



November 2025

Course Number Change

Aerospace Engineering

AEROENG

Spring 2026 Semester

6560.01 **Advanced Aerodynamics**

Previous Number: 6560

G **3**

Advanced elements of aerodynamics across the entire Mach range.

Prereq: Grad standing in Mechanical Engineering or Aerospace Engineering; or permission of instructor.

Not open to students with credit for AeroEng 6560.02. Not open to students in the PMAA program.

Ethnic Studies

ETHNSTD

Spring 2026 Semester

3340 **Border Citizens: Latinx Gender Studies**

Previous Number: 2340

U **3**

Often deemed outsiders and foreigners in US soil, Latinxs thinkers have complicated and diversified our definitions of citizenship. The class will not only address the struggles over citizenship rights endured by this community, it will also expose students to Latinx theories and visions of national belonging across various borders and binaries.

Prereq: Not open to students with credit for 2340, WGSSt 2340, or WGSSt 3340. GE foundation race, ethnicity and gender div course. Cross listed in WGSSt.

Women's, Gender, and Sexuality Studies

WGSST

Spring 2026 Semester

3340 **Border Citizens: Latinx Gender Studies**

Previous Number: 2340

U **3**

Often deemed outsiders and foreigners in US soil, Latinxs thinkers have complicated and diversified our definitions of citizenship. The class will not only address the struggles over citizenship rights endured by this community, it will also expose students to Latinx theories and visions of national belonging across various borders and binaries.

Prereq: Not open to students with credit for 2340, EthnStd 2340, or EthnStd 3340. GE foundation race, ethnicity and gender div course. Cross listed in EthnStd.



New Course

Aerospace Engineering

AEROENG

Spring 2026 Semester

5522 Intermediate Astronautics**U G 3**

Intermediate orbital mechanics with coverage of advanced solution methods of the two-body problem, the two-body two-point boundary value problem, initial orbit determination and statistical orbit determination (IOD-OD), and foundations of non-Keplerian motion including the three-body problem and orbital perturbations.

Prereq: AeroEng 3522 and MechEng 2030; or Grad standing in Engineering; or permission of instructor. Not open to students with credit for AeroEng 5626.

Spring 2026 Semester

6560.02 Advanced Aerodynamics**G 3**

Advanced elements of aerodynamics across the entire Mach range.

Prereq: Enrollment in the Professional Master's of Applied Aeronautics (PMAA) program. Not open to students with credit for AeroEng 6560.01.

Spring 2026 Semester

7616.01 Optimal Design for Flight Vehicles**G 3**

Optimization applied to aircraft and aircraft systems.

Prereq: Grad standing in mechanical or aerospace engineering; or permission of instructor. Not open to students in the PMAA program.

Art

ART

Summer 2026 Term

4799 Landscape Stories: Art & Ecology in Siena**U 3**

This study abroad course provides students opportunities to refine artistic, sustainability, and intercultural skills in exploring the cityscapes and cultural heritage narratives of innovation in Siena, Italy. Students have access to a variety of museums, churches, collections, and archives through partnering with the Siena Art Institute (SART) of Painting. No background in art is required.

Prereq: Not open to students with credit for Italian 4799. Cross-listed in Italian.

Biomedical Engineering

BIOMEDE

Autumn 2026 Semester

6175 Optical Microscopy
G 3

This graduate-level course provides an introduction to geometrical and physical optics and their applications in microscopy. We then discuss modern microscopy methods including fluorescence, confocal, multiphoton, and superresolution microscopy, and how they are used in biomedical science.

Prereq: Grad standing in Engineering, or permission of instructor.

Business Admin: Management & Human Rsrcs

BUSMHR

Autumn 2026 Semester

2200 Leadership Science
U 3

Leveraging the theories and methods of social and behavioral sciences, Leadership Science brings an evidence-based perspective to the study of leadership. Through multi-modal learning experiences, students will be equipped with the mindset necessary to critically evaluate and employ evidence-informed leadership practices in their personal and professional lives.

Civics, Law, and Leadership

CIVICLL

Spring 2026 Semester

3300E How Politics Breaks Your Brain
U 3

Does politics make people smarter or dumber? Students will leave this class with an increased ability to navigate cognitive and moral errors that corrupt political reasoning among citizens in diverse societies. Topics covered include the intersection of citizen identity and politics, the ethics of partisan loyalty, and the role of social groups in the formation of our individual political beliefs.

