivate skills needed to enhance their careers and to be capable life-long learners. Essential computer applications that enhance marketability are integrated with self-management skills, critical thinking, learning strategies, and time management. Students will research topics for written and oral reports.

IDS201 Service Learning (1-4-3)
The course is designed to enhance understanding of social responsibility, volunteerism, community service, and civic engagement as it relates to the successful operating of today's society and social economy. Through service learning, students gain insights into the application of common business skills and also gain experience in organizations that may broaden their vision and better prepare them for their chosen professions. The service activity, as well as specific assignments and reflections, connects the activity to coursework, and it relates directly to academic studies and potentially to future careers. Each student will participate in a service-learning experience with peers through reflective web-based forums and presentations.
Prerequisite: Permission of the Program Director

IDS206 Technology & Media (5-0-5)***
This course explores how technological advancements influence media and entertainment sectors. Students will examine various forms of digital and interactive media, along with the foundational technical concepts that support their development and delivery. The course emphasizes how different technologies and organizational practices work together in the creation of media-related projects. Students will also consider current and emerging trends in technology and their implications for industry practices and career opportunities in media and related fields.

Interior Design
INT101 Introduction to Interior Design (5-0-5)
This course is designed to teach students how to be an interior designer by focusing on interior design from a macro level.

INT122 History of Interior Design (5-0-5)
This course is a survey of historical styles of furnishings, architecture, and interiors beginning with prehistoric periods through the present. Upon completion of the course, students will be able to identify period furniture and understand various cultures that influenced interior design.

INT130 Drafting Techniques (2-4-4)
This course is an introduction to drafting principles and techniques. The use of scale, dimensioning, and developing an architectural lettering style are emphasized.

INT132 Computer Aided Drafting & Design (3-4-5)
This course is an introduction to drafting techniques and space planning using CAD software applications.
Prerequisite: INT130

INT138 Textiles (3-4-5)
Students will study the development of textiles from fiber to finished fabric. Fabric qualities are explored in detail and will be related to interior furnishings and fabric applications.

INT220 Interior Design: Residential (3-4-5)
The design of residential spaces and applying the elements and principles of design to solutions is the focus of this course. Depicting elevations, rendering techniques, choosing finishes, furniture pieces, and lighting for presentation boards are a major part of this course.

Medical

MED101 Medical Terminology (4-0-4)

This course covers the identification of medical terminology elements, proper pronunciation, spelling, and medical abbreviations.

MED106 Introduction to Medical Professions (4-0-4)

The course introduces the student to the health care system, healthcare professions, ethics, and law for the medical office. The student will learn how to maintain boundaries and respect in communication with other allied health professionals and patients. OSHA guidelines, workplace violence, professionalism and success, and preparing for the world of work will be reviewed.

MED114 Basic Billing & Coding (4-0-4)

Students will be introduced to the medical billing cycle. Students will learn the importance of assigning proper codes and the effect it has on the payment process. A comprehensive review of health insurance coverage and completion of the CMS-1500 insurance form will be discussed in the class. Students will be introduced to Current Procedural Terminology (CPT), International Classification of Diseases (ICD10-CM), and Healthcare Common Procedure Coding System (HCPCS) code books.

MED118 Anatomy & Physiology A (3-2-4)

The focus of this course is the study of particular body systems, their structures, functions, diseases, disorders, treatment, and terminology pertaining to each system. Included will be anatomical descriptors and body directions, the cell, integumentary, musculoskeletal, respiratory, and nervous systems. This course will focus on various diseases affecting the human body with an emphasis on disease definitions, etiology, diagnostic studies, and treatments.

MED119 Anatomy & Physiology B (3-2-4)

The study of particular body systems, their structures, functions, diseases, disorders, treatment, and terminology pertaining to each system will be the focus of this course. Systems included will be circulatory, blood, lymphatic, digestive, urinary, reproductive, and endocrine. This course will focus on various diseases affecting the human body with the emphasis on disease definitions, etiology, diagnostic studies, and treatments.

MED122 Coding & Applications A (4-0-4)

This course teaches Current Procedural Terminology - CPT, published by the AMA and CMS, and used to report medical procedures and treatment, along with ICD-10 when reporting disease, injuries, and external causes of disease, as well as supplemental classifications of disease. The systems studied in this course include evaluation and management, anesthesia, surgery, radiology, pathology, general medicine, and musculoskeletal and respiratory systems.

Prerequisite: MED114

MED123 Coding & Applications B (4-0-4)

This course teaches Current Procedural Terminology - CPT, published by the AMA and CMS, and used to report medical procedures and treatment, along with numerical and alphabetical codes when reporting disease, injuries, and external causes of disease, as well as supplemental classifications of disease using the ICD-10-CM code book. The systems studied in this course include modifiers, cardiovascular, integumentary, urinary, reproductive, endocrine, and nervous system.

Prerequisite: MED114

MED126 Administrative Procedures (3-2-4)

This administrative course will focus on medical records, patient reception, telephone techniques, and scheduling appointments. Patient collections and financial management will be reviewed.

MED135 Practice Management & Electronic Health Records (2-4-4)

This course will review the history of the electronic health record and current trends in the healthcare setting and is designed to give students experience working with health information technology and electronic health records. The students will have hands-on experience working in an EHR system by creating an electronic medical record, creating electronic prescriptions and lab requisitions, performing electronic history, performing electronic scheduling functions, and documenting information regarding the professional encounter. Preparing financial and business reports will be incorporated.

Prerequisite: MED101

MED138 First Aid & Emergency Preparedness (2-2-3)

This course introduces the student to the effects of a disaster, an emergency action plan, office emergency situations, first aid, agents to promote tissue healing, and minor office surgery.

MED139 Introduction to Clinical Procedures (2-4-4)

This course introduces the student to sterilization and disinfection, vital signs, physical examination, and eye and ear assessment and procedures.

MED199 Independent Study/Seminar (1-5 Credit Hours)

The student will have the opportunity to research a topic or work on a project in the medical field. (Permission of the Vice President of Academic Services and Program Director is required.)

MED206 Clinic I (2-4-4)

This course introduces the student to gynecologic and prenatal care, pediatric care, administration of medication and intravenous therapy, cardiopulmonary examination, colon procedures, male reproductive health, radiology, diagnostic imaging, assisting in geriatrics, physical therapy, and rehabilitation.

Prerequisite: MED139

MED207 Clinic II (2-4-4)

This course introduces the student to the clinical laboratory, urinalysis, phlebotomy, hematology, blood chemistry, and immunology, collecting, processing, and testing of urine and stool. Also, patient interview and history, along with patient education, will be reviewed.

Prerequisite: MED139

MED215 Advanced Billing & Coding (4-0-4)

This course instructs students to continue to master the analysis of medical records and assignment of codes for indexing diagnoses, symptoms, diagnostic tests, procedures, treatments, and to provide information for insurance claims. Students will become familiar with manual and electronic claim forms and the effect of assigning the proper code on the reimbursement process for various payers in the insurance industry.

Prerequisites: MED114, MED122, and MED123

MED220 Medical Billing & Coding Capstone

Students will be provided the opportunity to utilize and reinforce the knowledge gained in coding and insurance billing, with emphasis placed on practice and preparation for the Certified Professional Coder (CPC) or Certified Professional Biller (CPB) exam. Eligibility requirements: completion of all required medical courses.

Prerequisite: MED215 Co-requisite: MED225

MED225 Medical Billing & Coding Externship (0-9-3)

Medical Billing and Coding majors have an opportunity at the end of their programs to utilize and enhance knowledge and skills while receiving hands-on working experience. The student, under supervision, will complete 90 hours of externship in a medical billing facility. Eligibility requirements: Successful completion of all medical courses, accumulative grade point average of 2.0 or higher.

MED251 Medical Assisting Externship (0-12-6)

This course will allow the student to utilize and enhance knowledge and skills while receiving hands-on experience working in an allied healthcare facility. The student will, under supervision, complete a minimum of 160 hours of externship experience in an allied healthcare setting. Students will meet weekly for certification preparation and discussion of learning outcomes derived from their practicum experiences. Emphasis is placed on practice and preparation for the Registered Medical Assistant (RMA) exam. Prerequisites: The student must have a GPA of 2.0, have documentation of a completed physical with the necessary immunizations, and complete all core medical courses.

MED253 Medical Administrative Assistant Externship (0-9-3)

Medical Administrative Assistant students have the opportunity at the end of their programs to utilize and enhance knowledge and skills while receiving hands-on working experience. The student, under supervision, will complete 90 hours of externship in a medical facility. Eligibility requirements: Successful completion of all medical courses, accumulative GPA average of 2.0 or higher.