Comparative Studies

COMPSTD

Spring 2026 Semester

4444 The Sustainability Games
U 4

This course is all about "serious" games: games that go beyond mere entertainment and veer into learning-by-playing. Focusing our academic journey on sustainability-themed tabletop games -- en route to creating your own -- you and your fellow players will be challenged to deconstruct, assess, and envision a future where everyone has a seat at the table now and in the future. Who's ready to play?!

Prereq: English 1110.xx or equiv, or GE foundation writing and info literacy course; and Soph, Jr, or Sr standing; or permission of instructor. GE theme sustainability course, High-Impact Practice Research and Creative Inquiry.

Dentistry

DENT

Spring 2026 Semester

6550 Dentistry Hand Skills Continuing Development
D 1 - 3

This course reviews the fundamentals of operative and fixed preparations and restorations in order to maintain previously developed skills in this area and extends students development of hand skills in fixed and restorative procedures.

Prereq: Enrolled in DDS Program. Repeatable to a maximum of 7 cr hrs or 7 completions. This course is graded S/U.

Electrical and Computer Engineering

ECE

Spring 2026 Semester

4671 Practical Experience in Automotive Manufacturing or Related Area

U 1

Practical experience in automotive manufacturing from a cooperative work experience, internship, undergraduate research project, capstone project, or participation on a student motorsports team.

Prereq: 4670; or ISE 4610; or MechEng 4610; or WeldEng 4610. Not open to students with credit for ISE 4611, MechEng 4611 or WeldEng 4611. Cross-listed in ISE 4611, MechEng 4611 and WeldEng 4611.

Economics

ECON

Spring 2026 Semester

8858 Public Economics

G 3

This PhD field course in public economics examines the theoretical and empirical tools research economists use to analyze the role of government in the economy, with a focus on the normative evaluation of government policies.

Prereq: Grad standing in the Economics department; or permission of instructor.

Human Development And Family Science

HDFS

Spring 2026 Semester

4570 Firearms, Families, and Citizenship: Global Perspectives

U 4

This course equips students with critical thinking/research skills to analyze global firearms citizenship issues through diverse lenses (familial, cultural, ethical, social, democratic resilience). Students will develop a nuanced understanding of the complex landscape surrounding firearms and will cultivate evidence-based perspectives for shaping policy and strengthening democratic citizenship.

GE theme citizenship for div and just wrld course, High-Impact Practice Research and Creative Inquiry.

Health and Rehabilitation Sciences

HTHRHSC

Spring 2026 Semester

4625 Games for Health: Promotion, Prevention, and Rehabilitation

U 4

Educates on using and designing games to support health promotion, risk reduction, rehabilitation, education, and behavior change throughout the lifespan. Also discusses the limitations and risks of gaming to health and wellbeing. Students will engage within and learn about interprofessional teams required to design, develop, and deploy games for health within various contexts and populations.

Industrial and Systems Engineering

ISE

Spring 2026 Semester

4230 Decision Analytics for Integrated Systems Engineering

U 3

Focus on decision analytics, a rigorous system for decision-making support that draws from data science, statistical/machine learning, and mathematical optimization. Provides unique decision-forward perspective: start from needs of decision and apply tools in integrated fashion.

Prereq: C- or above in Math 2568 or 2174; and CSE 1224, or 2221, or Engr 1281.01H or 1281.02H; and Stat 3470; and enrollment in ISE or Engineering Physics major. Not open to students with credit for ECE 5307, BME 5710 or ISE 4230.

Spring 2026 Semester**4611 Practical Experience in Automotive Manufacturing or Related Area****U 1**

Practical experience in automotive manufacturing from a cooperative work experience, internship, undergraduate research project, capstone project, or participation on a student motorsports team.

Prereq: 4610; or MechEng 4610; or WeldEng 4610; or ECE 4670. Not open to students with credit for MechEng 4611, WeldEng 4611 or ECE 4671. Cross-listed in MechEng 4611, WeldEng 4611 and ECE 4671.

Spring 2026 Semester**6230 Decision Analytics for Integrated Systems Engineering****G 3**

Focus on decision analytics, a rigorous system for decision-making support that draws from data science, statistical/machine learning, and mathematical optimization. Provides unique decision-forward perspective: start from needs of decision and apply tools in integrated fashion. Includes focus on mathematical optimization modeling and related algorithmic consequences in ML models. Students are expected to have taken courses in Linear Algebra, Probability and Statistics, and Introductory Programming.