MED270 Introduction to Microbiology & Immunology (5-0-5)

This course includes an introduction to microorganisms' structure and function. Exploration of basic principles of immunity, human infection, and diseases. The class will include an introduction to disease definition, etiology, diagnostic studies, and treatments. The nature of matter, basic chemical reactions, atomic structure, and basic chemical bonding will also be studied.



Management

MGT102 Introduction to Business (5-0-5)

The student will study the basic concepts of business operations in our society and the various functions within a business enterprise. Topics such as business environment, management, organization, marketing, finance, economics, and accounting are discussed in an introductory manner. This course is a valuable starting point for further business management studies or an excellent review of the fundamentals of business.

MGT105 Business Law (4-0-4)

The purpose of this course is to provide the students with a basic understanding of the legal system and its effect on our day-to-day activities. In this course, students will be introduced to the legal aspects of common business transactions, contract law, tort law, business organizations, agency law, and governmental regulations.

MGT108 Business Law (5-0-5)***

This course introduces students to the fundamentals of business law. Topics cover key aspects of contract law, tort law, business organizations, agency law, employment law, governmental regulations, and other legal issues that influence and intersect with modern business practice.

MGT110 Personal Finance (4-0-4)

Students taking this course will develop successful financial skills. The practical aspects of financial management with an emphasis on decision-making to achieve financial goals will be explored. During this class, students will study auto, property, health, and life insurance options, savings and investment alternatives, and other money management activities. Each student will create a personal budget and overall personal financial plan. Prerequisite: MGT102 Introduction to Business.

MGT115 Human Resource Management (4-0-4)

As an introduction to the field of human resource management, students will have the opportunity to observe different human resource management systems. This introductory survey course covers the range of strategic human resource activities all human resource professionals need to understand, such as laws and regulations, staffing, recruitment, performance management, training, compensation, and decision support software tools. Through interactive lectures and cases, students become familiar with the basic principles and techniques of human resource management.

MGT118 Special Event Management (4-0-4)

This course prepares students to successfully organize and manage special events. Students will explore the fundamentals of event planning from conception to on-site operations. Topics covered include selecting the venue, preparing and managing the budget, sponsorships, coordinating food and beverage, event safety, working with volunteers, and customer service and satisfaction.

MGT120 Introduction to Business Finance (4 Credits)***

This course introduces the principles and elements of visual language through studio-based exploration and creative problem-solving. Students investigate line, shape, color, texture, space, form, composition, and visual relationships to develop effective visual communication. Emphasis is placed on experimentation, conceptual development, critique, and the use of visual elements to communicate ideas and meaning. Prerequisite: MGT102 with a grade of C or better.

MGT130 Money & Banking (5-0-5)***

This course covers monetary policy, banking and bank regulation, and the functioning of financial markets and institutions.

MGT160 Human Resource Training & Development (4-0-4)

This course incorporates basic concepts used in the training and developing of a company’s human resources, including industry and organizational needs analysis, program planning, understanding and utilizing learning principles, and managing employee relations. In addition, students will learn how to evaluate the success of training initiatives and ways to identify methodologies for calculating return on investment in training. Prerequisite: MGT115

MGT170 Introduction to Econometrics (5-0-5)***

This course is an introduction to applied methods for analyzing economic and financial data. Areas of focus will include cross-sectional and time-series data, regression analysis, hypothesis testing, and applied topics in economics, with an emphasis on applications.



MGT199 Independent Study/Seminar (Up to 10 Credits)

Independent Study/Seminar is designed to provide a student with the opportunity to work on special topics/projects within the broad field of business, including administration, management, real estate, human resources, accounting, and/or other business areas. This independent study option will provide the student with an opportunity to gain marketable, real-world skills while exploring a specific interest. Application of classroom skills and knowledge will be applied. (Permission of the Business Program Director and the Academic Dean is required.)

MGT205 International Business (4-0-4)

Students will learn basic international business concepts and skills necessary to function successfully as world-class employees in today’s global economy. This course will incorporate international economics, global entrepreneurship, human resource management issues, exporting and importing, interacting with foreign governments, cultural geography, cultures and regulations, as well as domestic regulations affecting those firms who seek to do business outside their home country.
Prerequisite: MGT102

MGT207 International Business & Management (5-0-5)***

The topics of this course cover issues involved in the multinational management of business firms with an emphasis on comparative management.

MGT211 Management Principles (4-0-4)

Management Principles is designed to acquaint the student with the fundamentals of management, administrative staff, and operations management. The student will conduct a thorough examination of contemporary management including different types of planning, organizational tools and trends, the various styles of leadership, and the management control process.
Prerequisite: MGT102

MGT213 Small Business Management (4-0-4)

This course introduces the student to management concepts specific to entrepreneurial and small business in the domestic and global environments. Students will engage in discussion on the current trends challenging entrepreneurs and small business owners. Students will develop an understanding of managerial planning and decision making, organizational structures, and the dynamics of operating in small businesses.
Prerequisite: MGT102

MGT214 Introduction to Management (5-0-5)***

This course covers fundamental functions of management: planning, leading, organizing, and controlling and their application to business decision-making.

MGT220 Human Resource Management (4-0-4)

This course introduces students to procedures and laws, including recruiting, interviewing, and conducting background checks. Special emphasis will be placed on how to manage a diverse workforce by understanding anti-discrimination, medical/family leave, workers’ compensation, drug testing, and all aspects of Title VII. Students will also focus on types of pay, benefits, union relations, and safety and health.
Prerequisite: MGT115

MGT223 Principles of Finance (5-0-5)***

This course covers basic financial principles, including the time value of money, asset valuation, investment decisions, and interest rate determination in competitive market economics.

MGT232 Business Analytics (5-5-5)***

This course includes an introduction to methods used to analyze data and make better business decisions.

MGT235 Business & Economic Statistics (5-0-5)***

This course covers an introduction to the main statistical concepts and methods that are widely used in economics and business. We will study statistical techniques developed through the use of business and economic problems. Topics include time-series and index number analysis, simple and multiple regression and correlation, analysis of variance, and quality control.

MGT250 Business Management Externship (0-9-3)

The externship experience will provide the student with an opportunity to gain marketable, real-world skills while exploring career interests. Application of classroom skills and knowledge will be applied to a work setting in a business-related environment. The student will work with the Program Director to secure a site and outline goals and expectations.

MGT300 Business, Government, and Society (5-0-5)***

This course examines the political, social, and ethical dimensions of business, exploring corporate governance, stakeholder relations, sustainability, and global challenges. Through case studies and analytical frameworks, students learn to assess business responsibilities in society and develop strategies for ethical decision-making in a complex regulatory environment.

MGT301 Business Ethics (4-0-4)

This course focuses on ethical viewpoints as a basis to utilize business practices through examples and case studies. Because there is not a universal set of behaviors that one considers ethical or a “set” list of guidelines to follow with respect to ethics, management and employees are faced with unique challenges. Students will be equipped for today’s business climate as the following topics will be explored: corporate responsibility, ethics, conflict of interest, employee rights, managing employee/company conflicts and values, and disclosure of advertising and information.

MGT302 Global Business Environment (5-0-5)***

This course examines the forces shaping globalization and how political, economic, legal, and cultural differences impact international business. Students explore trade theory, foreign direct investment, regional integration, and global monetary systems. Topics also include market entry strategies, ethics, supply chain management, and cross-cultural marketing and HR. The course equips students with analytical tools to navigate the complexities of the global business environment and compete effectively in an interconnected world.

MGT303 Organizational Behavior & Leadership 5-0-5)***

This course explores the fundamental principles of organizational behavior, examining how individuals, teams, and leaders function within organizations to enhance performance, adaptability, and employee well-being. Through a combination of theory and practical application, students will analyze key OB topics such as motivation, decision-making, team dynamics, leadership, and organizational culture.

MGT305 Research Principles (4-0-4)

This course evaluates the process of conducting research for improving decision-making within an organization. Students will be introduced to the nature, scope, and significance of research and research methodologies. Additionally, the course studies primary and secondary research methods with applications to specific problems, using qualitative and quantitative designs. Students will learn to apply an understanding of commonly employed business research techniques to improve a situation, solve a problem, or change a process. Other topics include problem framing, data collection, data analysis, and data presentation.

Prerequisites: MKT201

MGT311 Management Principles II (4-0-4)

Students will examine individual, interpersonal, and group behaviors within organizations. This course takes an integrated approach by studying the evolution of management and how it affects future managers. Students will learn project management and strategic management skills and will apply decision-making and critical-thinking skills to the challenges that face today’s managers working in a globally diverse environment. Further, the course will examine the techniques for controlling, planning, and organizing resources and the workforce as well as the interaction of human, technological, structural, global, ethical, and environmental factors.

Prerequisite: MGT211.

MGT320 Sustainable Business Practice (4-0-4)

This course examines the current state of business practice through the lens of sustainability. Coverage includes models and systems that businesses use to address the social, environmental, and economic challenges faced by our global community.

Prerequisite: MGT311

MGT325 Integrated Operations & Supply Chain Management (4-0-4)

Students will examine how supply management, operations, and logistics functions create value for customers and businesses. Concepts studied include the design of operations as well as supply chain strategies, systems, and processes. Students will also examine the coordination and control of material and information flows, decision-making tools for supply chain management, and integration with other business functions.

Prerequisite: MGT311

MGT410 Global Industries (4-0-4)

This course introduces the environmental and operational aspects of International Business. Topics discussed include: international business background, comparative environmental frameworks, theories and institutions of trade and investment, world financial environment, dynamics of International Business, governmental relationships, corporate policy and strategy, functional management, operations, and related concerns.

MGT420 Organizational Behavior & Development (4-0-4)

Organizational behavior is the scientific study of how people think, feel, and behave in and around organizations. It is an interdisciplinary field of study that integrates knowledge from psychology, sociology, and organizational sciences. The purpose of this course is to examine the foundational theories in organizational behavior and their application for the purpose of improving organization effectiveness and individual well-being.

Prerequisite: MGT211

MGT425 Data Analytics (4-0-4)

This course studies the ways in which enterprises such as businesses, non-profits, and governments can use data to gain insights and make better decisions. This foundational course will provide students with the hands-on skills and knowledge to gather, describe, and analyze data and make meaningful recommendations. Students will also learn how to use advanced statistical tools to make decisions on marketing, finance, and strategic planning, among other functions in an organization. Additional topics that will be covered include: probability, statistics, hypothesis testing, regression, clustering, decision trees, forecasting, operations, risk management, finance, and marketing.

Prerequisites: MGT305 and MTH310.

MGT450 Business Administration Capstone (0-10-5)

Candidates for completion of the bachelor’s degree in Business Administration will complete a ninety-hour, independent project demonstrating their conceptual, analytical, research, and practical management skills. The courses in the program will prepare students for their next step in their career. The Capstone program consists of a 6-credit, one-term requirement that is completed at the end of the student’s program. It is a closely supervised experience resulting in a student-written paper that demonstrates the student’s ability to synthesize and utilize the skills and knowledge gained throughout the Business Administration program.

MSM510 Managerial Decision Analytics (4-0-4)

This course leads students through the problem analysis and decision-making process using a general managerial decision framework by introducing students to the types of decisions often faced by functional managers. An emphasis will be placed on establishing an integrative and encompassing way of analyzing a wide variety of decision problems that managers (and others) face every day.

MSM522 Financial Management (4-0-4)

Managing corporate finance literature with emphasis on shareholder value creation through sound corporate policies. Topics include dividend policy, capital structure, mergers and acquisitions, executive compensation, financial disclosures, and corporate governance (e.g., board structure, ownership structure, private meetings, and political connections).

PRM101 Project Management Fundamentals (4-0-4)

This course introduces the student to the fundamentals of project management. Learning how to manage schedules, ensure quality, manage team development, apply ethical standards, plan and manage procurements, establish budgets, and employ communication strategies are covered in this course.

PRM103 Agile Fundamentals (4-0-4)

This course introduces the student to the Agile approach to project management. Values and principles of the “Agile Manifesto” are covered in this course.

PRM201 SCRUM Fundamentals (4-0-4)

This course introduces the student to the Agile framework, SCRUM. The roles of “Product Owner”, “SCRUM Master”, and “SCRUM Team” are covered in this course.

PRM203 Capstone Project (4-0-4)

This course allows the student to apply the knowledge and skills learned to a capstone project.

PRM250 Project Management Externship (0-9-3)

The externship experience will provide the student with an opportunity to gain marketable, real-world skills while exploring career interests. Application of project management classroom skills and knowledge will be applied to a work setting environment. The student will work with the Program Director to secure a site and outline goals and expectations.

SCM101 Supply Chain Fundamentals (4-0-4)

This course introduces the student to supply chain fundamentals. Sourcing, procurement, conversion, and logistics are covered. In addition, purchasing and supplier relationships are explored along with distribution and delivery. Finally, the student is introduced to the role of ethics and sustainability.

SCM103 Purchasing (4-0-4)

This course introduces the student to the purchasing process. Evaluating, selecting, and managing suppliers, along with sourcing, and legal and ethical issues are covered.

SCM105 Inventory Management (4-0-4)

This course introduces the student to inventory management. The types of inventories along with associated costs and control systems are covered.

SCM201 Quality Mangement (4-0-4)

This course introduces the student to quality frameworks, tools, and strategies. Quality management to improve performance is covered.

SCM203 Lean Six Sigma

This course introduces the student to Lean Six Sigma. Six Sigma process stages along with Lean principles are covered.

SCM250 Logistics & Supply Chain Management Externship (0-9-3)

The externship experience will provide the student with an opportunity to gain marketable, real-world skills while exploring career interests. Application of logistics & supply chain management classroom skills and knowledge will be applied to a work setting environment. The student will work with the Program Director to secure a site and outline goals and expectations.

Marketing

DGM101 Digital Marketing Foundation (4-0-4)

This course introduces the student to the foundations of digital marketing. Identifying target markets, establishing digital marketing goals, and choosing digital marketing channels are covered.

DGM103 Social Media Marketing Strategies (4-0-4)

This course introduces the student to social media marketing strategies. Audience definition, customer loyalty, and effective communication using social media platforms such as Facebook, Instagram, Twitter, and others are covered.

DGM201 Digital Marketing Analytics (4-0-4)

This course introduces the student to principles and practices of digital marketing data analytics. The student will learn how to set and track key performance indicators (KPIs). SEO optimization is also covered.

DGM202 Survey of Mass Media (5-0-5)***

This course examines the historical evolution, content, and structural elements of mass media. Emphasis is placed on print media (newspapers, magazines, etc.), electronic media (radio, television, etc.), and public relations.

DGM203 Content Marketing for Social Media (4-0-4)

This course introduces the student to the principles and practices of content marketing. The student will learn to create relevant content that engages a specific target market or audience. Content marketing components such as blogs, video, infographics, and others are covered.

DGM205 Digital Marketing & eCommerce (4-0-4)

This course introduces the student to eCommerce principles, including business model selection, target marketing, product selection, selling, and promotion.

DGM250 Digital Marketing Externship (0-9-3)

This course has been developed to offer Digital Marketing students an opportunity to work in a digital marketing environment. The externship experience will provide the student with an opportunity to gain marketable, real-world skills while exploring career interests. Classroom skills and knowledge will be applied to a work setting in a digital marketing-related environment. The student will work with the Program Director to secure a site and outline goals and expectations.

MKT101 Merchandising (4-0-4)

This course analyzes and examines the role of merchandising in retailing management. The course focuses on both the strategic and tactical issues, with an emphasis on financial considerations and implementation through merchandise and store management.

MKT188 Merchandising Case Study (1-0-1)

This course is designed to provide a student with the opportunity to work on a special topic/project within the field of marketing. This is part of the SCAD (Savannah College of Art and Design) pathway program.

MKT201 Marketing (4-0-4)

Basic marketing principles covering product development and termination, distribution strategies, promotion, pricing, and marketing analysis are covered. Specifics such as conducting marketing research, ethics, the marketing environment, and target market analysis are also included. The student is expected to complete a marketing plan to enhance the theoretical and practical understanding of the marketing decision-making process. Prerequisite: MGT102

MKT203 Introduction to Marketing (5-0-5)***

This course introduces students to marketing activities, analysis, strategies, and decision-making in the context of other business functions. Topics include the integration of product, price, promotion, and distribution activities; research and analysis of markets, environments, competition, and customers; market segmentation and selection of target markets; and the behavior and perspectives of consumers and organizational customers. The course emphasizes planning and decision-making for products and services in profit and nonprofit, domestic, and global settings.

MKT206 Principles of Selling (4-0-4)

This course explores the concepts and principles utilized in performing the role of the sales professional. Topics include trust-based relationship selling, customer value, and overcoming buyer concerns and resistance. Students will examine effective communication styles that lead to customer satisfaction.

MKT221 Referral-Based Marketing (4-0-4)

This course examines contemporary professional selling by exploring current practices that focus on strengthening relationships. Students will have extensive discussions on sales technology such as Customer Relationship Management (CRM) systems and social media tools. Students will explore various selling situations and develop active listening skills to uncover customer needs and head off challenges.