Prereq: Graduate enrollment in College of Engineering. Not open to students with credit for ECE 5307, BME 5710, ISE 4230, ISE 4194 or ISE 6194.

Italian**ITALIAN****Summer 2026 Term****4799 Landscape Stories: Art and Ecology in Siena****U 3**

This study abroad course provides students opportunities to refine artistic, sustainability, and intercultural skills in exploring the cityscapes and cultural heritage narratives of innovation in Siena, Italy. Students have access to a variety of museums, churches, collections, and archives through partnering with the Siena Art Institute (SART) of Painting. No background in art is required.

Prereq: Not open to students with credit for Art 4799. Cross-listed in Art.

Law**LAW****Spring 2026 Semester****6560 Student Protests and the Law****L 1**

This course introduces students to the range of legal issues regarding protests in the United States, with a focus on student protests.

This course is graded S/U.

Mechanical Engineering**MECHENG****Spring 2026 Semester****4611 Practical Experience in Automotive Manufacturing or Related Area****U 1**

Practical experience in automotive manufacturing from a cooperative work experience, internship, undergraduate research project, capstone project, or participation on a student motorsports team.

Prereq: 4610; or ISE 4610; or WeldEng 4610; or ECE 4670. Not open to students with credit for ISE 4611, WeldEng 4611 or ECE 4671. Cross-listed in ISE 4611, WeldEng 4611 and ECE 4671.

Spring 2026 Semester**5686 Smart Product Engineering Design****U G 3**

This course is intended to introduce senior level undergraduate and graduate students to the concepts and process of embedded (smart) product design, through an application based, structured design process. It will build on the fundamentals taught in the Mechanical Engineering undergraduate curriculum and give students an opportunity to apply those concepts in the design of embedded products.

Prereq: 2900, 3360, 3671 and 3870; or Grad standing in engineering.

Microbiology**MICRBIO**

Autumn 2026 Semester**6891 Progress in Biotechnology****G** ½

Students will gain insight into real-world applied molecular sciences and biotechnology research through seminars presented by industry scientists.
Repeatable to a maximum of 2.5 cr hrs. This course is graded S/U.

Moving Image Production**MVNGIMG****Spring 2026 Semester****4193 Individual Studies****U** 1 - 3

Independent study on a special problem or topic in film production not normally covered in courses.
Prereq: Permission of instructor. Repeatable to a maximum of 6 cr hrs or 2 completions. This course is graded S/U.

Spring 2026 Semester**4194 Group Studies****U** 1 - 3

Group studies for work in various fields of film production not normally covered in courses.
Prereq: Permission of instructor. Repeatable to a maximum of 6 cr hrs or 2 completions.

Spring 2026 Semester**4998 Undergraduate Research in Film****U** 1 - 9

Undergraduate research or creative activities in variable film/video production topics.
Prereq: Permission of instructor. Repeatable to a maximum of 9 cr hrs or 3 completions. This course is graded S/U.

Nuclear Engineering**NUCLREN****Spring 2026 Semester****6727 Nuclear Reactor Dynamics****G** 3

This course covers fundamental aspects of nuclear reactor dynamics. Topics include delayed neutrons, point kinetics equations and approximations, numerical solution methods, reactivity measurement, and dynamics with feedbacks.
Prereq: 5002. Not open to students with credit for 6725 or 6726.

Political Science**POLITSC****Autumn 2026 Semester****7250 Politics of Information****G** 3

overview of the rapidly growing literature on the politics of information flow and how information affects public opinion and social outcomes, in both democratic and authoritarian contexts.

Religious Studies**RELSTDS****Spring 2026 Semester****3681 Religion and Work****U** 3

This course centers the workplace as a critical site for understanding contemporary patterns of American religiosity. We will explore a range of perspectives on how spiritual practices, experiences of religious discrimination, and productive labor promote and/or inhibit various dimensions of well-being, including emotional, career, spiritual, and creative.
GE theme health and well-being course.

Welding Engineering**WELDENG**

Spring 2026 Semester**4611 Practical Experience in Automotive Manufacturing or Related Area****U 1**

Practical experience in automotive manufacturing from a cooperative work experience, internship, undergraduate research project, capstone project, or participation on a student motorsports team.

Prereq: 4610; or ISE 4610; or MechEng 4610; or ECE 4670. Not open to students with credit for ISE 4611, MechEng 4611 or ECE 4671. Cross-listed in ISE 4611, MechEng 4611 and ECE 4671.

Remove from Limbo

Atmospheric Sciences**ATMOSSC****Spring 2026 Semester****4191 Internship in Atmospheric Sciences****U 1 - 6**

An opportunity for practical experience and on-the-job learning in an atmospheric sciences related work place.

Prereq: Completion of 12 cr hrs in major program; and CPHR 3.00 or above; and permission of instructor.

Repeatable to a maximum of 15 cr hrs or 5 completions. This course is graded S/U.

Mechanical Engineering**MECHENG****Spring 2026 Semester****7385 Advanced Methods in the Dynamics and Control of Human and Animal Movement****G 3**

Mathematical ideas from control theory, optimization, nonlinear dynamics, and numerical computation that will be used to understand human, animal, and movement behavior and design.

Prereq: 2030 (430), Math 2174, 2415 (415), 4568 (568), or 571, or Grad standing in Engineering.

Music**MUSIC****Spring 2026 Semester****2200.43 Applied Music - Secondary - Clarinet****U 1 - 2**

Fundamental applied music instruction in areas other than a student's major or principal area.

Prereq: Enrollment in Music major. Repeatable to a maximum of 12 cr hrs or 12 completions.

Spring 2026 Semester**7766 Teaching Practices in General Music****G 2**

Study of current concepts in organizing and teaching general music in the secondary school.

Prereq: 4572 (572) or equiv. Not open to students with credit for 766.

Remove from Withdrawal

Agricultural Communication, Education & Leadership**ACEL****Autumn 2026 Semester****7320 Facilitating Adult Learning****G 3**

This course is designed to introduce principles for adult learning in conjunction with facilitation skills to support learning outcomes in educational contexts. The concepts and principles in this course will provide understanding of the adult as a learner and will focus on theory and strategies to inform professional practice.

Prereq: Enrollment in AEEDL-MS program; or permission of instructor.

Components: LEC**Clinical Research****MCR**

Spring 2026 Semester**7572 Global Regulation of Medical Products****G 3**

Exploring legal issues related to clinical research and regulatory affairs. Examining the role of regulatory authorities, regulations and guidelines (US, EU and global) in new product development.
Prereq: 7770; or permission of instructor.

Update Course

Advanced Computing Center for the Arts and Design

ACCAD

Summer 2026 Term**6002 Computer Game Design I****G 3**

Introduction to concepts for designing computer games and other experiential media. The course will provide a foundation for creating real-time interactive content based on deconstruction and analysis of systems and gameplay. Students will learn concepts for content creation and programming through modification of provided game templates to design, develop, and deploy fully working game prototypes.
Prereq: Grad standing; and permission of instructor.

Agricultural Communication, Education & Leadership

ACEL

Autumn 2026 Semester**8420 Leadership and Administration in Agricultural and Extension Education****G 3**

This course focuses on putting leadership theory into practice for administration and management. We will closely examine your personal leadership styles to help you apply them in real-life work, communication, education, Extension, and community settings.
Prereq: Enrollment in AEEDL-MS program or permission of instructor.

Architecture

ARCH

Spring 2026 Semester**5120 History of Architecture II****U G 3**

History of architecture from ancient to contemporary: historical inquiry, physical and cultural influences, theories, and analytical techniques. Continuation of 5110.

Art

ART

Spring 2026 Semester**4007 Intermediate Sculpture****U 3**

Exploration of a range of technical and conceptual concerns of Sculpture using primary materials with a focus on research and experimentation. Metal in AU, Wood in SP.
Prereq: 3017. Repeatable to a maximum of 9 cr hrs.

Spring 2026 Semester**5007 Advanced Sculpture****U G 3**

With rotating faculty, students develop their own visual vocabulary and direction utilizing multiple media. Instruction: wood construction, metal fabrication, casting, and paper making. Sound art, video projection, installation, performance, sewing, and photogrammetry are supported.
Prereq: 3017, or permission of instructor. Repeatable to a maximum of 9 cr hrs.