MKT230 Integrated Marketing Communications (3-2-4)

This course introduces the concept of integrated marketing communication by exploring the five elements of promotion: advertising, public relations, personal selling, sales promotion, and social media. Students will be directed through the process of building an integrated marketing communications plan using the three goals of promotion: informing, reminding, and persuading.
Prerequisite: MKT206

MKT310 Marketing Management (4-0-4)

This course utilizes case methods of instruction to develop skills in marketing decision-making in a firm or other organization. Specific course topics include buyer behavior, marketing planning, product distribution, pricing, promotion, and development of collaborative marketing programs. Prerequisite: A completion of 16 credit hours of MKT courses needs to completed before taking this course.

Mathematics

MAC231 Analytic Geometry & Calculus I (5 Credit Hours)

This is a first course in analytic geometry and the theory and application of calculus. Selected topics include a review of functions, limits and continuity, the derivative, differentiation of algebraic and transcendental functions and their inverses, the Mean Value and Intermediate Value Theorems, extrema and graph sketching, area and the definite integral, anti-differentiation and the Fundamental Theorem of Calculus, and integration of transcendental functions and their inverses. A graphing calculator will be used throughout the course. Students should ask the instructor which calculator will be used

MAC232 Analytic Geometry & Calculus II (3-4-5)***

This is the second course in the analytic geometry and calculus sequence. Building upon the concepts introduced in Analytic Geometry and Calculus I, this course emphasizes advanced techniques and applications of integration, analytic geometry, infinite sequences and series, and parametric and polar calculus. Selected topics include conic sections, translation and rotation of axes, techniques of integration, applications of definite integrals, improper integrals, infinite sequences and series, Taylor and Maclaurin series, parametric equations, and polar coordinates. Technology, including graphing calculators and mathematical software, will be used to investigate concepts, verify solutions, and enhance problem-solving throughout the course.
Prerequisite: MAC231 with a grade of C or higher.

MAC233 Analytic Geometry & Calculus III (3-4-5)***

This is the third course in the analytic geometry and calculus sequence. Building upon the concepts introduced in Analytic Geometry and Calculus II, this course provides an introduction to multivariable calculus, including vectors, vector-valued functions, functions of several variables, partial derivatives, and multiple integrals. Selected topics include three-dimensional analytic geometry, vector operations, partial differentiation, gradients, directional derivatives, optimization, double and triple integrals, iterated integrals, change of variables, and applications of multiple integration. Technology, including graphing

calculators and mathematical software, will be used to investigate concepts, verify solutions, and enhance problem-solving throughout the course.
Prerequisite: MAC232 with a grade of C or higher.

MTH100 Introduction to Math (3-0-3)

This course is designed to improve basic computation skills as well as introduce the student to some preliminary algebraic manipulations. The material covers order of operations, exponents, fractions, decimals, proportions, and percent. Correct terminology will be used. Application problems are used extensively throughout the course.

MTH102 Algebra I (5-0-5)

This course is an introduction to algebra. The content will cover the study of operations on integers and rational numbers, the solution of equations with one and two unknown variables, linear equations, and coordinate graphing. Application problems are used extensively throughout the course.

MTH104 Elementary Differential Equations (5-0-5)***

This course is an introduction to ordinary differential equations with applications. Topics include boundary value problems; methods for solving first-order differential equations; and solutions of higher-order linear equations using methods such as undetermined coefficients, operators, variation of parameters, and Laplace transforms.

MTH105 Introduction to Discrete Mathematics (5-0-5)***

This course covers an introduction to the foundations of discrete mathematics, including functions, relations, sets, simple proof techniques, Boolean algebra, fundamentals of logic, partial orders, elementary number theory, and the fundamentals of counting, etc.

MTH106 Linear Algebra (5-0-5)***

In this course, the topics include systems of linear equations, vector spaces, and subspaces, bases, linear transformations, determinants, eigenvalues and eigenvectors, diagonalization of symmetric matrices, and orthogonality.

MTH107 Introduction to Partial Differential Equations (5-0-5)***

This course is an introduction to Fourier series, the method of separation of variables, and d'Alembert's formula. Maximum principles, energy integrals, and uniqueness; the wave equation, heat equation and Laplace's equation; Sturm-Liouville problems and eigenfunction expansions.

MTH121 Pre-Calculus (4-0-4)

An introduction to differential and integral calculus. Topics include limits, derivatives, exponential and logarithmic functions, and applications of the derivative. This class will also examine indefinite and definite integrals and applications to business problems.

MTH122 Calculus of Several Variables (5-0-5)***

This course is an introduction to the calculus of functions of several variables. Main topics include vector calculus, partial derivatives, directional derivatives, Lagrange multipliers, multiple integrals, line integrals, Green's theorem, Stokes' theorem, divergence theorem, etc.

MTH199 Independent Study/Seminar (1-5 Credit Hours)

Independent study/seminar is designed to provide a student with the opportunity to work on special topics/projects within the field of math. (Permission of the Academic Dean is required.)

MTH210 Introduction to Algorithms (5-0-5)***

The topics in this course include the basic definitions of algorithms; dynamic programming; sorting, searching, and selection; advanced data structures and their applications; and graph algorithms and search techniques such as minimum spanning trees and depth-first search.

MTH220 Introduction to Probability (5-0-5)***

This course includes probability spaces, random variables, conditional expectation and probability, independence, joint distributions and their consequences, conditional distributions, and the Central Limit Theorem.

MTH225 Linear Algebra & Matrix Theory (4-0-4)

This course is intended for students in mathematically rich disciplines, including those who want to choose Electrical and Computer Engineering. An introduction to vectors, matrices, systems of linear equations, and three-dimensional geometry.

MTH226 Finite Mathematics (5-0-5)***

The topics covered in this course include linear systems, matrices, linear programming, set theory, and probability.

MTH230 Algebra II (4-0-4)

This course covers a review of number systems, elementary theory of equations and inequalities, functions and relations, exponentials and logarithms, systems of equations, and topics in analytic geometry.
Prerequisite: MTH102

MTH235 Mathematics of Economics I (5-0-5)***

This course's topics include the notion of functions; classical functions; limits and continuity; derivatives and their interpretation; differentiation rules; exponential, inverse, and logarithmic functions and their derivatives; linear approximation; differentials; elasticity; local and global extrema; higher-order derivatives; convexity; functions of several variables; partial derivatives; and optimization for multivariable functions.

MTH236 Mathematics for Economics II (5-0-5)***

The topics in this course include optimization, multivariable functions, linear systems, matrix algebra, the Riemann integral, integration techniques, and differential equations.

MTH261 Differential Equations (5 Credits)***

This course provides an introduction to ordinary differential equations with emphasis on analytical solution techniques, mathematical modeling, and applications in science and engineering. Topics include first-order differential equations, higher-order linear differential equations, systems of differential equations, Laplace transforms, numerical methods, power series solutions, and qualitative analysis. Students will develop analytical problem-solving skills and apply differential equations to formulate, analyze, and interpret mathematical models.
Prerequisite: MAC232 with a grade of C or higher.

MTH310 Calculus I (4-0-4)

This course covers definitions of functions, and differential calculus of algebraic, including limits, continuous, derivatives, maxima/minima, Concavity, Points of inflection, and curve sketching.
Prerequisite: MTH102

MTH311 Survey of Calculus I (5-0-5)***

This course's topics include functions, limits, and continuity, differentiation, applications of the derivative, integration, and its applications.

MTH312 Calculus II (4-0-4)

This course is an introduction to the integral calculus of algebraic functions. It covers Indefinite and definite integrals with an emphasis on business applications and technology use.
Prerequisite: MTH102

MTH315 Numerical Analysis (5-0-5)***

The main topics in this course include numerical differentiation and integration, approximation, statistical analysis, finite difference methods, numerical solutions to ordinary and partial differential equations, methods of numerical linear algebra, and modeling of stochastic processes.

MTH316 Linear Algebra (5-0-5)***

This course provides an introduction to linear algebra with emphasis on systems of linear equations, vector spaces, and linear transformations. Topics include bases, determinants, eigenvalues and eigenvectors, diagonalization, and orthogonality. Students will develop analytical and problem-solving skills through the study and application of linear algebraic concepts.
Prerequisite: MAC231 with a grade of C or higher.

MTH325 Introduction to Mathematical Statistics (5-0-5)***

Topics covered in this course include estimation, hypothesis testing, linear regression and ANOVA, nonparametric methods, and other topics.

MTH330 Statistics (4-0-4)

This course covers an introduction to the following: methods of collection, tabulation, presentation, and analysis of numerical data, including frequency distribution, construction of tables and drafts, probability, sampling, decision-making under uncertainty, study of indexes, simple regression, and correlation.
Prerequisite: MTH102.

MTH332 Introduction to Statistics (5-0-5)***

Topics covered in this course include graphic and numerical representations of various types of data; probability and statistics; discrete and continuous probability distributions; sampling and estimation; and statistical inference.