Art Education

ARTEDUC

Spring 2026 Semester**7775 Social and Cultural Theories in Art and Art Education****G 3**

Critical investigation of theoretical, artistic, and pedagogical concepts related to diversity.

Prereq: 7200.10 or 7200.20; and 7701; or permission of instructor.**Agriscience Education****ASE****Summer 2026 Term****4999 Research with Distinction****U 1 - 6**

Conducting and reporting research with distinction. Students are expected to present at two research forums or other presentation opportunities as agreed upon by the student and project supervisor. The scope of work related to the research project may include all steps in the scientific method (i.e. identify a problem, conduct a review of literature, develop the research design, data analysis).

Prereq: CPHR 3.0 or above; and GPA 3.0 or above; and permission of instructor. Repeatable to a maximum of 6 cr hrs or 3 completions. This course is graded S/U.

Biomedical Engineering**BIOMEDE****Spring 2026 Semester****3702 Measurements and Instrumentation Lab****U 3**

Engineering fundamentals and hands-on experiments for measuring and interpreting data from living systems; Analysis of signals generated by bioelectrical potentials; Interpretation of bioelectrical signals to human physiology and functions.

Prereq: 2000, 2800, and Stat 3450; and enrollment in BiomedE major. Concur: BiomedE 2700 and Physics 1251; or permission of instructor.

Spring 2026 Semester**4902.03 Medical Product Development Capstone II****U 3**

Second course in a culminating BME design sequence for those enrolled in the BS-MS pathway in Medical Product Development (MPD). Introduction to the Biodesign process, focused on opportunity definition, market analysis, and user-centered co-design in collaboration with clinical and corporate partners. Professional and technical skills related to biomedical industries are also developed.

Prereq: 4901.03; and enrollment in BME MPD program; and GenEd 1201 or GenEd 2601; or permission of instructor.

Business Admin: Finance**BUSFIN****Spring 2026 Semester****4213 Corporate Restructuring and Bankruptcy****U 3**

Corporate finance theories as they relate to spinoffs, restructuring, and bankruptcy.

Prereq: 4211 or 4211H; and 4221 or 4221H.

Business Admin: Management & Human Rsrcs**BUSMHR****Summer 2026 Term****2500 Principles of Entrepreneurship****U 3**

Assesses economical, sociological, and psychological foundations of entrepreneurship and its impact on society.

GE soc sci human, nat, and econ resources course. GE foundation social and behavioral sci course.

Summer 2026 Term**3510 Entrepreneurship and Value Creation****U 3**

Examines the many dimensions of new business creation and the fostering of innovation.

Prereq: Not open to students with credit for 3510.01 or 3510.02.

Business Admin: Marketing & Logistics**BUSML****Spring 2026 Semester****4253 Global Marketing****U ½ - 1½**

Examines the theory of marketing across national borders, as well as marketing and market research within different foreign environments, including the development of marketing strategies by the international company.
Prereq: 3250 and BusMHR 2292 or equiv. Repeatable to a maximum of 1.5 cr hrs or 2 completions.

Business Admin: Operations and Business Analytics**BUSOBA****Spring 2026 Semester****4240 Management of Technology****U 3**

This course explores technology and innovation from an operational perspective, emphasizing their role in driving competitive advantage. Students will analyze strategies, processes, and digital tools that enhance innovation capability, while strengthening their skills in strategic thinking, problem solving, and collaboration for effective operational leadership.
Prereq: 2320, 2321, and 3230; and AcctMIS 2200 and 2300; and BusMHR 2291 or 2292.

Chemical and Biomolecular Engineering**CBE****Spring 2026 Semester****2100 Chemical Engineering Seminar****U 1**

A general introduction to the chemical engineering curriculum, academic pathways, educational resources, career options, engineering ethics, and leadership skills.

Civics, Law, and Leadership**CIVICLL****Spring 2026 Semester****2110 American Creeds and Conflicts****U 3**

Surveys how Americans have debated Abraham Lincoln's claim that the Declaration of Independence serves as an "electric cord" uniting citizens of different generations, descents, and circumstances. To what extent does the Declaration provide a strong foundation for American political community? Students compare answers from political leaders, constitutional theorists, and social scientists.
GE foundation social and behavioral sci course.