MTH335 Statistical Methods (5-0-5)***

Topics in this course include basic concepts of probability, normal and binomial distributions, hypothesis testing, confidence intervals, correlation and regression, and the chi-square distribution.

MTH336 Applied Statistics (6-0-6)***

Topics in this course include exploratory data collection, probability, statistical inference, hypothesis testing, ANOVA, analysis of variance, and simple and multiple regression.



Nursing

NUR101 Fundamentals of Nursing with Lab/Clinical (8-0-8)

Fundamentals of Nursing (NUR101) (4/2/2) introduces students to the role of the associate degree nurse in contemporary nursing practice. Utilizing the Quality and Safety Education for Nursing (QSEN) Competencies as the organizing theme, students acquire knowledge, skills, and behaviors to develop clinical judgment and deliver safe and effective client care. Students are introduced to patient-centered care, teamwork and collaboration, evidence-based practice, quality improvement, safety, and informatics. A focus is placed on the NCSBN basic care and comfort client needs category.

The laboratory and clinical components of the course focus on comfort measures, assistance with daily living activities, environmental concerns, positioning and transporting, asepsis, and basic medication administration. Clinical experiences will provide students with exposure to the adult and older adult (ages 18 and older) population with chronic, stable health conditions.

Prerequisite: MED270

NUR102 Pharmacology I with Lab (4-6-6)

Pharmacology I with Laboratory (NUR102) (4/2/0) provides students the knowledge, skills, and behaviors for safe medication administration. Utilizing the Quality and Safety Education for Nursing (QSEN) competencies (patient-centered care, teamwork and collaboration, evidence-based practice, quality improvement, safety, and informatics), principles of pharmacology are taught. A focus is placed on the NCSBN Pharmacological needs category. The laboratory component of the course provides the students the opportunity to utilize dosage calculation skills, practice safe medication administration (oral, topical, subcutaneous, intramuscular, intradermal, nasal, rectal, etc., and medication administration documentation.

Prerequisite: NUR101

Co-requisite: NUR201

NUR201 Adult Health I with Lab/Clinical (4-8-8)

Adult Health I (NUR201) (4/2/2) reinforces information introduced in NUR101. Utilizing the Quality and Safety Education for Nursing (QSEN) competencies as the organizing theme, students acquire knowledge, skills, and behaviors to develop clinical judgment and deliver safe and effective client care. Students' understanding of QSEN competencies: patient-centered care, teamwork, and collaboration, evidence-based practice, quality improvement, safety, and informatics is built upon by the review of common medical conditions using a body systems approach. A focus is placed on the NCSBN Health Promotion and Maintenance, Reduction of Risk Potential, and Physiological Adaptation client care categories related to health conditions of the circulatory, respiratory, skeletal, muscular, and integumentary body systems. The laboratory and clinical components of the course focus on the assessment and the formulation of a nursing diagnosis, and nursing interventions for clients across the life span (ages 18 and older) (except for obstetric, immediate, newborn, and pediatric clients) with circulatory, respiratory, skeletal, muscular, and integumentary health conditions. Clinical experiences will include clients with stable, acute, and chronic health conditions.

Prerequisite: NUR101

Co-requisite: NUR102

NUR202 Pharmacology II with Lab (4-6-6)

Pharmacology II with Laboratory (NUR202) (4/2/0) provides students with the knowledge, skills, and behaviors for safe medication administration. Utilizing the Quality and Safety Education for Nursing (QSEN) competencies (patient-centered care, teamwork and collaboration, evidence-based practice, quality improvement, safety, and informatics), principles of pharmacology and IV therapy are taught. A focus is placed on the NCSBN Pharmacological and Parenteral Therapies needs category. The laboratory component of the course provides the students with the opportunity to utilize dosage calculation skills, practice safe medication administration (all routes), including IV therapy, and medication administration documentation.

Prerequisite: NUR101 and NUR102

Co-requisite: NUR201 or NUR203

NUR203 Adult Health II with Lab/Clinical (9-?-?)

Adult Health II (NUR203) (4/2/3) reinforces information introduced in NUR101. Utilizing the Quality and Safety Education for Nursing (QSEN) competencies as the organizing theme, students acquire knowledge, skills, and behaviors to develop clinical judgment and deliver safe and effective client care. The students' understanding of QSEN competencies: patient-centered care, teamwork and collaboration, evidence-based practice, quality improvement, safety, and informatics is built upon by the review of common medical conditions using a body systems approach. A focus is placed on the NCSBN Health Promotion and Maintenance, Reduction of Risk Potential, and Physiological Adaptation client care categories related to health conditions of the digestive, nervous, endocrine, excretory/urinary, and lymphatic body systems. The laboratory and clinical components of the course focus on the assessment and the formulation of a nursing diagnosis and nursing interventions for clients across the life span (ages 18 and older) (except for obstetric, immediate newborn, and pediatric clients) with digestive, nervous, endocrine, excretory/urinary, and lymphatic health conditions. Laboratory and clinical experiences will include clients with stable, acute, and chronic health conditions.

Prerequisite: NUR102 and NUR201 Co-requisite: NUR202

NUR235 Maternal-Child Nursing with Clinical (5-0-5)

Maternal-Child Nursing (NUR235) (4/0/1) introduces students to the role of the associate degree nurse in contemporary nursing practice of nursing care for childbearing and childrearing families from birth to adolescence. Utilizing the Quality and Safety Education for Nursing (QSEN) competencies as the organizing theme, students acquire knowledge, skills, and behaviors to develop clinical judgment and deliver safe and effective client care. Concepts of patient-centered care, teamwork and collaboration, evidence-based practice, quality improvement, safety, and informatics continue to be developed. A focus is placed on the NCSBN Health Promotion and Maintenance client care needs category. The clinical component of the course focuses on experiences providing students with exposure to childbearing and childrearing families. Student experiences will occur in various community and healthcare settings. Clinical experiences may include simulated learning experiences utilizing high and/or mid-moderate fidelity simulation in the care of obstetrical, immediate newborn, and/or pediatric (age birth to 18) clients.

Prerequisite: NUR202 and NUR203

Co-requisite: NUR240

NUR240 Mental Health Nursing with Clinical (5-0-5)

Mental Health Nursing with Clinical (NUR240) (4/0/1) introduces students to the role of the associate degree nurse in contemporary nursing practice in the care of clients experiencing psychiatric/mental health care needs. Utilizing the Quality and Safety Education for Nursing (QSEN) competencies as the organizing theme, students acquire knowledge, skills, and behaviors to develop clinical judgment and deliver safe and effective client care. Concepts of patient-centered care, teamwork and collaboration, evidence-based practice, quality improvement, safety, and informatics continue to be developed. A focus is placed on the NCSBN Psychosocial Integrity client care needs category. The clinical component of the course focuses on experiences providing students with exposure to the adult and older adult population (ages 18 and older) with psychiatric-mental health conditions. Students' experiences will occur in various community and healthcare settings.

Prerequisite: NUR201 and NUR202

Co-requisite: NUR235

NUR265 Nursing Leadership (4-0-4)

Nursing Leadership (NUR265) (4/0/0) introduces students to the role of the associate degree nurse in contemporary nursing practice as the manager of client care. Utilizing the Quality and Safety Education for Nursing (QSEN) competencies as the organizing theme, students acquire knowledge, skills, and behaviors to develop clinical judgment and deliver safe and effective client care. Concepts of patient-centered care, teamwork and collaboration, evidence-based practice, quality improvement, safety, and informatics continue to be developed. A focus is placed on the NCSBN Management of Care needs category. Emphasis is placed on delegation of nursing tasks; legal, ethical, historical, and emerging issues in nursing; professionalism (including mentorship); and prioritization and resource allocation. Prerequisite: NUR235 and NUR240

Co-requisite: NUR270

NUR270 Adult Health III with Lab/Clinical (6-6-9)

Adult Health II (NUR270) (4/2/3) allows students to synthesize and apply principles of nursing care gained in previous nursing (NUR) program courses. A focus is placed on emergency/urgent nursing care and environmental disaster management. Utilizing the Quality and Safety Education for Nursing (QSEN) competencies as the organizing theme, students apply knowledge, skills, and behaviors and clinical judgment to deliver safe and effective client care. The students' application of QSEN competencies: patient-centered care, teamwork and collaboration, evidence-based practice, quality improvement, safety, and informatics are utilized in the nursing care of clients across the life span, with complex medical conditions and comorbidities, in various acute and chronic health care settings. A focus is placed on the NCSBN Management of Care, Safety and Infection Control, Health Promotion and Maintenance, and Physiological Adaptation client care needs categories. The clinical component of the course focuses on the assessment and the evaluation of nursing care of clients across the life span with a focus on urgent/emergency nursing care and environmental disaster response nursing roles and responsibilities. Clinical exposure will include communities and clients with complex medical conditions and comorbidities, in various acute and chronic health care settings. Prerequisite: NUR235

Co-requisite: NUR265

Office Administration

OAM223 Business Communications (3-2-4)

This course will enable students to develop communication skills that will be effective in job search, performance, career advancement, and organizational success. Students will develop effective writing, listening, presenting, and interview skills through the process of practice, application, and meaningful feedback. For maximum student benefit, this course should be taken in a student’s last quarter.