Dance**DANCE****Spring 2026 Semester****2701 Music Skills for Dance****U 2**

This course is an introduction to essential music skills. The content will explore foundational music theory, appreciation, and music for dance.
Prereq: Enrollment in Dance major; or permission of instructor.

Electrical and Computer Engineering**ECE****Spring 2026 Semester****2060 Introduction to Digital Logic****U 3**

Introduction to the theory and practice of combinational and clocked sequential networks.
Prereq: Math 1148 or 1151. Not open to students with credit for 2000, 2000.02, 2000.07, 2001, 2010, or 2017.

Spring 2026 Semester

3020 Introduction to Electronics

U 3

Electronics: diode and transistor models for amplifiers, switches, and logic gates. Multiple transistor circuit analysis, op amps, and electronic systems.

Prereq: Engr 1182, and ECE 2100 or 2020; or 2021 or 2106, and 2027. Prereq or concur: ECE or EngPhys major; or 2110 and permission of department.

Spring 2026 Semester

3030 Semiconductor Electronic Devices

U 3

Semiconductor materials and devices. Crystals; bandstructure; charge carrier statistics; excess carriers, transport; PN junction; Schottky barrier; bipolar and field-effect transistors; optoelectronic devices.

Prereq: Physics 1251, 1261, or both 1240 and 1241; and Chem 1210, 1220, or 1250; and enrollment in ECE, MSE, or EngPhysics major. Prereq or concur: Math 2415 or 2174.

Summer 2026 Term

3050 Signals and Systems

U 3

Linear systems and models in continuous and discrete time; convolution; Fourier series and transform; frequency response; Laplace transform; z-transform; applications.

Prereq: 2020, 2050, and 2060; or 2100; and Math 2174 or 2568; and enrollment in ECE or EngPhysics major.

Spring 2026 Semester

5037 Solid State Electronics and Photonics Laboratory

U G 4

Introduction to Introduction to laboratory techniques for semiconductor device fabrication including photolithography, oxidation, diffusion, chemical processes, reactive ion etching, and metallization; fabrication and measurements of visible light emitting diodes (LED) and GaN High Electron Mobility Transistor (HEMT).

Prereq: 3030 or MatScEn 3271; or Grad standing in Engineering, Biological Sciences, or Math and Physical Sciences.

Spring 2026 Semester

5551 State-Space Control Systems

U G 3

Discrete-time state variable representations; pole placement via state-feedback; introduction to realization theory; observer design; introduction to Kalman filtering; linear quadratic regulator theory.

Prereq or concur: 3551; or Graduate standing in Engineering, Math, or Physical Sciences; or permission of instructor.

English

ENGLISH

Spring 2026 Semester

3405 Special Topics in Professional Communication

U 3

Study of principles and practices in technical communication, technical editing, managerial communication, international business communication, visual rhetoric, writing for the web, and scientific writing.

Prereq: English 1110.xx; or GE foundation writing and info literacy course. Repeatable to a maximum of 6 cr hrs.

Spring 2026 Semester

3465 Special topics in Intermediate Fiction Writing

U 3

For students who have experience with the basic elements of writing fiction. Special topics focus on particular aspects of the genre; advanced techniques are explored.

Prereq: A grade of C or above in 2265 or 2267. Repeatable to a maximum of 6 cr hrs.

Spring 2026 Semester

3466 Special Topics in Intermediate Poetry Writing

U 3

For students who have experience with the basic elements of writing poetry. Special topics focus on particular aspects of the genre; advanced techniques are explored.

Prereq: A grade of C or above in 2266 or 2267. Repeatable to a maximum of 6 cr hrs.

Spring 2026 Semester

3468 Special Topics in Intermediate Creative Nonfiction Writing

U 3

For students who have experience with the basic elements of writing creative nonfiction. Special topics focus on particular aspects of the genre; advanced techniques are explored.

Prereq: A grade of C or above in 2268 or 2267. Repeatable to a maximum of 6 cr hrs.

Spring 2026 Semester

4150 Cultures of Professional Writing

U 3

Examine writing in various workplaces. Analyze writing discourse that shapes professional organizations.

Explore ongoing technological and cultural shifts required of workplace writers and the role of digital media.

Prereq: English 1110.xx; or GE foundation writing and info literacy course. Not open to students with credit for CSTW 4150.

Food Science and Technology

FDSCTE

Summer 2026 Term

3110 Alternative Packaging for a Greener Planet

U 4

This Sustainability course focuses on the dependence of humans on earth and environmental systems through the lens of alternative packaging. Plastic packaging accounts for >30% of global plastic consumption.

Sustainable alternatives to current packaging methods are urgently needed. This course addresses sustainability through the dimensions of engineering, technology, and design.

Prereq: Soph, Jr, or Sr standing. GE theme sustainability course, High-Impact Practice Interdisciplinary and Integrated Collaborative Teaching.

French

FRENCH

Spring 2026 Semester

4690 French for the Professions Internship

U 1 - 6

Students who have secured a professional internship in a French-speaking context (whether abroad or in the US) may seek permission to register for 1-6 credit hours of FRENCH 4690 for the completion of the internship and a set of accompanying assignments. Completion of FRENCH 3501, 3502 or 3503 is recommended, but not required. Notify DUS no later than one semester prior to start of internship.

Prereq: Two (2) 3000-level courses taught in French; or permission of department Director of Undergraduate Studies. Repeatable to a maximum of 6 cr hrs or 6 completions. This course is graded S/U.

Geography

GEOG

Spring 2026 Semester

4191 Internship In Geography

U 1 - 6

An opportunity to reflect on practical experience and on-the-job learning that connects with classroom training and prepares students for a career.

Prereq: Completion of 12 cr hrs in major program; and CPHR 3.00 or above; and permission of instructor.

Repeatable to a maximum of 15 cr hrs or 5 completions. This course is graded S/U.

History

HISTORY

Spring 2026 Semester

2003 American Civics through History

U 3

This course introduces students to the complex history of American democratic civic traditions through close analysis of some of the most important texts and concepts in U.S. political history from the colonial era to the present.

GE foundation historical and cultural studies course.

Spring 2026 Semester**7711 Graduate Readings in the History of Medicine and Health****G 3**

A graduate readings course that introduces students to the history of medicine and health as a historical field and will explore how work in the history of medicine and health intersects with scholarly insights in other fields.
Prereq: Grad standing.

Mechanical Engineering**MECHENG****Spring 2026 Semester****4902.02 ME Capstone Design II: Student Design Competitions****U 2½**

Second course of 2-semester senior capstone series. Complete work on design project associated with student design competitions. Emphasis on detailed design, prototype, evaluation, and documentation.
Prereq: 4902.01; and GenEd 1201 or 2601; or permission of instructor.

Spring 2026 Semester**5339 Modeling and Simulation Techniques for Dynamic Systems and Control****U G 3**

Introduction and use of software tools for dynamic system modeling, control system analysis, and design. Application to real world dynamic systems, with emphasis on model development and validation, parameter identification, and results presentation.
Prereq: 3360; and enrollment in MechEng; or Graduate standing in MechEng; or permission of instructor.

Microbial Infection and Immunity**MEDMCIM****Spring 2026 Semester****7500 Departmental Seminar - Recent Discoveries in Immunology and Microbial Pathogenesis****G 1**

The Department of Microbial Infection and Immunity Seminar Series will host nationally and internationally recognized speakers on a biweekly basis throughout the semester. This course will educate students in how to prepare for and appreciate these seminars through submission of written-format summary statements.
Repeatable to a maximum of 14 cr hrs. This course is graded S/U.

Optometry**OPTOM****Spring 2026 Semester****6190 Introduction to Clinical Diagnostic Reasoning in Optometry****O 1½**

Using a problem-based learning format, optometric cases will be utilized to model and develop diagnostic reasoning skills emphasizing basic science and systemic disease.
Prereq: 1st yr standing in Optom. This course is graded S/U.

Components: WRK**Summer 2026 Term****7190 Intermediate Clinical Diagnostic Reasoning in Optometry****O 1½**

Using a problem-based learning format, optometric cases will be utilized to further develop clinical diagnostic and management skills requiring basic and clinical science integration.
Prereq: 3rd yr standing in Optom. This course is graded S/U.

Components: WRK**Pharmacy****PHR****Spring 2026 Semester****3100 Human Physiology and Disease****U 4**

This course examines principles of human physiology and provides an overview of the most common pathophysiological diseases.
Prereq: Biology 1113.xx or 1114.xx; and Chem 1210, 1250, 1610, 1910H, or Chem 1206 and 1208; and enrollment in the BSPS program; or permission of instructor.