Prerequisites: COM121 and IDS110

Political Science

POL204 U.S. Federal Government

In this course, basic aspects of the federal government are studied. Emphasis is placed upon content and interpretation of the Constitution, Federalism, the Congress, the Presidency, the federal court system and the citizen’s connection to the federal government by means of elections, political parties, interest groups and public opinion.

Social Science

HST200 World History Since 1500 (5-0-5)***

This course explores modern world history since 1500. We will examine the intellectual, economic, political, social, and cultural forces that have linked and shaped the major world societies since 1500.

SSC110 Principles of Sociology (4 Credits)***

This course provides a comprehensive introduction to the sociological perspective, examining how social structures, institutions, and cultural forces shape individual behavior and group dynamics. Topics include sociological theory, research methods, culture, socialization, social stratification, race and ethnicity, gender, family, education, religion, and social change. Students will develop critical thinking skills to analyze contemporary social issues, evaluate empirical evidence, and understand the complexities of a diverse and interconnected world. Emphasis is placed on applying sociological concepts to real-world phenomena and understanding the relationship between personal experience and broader social forces.

SSC118 Introduction to Psychology Case Study (1-0-1)

This course is designed to provide a student with the opportunity to work on a special topic/project within the field of psychology.

SSC120 Introduction to Philosophy I (5-0-5)***

This course studies the fundamental philosophical problems and concepts. Speculation about limits of human understanding, value judgments, foundations of morality, and speculation about the existence of God in order to present students with the tools for constructing their own philosophy.

SSC130 Introduction to Sociology (5-0-5)***

This course includes an introductory survey of sociology. Topics include group behavior, race relations, population, social institutions, social change, and social stratification.

SSC145 Child Psychology (4-0-4)

This course focuses on the levels of development of children (conception through middle childhood), focusing on the physical, emotional, cognitive, social, and language theories and research. Emphasis is placed on the environment and its relationship to development in a holistic approach.

SSC201 Economics (4-0-4)

This course will utilize real-world economic applications to create a basic understanding of economic concepts and the U.S. economic system. It includes an introductory range of both macro and microeconomic concepts. The basics of consumer demand, supply, decision-making, competition, the labor market, government intervention, the Business Cycle, as well as an overview of Monetary and Fiscal Policies will be covered.

SSC213 Introduction to Psychology (4-0-4)

This course examines behavior and mental processes including topics such as human development, sensation and perception, states of consciousness, learning, memory, thinking, language, intelligence, motivation, emotion, personality, psychological disorders, therapies, health and well-being.

SSC214 General Psychology (5-0-5)***

This course is a survey of major psychological topics, theories, and approaches to the scientific study of human behavior and mental processes. Topics include research methods, sensation, human development, learning, perception, motivation, emotion, personality, psychotherapy, social influences, the biological functioning of the nervous system, and health psychology.

SSC215 Research Methods in Psychology (5-0-5)***

This course introduces methods and techniques of scientific psychological research. Topics include interpretation of research, research problems and design, scientific writing, ethics, and literature review techniques.

SSC220 Human Geography (4 Credits)***

This course introduces the spatial patterns and processes that shape human organization of the Earth’s surface. Students will explore the relationships between human societies and their environments, examining topics such as population dynamics, migration, cultural landscapes, urbanization, political geography, economic development, agricultural systems, and globalization. Emphasis is placed on geographic methodologies, including cartography, spatial analysis, and Geographic Information Systems (GIS) concepts. Through case studies from diverse world regions, students will develop an understanding of how geographical factors influence cultural identity, resource distribution, and global interconnectedness.

SSC230 Lifespan Development (5-0-5)

Provides a broad and foundational overview of the field of human development, starting from conception, ending through the process of death, and dying. In this course, you will discover topics starting with the beginning up to three years of age, early childhood, middle childhood, adolescence, emerging and young adulthood, middle adulthood, late adulthood, and the end of life. Through all stages in the life cycle, you will examine physical and cognitive development and psychosocial development.

SSC300 Managerial Economics (5-0-5)***

This course introduces students to the application of economic theory and methodology to managerial decision-making in modern business environments. Covering demand analysis, production and cost functions, market structures, pricing strategies, and risk assessment, students develop analytical skills to optimize firm behavior under constraints. Emphasis is placed on marginal analysis, forecasting, and strategic thinking in competitive and imperfectly competitive markets. Through case studies, quantitative techniques, and real-world applications, students learn to evaluate business alternatives and formulate evidence-based strategies.

SSC301 Principles of Microeconomics (4-0-4)

This course analyzes the economic behavior of individuals, households, and firms and examines how their interactions in markets determine the prices and quantities of goods and services. The material covered will build on concepts presented in Economics 201. Rigorous, quantitative, and analytical approaches are utilized to study domestic and global issues.
Prerequisites: MTH310 and SSC201.

SSC302 Principles of Macroeconomics (4-0-4)

Basic techniques and fundamental concepts are used to study the overall macroeconomy and the policies that affect it. Students will study the determinants of national income and long-run growth; causes and consequences of unemployment, inflation, and business cycle fluctuations; determination of foreign exchange rates and current account imbalances; and the role of government policy in various settings.
Prerequisites: MTH310 and SSC201.

SSC303 Introduction to Microeconomics (5-0-5)***

This course introduces the fundamentals of microeconomics. It examines the economic behavior of individuals, households, and firms, and their interactions in markets that determine the prices and quantities of goods and services. Topics include scarcity, supply and demand, equilibrium, opportunity cost, production possibilities and indifference curves, specialization, comparative advantage, economic profit, market structures, international trade, and equilibrium.

SSC304 Introduction. to Macroeconomics (5-0-5)***

This course introduces the major theories of macroeconomic phenomena. Students will study the market system, the roles of the private and public sectors, national income accounting, the foreign exchange market, unemployment, inflation, aggregate demand and expenditure, macroeconomic policy, economic growth, globalization, and the role of government policy in various settings.

SSC306 Intermediate Microeconomics (4-0-4)***

This course builds upon the concepts and analytical tools introduced in Principles of Microeconomics to provide an intermediate study of consumer and producer behavior and market outcomes. Topics include consumer choice, demand analysis, production and cost theory, market structures, pricing and resource allocation, game theory, and market failure. Analytical and quantitative approaches are used to examine economic models, strategic behavior, market efficiency, and the effects of economic policies.
Prerequisite: SSC301 with a grade of C or better

SSC307 Intermediate Macroeconomics (4-0-4)***

This is an intermediate course in macroeconomic theory and its application. We will study the determinants of long-term economic growth, consumption, savings, investment, short-term economic fluctuations, unemployment, money, and business cycles etc.

SSC308 Intermediate Microeconomic Theory (5-0-5)***

This is an intermediate course in macroeconomic theory and its applications. Topics include the determinants of long-term economic growth, consumption, saving, investment, short-term economic fluctuations, unemployment, money, and business cycles.

SSC309 Intermediate Macroeconomic Theory (5-0-5)***

This is an intermediate course in macroeconomic theory and its applications. Topics include the determinants of long-term economic growth, consumption, saving, investment, short-term economic fluctuations, unemployment, money, and business cycles.

SSC400 Behavioral Economics (5-0-5)***

This course examines how psychological factors shape economic decisions under risk, time, and social interactions. Topics include behavioral game theory, present bias, and bounded rationality. Students will learn to apply behavioral insights to real-world markets and policy design.

SSC402 Gender in the Economy (5-0-5)***

This course examines gender economics, covering labor market discrimination, household power dynamics, credit access, globalization, marriage, fertility, and empowerment. Using feminist economic theories and cross-cultural comparisons, we analyze causes and solutions for gender inequalities, drawing on empirical evidence and policy-oriented research. Topics include wage gaps, occupational segregation, gendered economic behavior, marriage markets, fertility decline, suffrage, and LGBTQ+ economics. Students will develop a framework to assess economic issues through a gender lens and evaluate real-world policy impacts.

Science

CHM111 Fundamentals of Chemistry with Lab (4-4-6)***

This course introduces the fundamental laws and theories of general chemistry. Topics include matter and energy, the concept of the atom, atomic structure and the periodic properties of the elements, chemical reactions and reaction stoichiometry, reactions in aqueous solutions, basic concepts of chemical bonding, molecular geometry, and bonding theories.

CHM260 Organic Chemistry I with Lab (4-4-6)***

This course provides an overview of the fundamental principles and concepts of organic chemistry. Topics covered include bonding in organic structures, acid-base chemistry, stereochemistry, substitution and elimination reactions, alkene reactions, and an introduction to spectroscopic techniques. Additional topics include alkanes and cycloalkanes, alkyl halides, alkynes, radical reactions, organic synthesis, and the chemistry of alcohols, phenols, ethers, and epoxides.

CHM265 Organic Chemistry II with Lab (4-4-6)***

This course serves as a continuation of Organic Chemistry I and is designed to further students' understanding of the structure, reactivity, and synthesis systems and aromaticity, electrophilic and nucleophilic aromatic substitution, carbonyl chemistry, enolates and enols, and an introduction to pericyclic reactions. Spectroscopic methods are incorporated throughout the course to support and reinforce structure determination.

PHS120 Introduction to Astronomy (5-0-5)***

This course is an introduction to the elementary aspects of the astronomical universe. Topics include the history and development of astronomy, instrumentation, the solar system, stars, galaxies, and cosmology. Star-gazing sessions and planetarium visits are included to identify prominent constellations and stars.

PHS123 Fundamentals of Physics I with Lab (4-4-6)***

This is an introductory course in college physics. We will mainly study the fundamentals of Newtonian mechanics and the physics of fluids. Topics include kinematics, dynamics, energy, momentum, rotational motion, fluid dynamics, etc.

PHS127 Principles of Physics II with Lab (4-4-6)***

This course contains the study of electricity, magnetism, and topics in modern physics of fluids. Topics include kinematics, dynamics, energy, momentum, rotational motion, fluid dynamics, etc.

PHS128 Physical Science (5-0-5)***

This course introduces fundamental concepts used to interpret the physical world, including Newtonian mechanics, properties of matter, electromagnetism, waves and sound, and basic cosmological phenomena. Emphasis is placed on conceptual understanding and the application of physical principles to real and simulated situations. Students will develop skills in analyzing physical systems, interpreting data, and apply scientific reasoning in everyday contexts.

SCI121 Introduction to Biology (4-0-4)

This is an introductory course overviewing biology for students who are not majoring in science. This course emphasizes the methods of scientific inquiry as a way to answer a variety of questions by exploring, describing, and explaining how science is done and what the biological sciences contribute to our understanding of the real world. This course will train students to apply critical thinking to observe, analyze, and synthesize to understand scientific inquiry, chemistry of life, cell structures and function, genetics, evolution, ecology, and an overview of the diversity of life.

SCI122 Introduction to Biology with Lab (4-4-6)***

This course investigates the major biological concepts, including ecology, metabolism, genetics, evolution, and cellular structure. It emphasizes the fundamental principles of biology and the methods of scientific inquiry. Laboratory experiments that support the course topics are chosen.

SCI129 Introduction to Physics I (5 Credits)***

This course is the first semester of a two-semester introductory physics sequence presented without the use of calculus. It is designed for students in the life sciences, pre-professional programs, and other non-engineering majors. Topics include kinematics in one and two dimensions, Newton's laws of motion, work and energy, momentum and collisions, rotational motion, equilibrium, fluids, and thermodynamics. Emphasis is placed on conceptual understanding and algebraic and trigonometric problem-solving, with applications to real-world phenomena. Laboratory work reinforces core principles through hands-on experiments, data collection, and analysis.

SCI130 Introduction to Physics II (5 Credits)***

This course is the second semester of a two-semester introductory physics sequence presented without the use of calculus. It is designed for students in the life sciences, pre-professional programs, and other non-engineering majors. Topics include electrostatics, DC circuits, magnetism and electromagnetism, wave properties, geometric and physical optics, sound, and an introduction to modern physics (relativity and quantum concepts). Emphasis is placed on conceptual understanding and algebraic problem-solving, with applications to everyday life and the natural sciences. Laboratory work involves circuit construction, wave and optical experiments, and investigation of electromagnetic phenomena.

Prerequisite: SCI129 Introduction to Physics I

SCI131 General Physics I - Calculus-Based (5 Credits)***

This course is the first in a two-semester calculus-based physics sequence for science and engineering majors. Topics include kinematics, Newtonian mechanics, work and energy, momentum, rotational motion, equilibrium, and gravitation. Emphasis is placed on mathematical problem-solving, conceptual understanding, and experimental verification of physical laws. Laboratory work involves data acquisition, error analysis, and applying physical principles to real-world phenomena.

Prerequisite: MAC231 Analytic Geometry and Calculus I (may be taken concurrently).

SCI132 General Physics II - Calculus-Based (5 Credits)***

This course is a continuation of General Physics I, covering electricity, magnetism, optics, and modern physics. Topics include electrostatics, DC and AC circuits, magnetic fields, electromagnetic induction, wave optics, and an introduction to quantum mechanics and relativity. Laboratory work emphasizes circuit design, oscilloscope usage, and experimental investigation of electromagnetic phenomena.

Prerequisite: SCI131 General Physics I & MAC232 Analytic Geometry and Calculus II (may be taken concurrently).

SCI141 General Chemistry I (5 Credits)***

This course provides a comprehensive introduction to the fundamental principles of chemistry for science and engineering majors. Topics include atomic structure, stoichiometry, chemical bonding, molecular geometry, thermochemistry, the periodic table, and properties of gases, liquids, and solids. Emphasis is placed on problem-solving strategies and quantitative reasoning. Laboratory work reinforces theoretical concepts through hands-on experiments involving quantitative analysis, data collection, and proper laboratory techniques.

SCI142 General Chemistry II (5 Credits)***

This course is a continuation of General Chemistry I, focusing on advanced topics in chemical equilibrium, kinetics, thermodynamics, electrochemistry, acid-base chemistry, and an introduction to organic chemistry and nuclear chemistry. Laboratory work emphasizes quantitative analytical techniques, instrumental analysis, and the application of chemical principles to complex experimental systems. Prerequisite: SCI141 General Chemistry I.

SCI151 General Biology I (5 Credits)***

This course provides an introduction to the fundamental principles of biology for science majors. Topics include the chemical basis of life, cell structure and function, metabolism, cellular respiration, photosynthesis, genetics, and molecular biology. Emphasis is placed on the scientific method, critical thinking, and experimental design. Laboratory exercises include microscopy, biochemical assays, and genetic analysis to reinforce core concepts.

SCI151 General Biology II (5 Credits)***

This course is a continuation of General Biology I, focusing on the diversity of life, evolution, ecology, animal and plant physiology, and developmental biology. Topics include phylogeny, population genetics, ecosystem dynamics, comparative anatomy, and physiological adaptations. Laboratory work emphasizes dissection, field sampling techniques, and data analysis to explore evolutionary and ecological principles.

Prerequisite: SCI151 General Biology I.

SCI210 Organic Chemistry I (5 Credits)***

This course provides a rigorous introduction to organic chemistry for students in the biological and physical sciences. Topics include bonding, structure, and reactivity of organic molecules; nomenclature; stereochemistry; and reaction mechanisms of alkanes, alkenes, alkynes, and alkyl halides. Spectroscopic methods, including infrared (IR) and nuclear magnetic resonance (NMR) spectroscopy, are introduced for structural determination. Laboratory work emphasizes purification techniques, synthesis, and spectroscopic analysis.

Prerequisite: SCI142 General Chemistry II.

SCI210 Organic Chemistry II (5 Credits)***

This course is a continuation of Organic Chemistry I, focusing on advanced reaction mechanisms, synthesis strategies, and the chemistry of aromatic compounds, aldehydes, ketones, carboxylic acids, amines, and biomolecules. Topics include pericyclic reactions, retrosynthetic analysis, and an introduction to organometallic chemistry. Laboratory work emphasizes multi-step synthesis, characterization using advanced spectroscopic techniques, and problem-solving in complex reaction design.

Prerequisite: SCI210 Organic Chemistry I

SCI300 Environmental Issues (4-0-4)

The goal of this course is to prepare students to make responsible decisions regarding environmental issues as individuals, citizens, and members of their chosen career communities. The course will challenge students to think critically about various points of view proposed by scientists investigating environmental problems.

SCI305 Nutrition (4-0-4)

This course presents a cumulative approach to the study of nutrition. Scientific principles regarding the body's use of food and nutrients and how they impact cellular health are examined. Students apply critical thinking to various theories surrounding nutrition, food labeling, and diet planning. Dietary needs of various age groups and disease states are explored.

SSI301 Principles of Environmental Science (6-0-6)***

In this course, we will study the impact of human activities and transformations on the Earth's physical and biological systems. We will also examine possible solutions to current environmental issues. Topics include ecology, natural resources, geology, energy, pollution, population growth, urbanization, climatology, and sustainability.

SSI307 Principles of Nutrition (5-0-5)***

This course investigates the principles of human nutrition, including digestion, absorption, metabolism, and nutrient requirements. Students apply critical thinking to theories related to nutrition, food labeling, and diet planning.

Visual Communication Design**VCD110 Adobe Photoshop (30 Clock Hours)**

This course introduces students to Adobe Photoshop, Photo editing, and image creation, covering a variety of the application's tools. The course also prepares the student to take the Adobe Certified Associate (ACA) Photoshop exam.

VCD110 Adobe Illustrator (30 Clock Hours)

This course introduces the student to Adobe Illustrator. Vector image creation using a variety of application tools is covered. The course also prepares the student to take the Adobe Certified Associate (ACA) Illustrator exam.

VCD115 Adobe InDesign (30 Clock Hours)

This course introduces the student to Adobe InDesign, Layout, and page design, using a variety of applications' tools. The course also prepares the student to take the Adobe Certified Associate (ACA) InDesign exam.

VCD125 Adobe Certified Associate (ACA) Exam Preparation (60 Credit Hours)

This course prepares students to take the Adobe Certified Associate exams for Adobe Photoshop, Illustrator, and InDesign.

Prerequisites: VCD100, VCD110, and VCD115

Doctor of Business Administration (Business Elective)

BUS700 Corporate Finance (6-0-6)

This course explores strategic financial decision-making within corporate contexts. Students analyze capital budgeting, cost of capital, financing strategies, corporate valuation (including ESG and intangibles), dividend policy, and M&A, along with risk management frameworks. The course emphasizes leveraging archival and market data, access to finance innovations, and critical engagement with finance theory and applied research.

BUS710 International Business (6-0-6)

This course offers a deep dive into international trade systems, exchange rate dynamics, global economic policies, and multinational strategies. Students critically assess geopolitical, cultural, and regulatory drivers shaping business across borders. Research focus includes cross-border governance, global supply chains, and ethical international management.

BUS730 Researching Operations & Supply Chain Management

This course equips students to conduct cutting-edge research in operations and SCM. Topics include process optimization, bottleneck analysis, Lean Six Sigma, forecasting, inventory control, sustainability initiatives, and blockchain in operations. The focus is on applied research methods, empirical studies, and building evidence-driven improvements.

BUS735 Organizational Behavior (6-0-6)

This course investigates the interplay of individual, team, and organizational dynamics. Students analyze leadership theories, culture, motivation, decision-making, and organizational change. The course emphasizes critical evaluation of empirical literature and the design of original behavioral research to enhance organizational effectiveness.

BUS740 Perspective on Consumer Behavior (6-0-6)

This course examines consumer decision-making through psychological and economic lenses. Topics include perception, attitudes, social and unconscious influences, digital marketing trends, social media, and behavioral nudges. Students employ contemporary research and methodologies, including experimental and psychographic analysis, to interpret and predict consumer actions.

BUS800 Research Analysis in Accounting (6-0-6)

This course focuses on scholarly and applied research in accounting disciplines, financial reporting, managerial accounting, audit, and sustainability reporting. Students critically assess frameworks such as “beyond budgeting,” balanced scorecard, and performance measurement, applying analytical methods to solve accounting-related research problems.

BUS810 Researching Strategic Leadership & Governance (6-0-6)

This course engages students in the study of leadership effectiveness and governance mechanisms. Topics include board structures, CEO succession, stakeholder accountability, ethical leadership, and CSR governance. Empirical evidence and theoretical models guide students in crafting governance-focused research proposals.

BUS816 Strategic Management (6-0-6)

This course builds competence in environmental scanning, competitive analysis, strategic positioning, business model innovation, alliances, diversification, and implementation challenges. Students critically review and apply strategic theories using empirical cases and rigorous research designs.

BUS820 Qualitative Research Methods & Data Analysis (6-0-6)

This course provides doctoral-level instruction in qualitative methodologies: case studies, grounded theory, ethnography, content, and thematic analysis. Emphasis is placed on data collection, coding strategies, interpretive rigor, and producing high-quality qualitative research suitable for publication.

BUS826 Quantitative Research Methods: Experiment, Survey, Archival Data (6-0-6)

This course covers advanced quantitative methods: experimental design, survey development, regression, SEM, economic modeling, and analysis of large-scale archival data sets. Students will apply software tools to conduct robust statistical research on business questions.

BUS830 Special Topics in Doctoral Education - Elective (6-0-6)

This course offers rotating elective topics reflecting current and emerging business trends, such as AI in management. Students conduct literature-driven exploration of these topics and develop original research proposals.

Applied Doctoral Research Sequence (6-0-6)

BUS880 Applied Doctoral Research Project 1 (Dissertation Proposal Development)

Students frame research problems, conduct literature reviews, and outline the dissertation proposal, including research design and methodology.

BUS886 Applied Doctoral Research Project 2 (Dissertation Proposal Presentation)

Focuses on defending the dissertation proposal before the committee, integrating feedback to refine the research questions and design.

BUS888 Applied Doctoral Research Project 3 (Data Collection & Analysis)

Guides students through data gathering, including fieldwork, experiments, or archival retrieval, and initial data analysis.

BUS890 Applied Doctoral Research Project 4 (Dissertation Presentation & Finalization)

Students finalize their dissertation, defend their findings, and revise for publication readiness and practical application.



Directory

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Davis University is a wholly owned subsidiary of Ameri-Can Education Group, Inc., an Ohio corporation. The governing body is the Davis University Board of Directors

Davis University Board of Directors

The governing body of Davis University is its Board of Directors. The Board of Directors is a group of experienced, dedicated individuals who benefit Davis University with their commitment to excellence and to the quality of Davis University. The Board of Directors provides direction and focus to Davis University, ensuring quality education and preserving institutional integrity.

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The Davis University Foundation (DUF) is a non-profit entity dedicated to creating opportunities for individuals and organizations to provide resources that enhance the education of Davis University students. The DCF Board of Directors is comprised of talented and dedicated individuals who are committed to the mission of Davis University and are responsible for overseeing the activities of the Foundation.

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Advisory Committees provide Davis University with valuable information, including employment trends, employer expectations for new hires, and utilization of technology that impacts the quality and relevance of the institution’s academic programs. Community and business leaders, including alumni, employers, college educators, and high school educators, join Davis University faculty and representatives to form Advisory Committees. Davis University is grateful to the following individuals for their guidance and support.

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- University of Toledo Alumni
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Glossary

Academic Advisor: Personnel who assist students in scheduling and curriculum planning.

Associate Degree: Awarded to a student who has completed 90–110 credit hours in a specific program, as outlined in the college catalog.

Asynchronous Course: A course in which students complete learning activities on their own schedule within established deadlines, without attending regularly scheduled live class sessions. This includes Online courses.

Admission Representative: A person representing the admissions department who speaks with prospective students and enrolls them in the college.

Bachelor’s Degree: Awarded to a student who has completed a minimum of 180 credit hours pertaining to a specific program as outlined in the academic catalog.

Blended Course: Students attend regularly scheduled classes and participate in web-based learning.

Catalog Supplement: Information regarding current tuition and fees.

Certificate: Awarded to a student who has completed 20-36 credit hours pertaining to a specific program as outlined in the academic catalog.

Corequisite: A course that needs to be taken before or at the same time as the listed course.

Credit Hours: Units of measurement assigned to courses based upon the amount of time spent in the classroom and/or lab.

Diploma: Awarded to a student who has completed a program of 36–89 credit hours or six hundred but less than fifteen hundred clock hours.

Doctorate Degree: Awarded to a student who has completed a minimum of 90 credit hours of graduate-level courses pertaining to a specific program as outlined in the academic catalog.

Elective: A course a student may take which is not specifically required in a major but will count toward graduation. (Students should consult their advisors about electives appropriate for their major)

Graduate Students: Students who have earned a bachelor’s degree and are enrolled in a post-baccalaureate program leading to a master’s, doctoral, or other advanced degree.

Hybrid Courses: The course is delivered with direct contact with an instructor via live video-conferencing.

Masters Degree: Awarded to a student who has completed 45 credit hours of graduate-level courses pertaining to a specific program as outlined in the academic catalog.

On-Campus Course: The course is held at the institution’s physical location.

Online Course: The course is delivered asynchronously in an online format.

Prerequisite: A course that needs to be successfully completed before another course can be taken. Information concerning prerequisites is noted in the academic catalog.



Davis University

Founded in 1858

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