Spring 2026 Semester

3410.01 Science Communication & Engagement

U 1

Within the College of Pharmacy Learning Laboratory at the Center of Science and Industry (COSI, students will learn science communication and outreach creation as they engage museum guests with hands-on science outreach activities.

Prereq: permission of instructor. Repeatable to a maximum of 6 cr hrs. This course is graded S/U.

Spring 2026 Semester

3410.02 Science Communication & Engagement

U 2

Within the College of Pharmacy Learning Laboratory at the Center of Science and Industry (COSI, students will learn science communication and outreach creation as they engage museum guests with hands-on science outreach activities.

Prereq: permission of instructor. Repeatable to a maximum of 6 cr hrs. This course is graded S/U.

Spring 2026 Semester

5410 Communicating Vaccine Science

U G P 3

Vaccines represent an important advancement in modern medicine, preventing illness and saving millions of lives worldwide. Yet, despite their proven safety and effectiveness, vaccine refusal and hesitancy remain challenges for public health. This course examines the factors that contribute to vaccine decision-making, including psychological, social, and cultural influences.

Spring 2026 Semester

7291 Teaching Assistant Experience

P ½ - 8

PharmD students enrolled in PHR 7921 Teaching Assistant Experience will serve as teaching assistants for a College of Pharmacy course. Each student will be assigned to one section of the course for which they will assist the faculty with various activities such as instruction, course material development, and/or grading.

Prereq: Enrollment in the PharmD program. Repeatable to a maximum of 12 cr hrs or 6 completions. This course is graded S/U.

Physics

PHYSICS

Spring 2026 Semester

7998 Graduate Research

G 1 - 15

Laboratory and/or theoretical research on an individual basis on topics of current interest.

Prereq: 5700, or equiv; and permission of instructor. Repeatable to a maximum of 62 cr hrs or 10 completions. This course is graded S/U.

Spring 2026 Semester

8999 Research in Physics

G 1 - 15

Research for thesis or dissertation purposes only.

Prereq: Permission of instructor. Repeatable to a maximum of 26 cr hrs or 20 completions. This course is graded S/U.

Public Affairs, John Glenn College

PUBAFRS

Spring 2026 Semester

2150 The Nonprofit Sector and Civil Society

U 3

The nonprofit sector is an essential component of civil society where citizens establish organizations and associations to advance the public good. Through a combination of readings, writing, dialogic debates, and guest speakers, students understand and critically appraise the nature of nonprofit organizations in the maintenance of civil society.

GE theme citizenship for div and just wrld course.

Spring 2026 Semester

3220 Citizenship in the Age of AI: Law, Technology, and Social Justice

U 3

This course equips students with an in-depth understanding of civil liberties and rights during a time of swift technological transformation. We will explore what it means to be a citizen in the age of artificial intelligence and how technological transformations can either uphold or challenge core constitutional protections. Key focal points include surveillance, algorithmic bias, and free speech.
GE theme citizenship for div and just wrld course.

Public Health: Epidemiology

PUBHEPI

Summer 2026 Term

6430 Epidemiology I

G 3

Introduction to the nature and scope of epidemiology; survey of basic epidemiological methods and their application to selected acute and chronic health problems.

Components: LEC

Prereq: Enrollment in MPH, MS or PhD in Public Health; or permission of instructor.

Social Work

SOCWORK

Spring 2026 Semester

3597 Adolescent Sexual Health, Sexuality, and Parenthood: A Global Perspective

U 3

Campus: COL LMA
MNS MRN NWK WST

This course is designed to provide a broad understanding of the biological, psychosocial, and cultural forces that influence adolescent sexual health, sexuality, and family formation decisions. International comparisons will be emphasized with respect to teenage sexual trends and national policies and programs designed to control adolescent and young adult sexual adaptations and fertility.

GE cross-disciplinary seminar course. GE theme health and well-being course.

Spanish

SPANISH

Summer 2026 Term

3406 Intermediate Business Spanish

U 3

Enhances the ability to communicate effectively in the commercial language locally, in the U.S., and abroad. Provides a solid foundation of vocabulary and discourses used in Spanish in various professional contexts. Introduces students to fundamental economic, business, cultural, political and historical concepts for a deeper understanding of Spanish-speaking countries' roles in a global economy.
Prereq: 3403 or 3413; or permission of instructor.

Summer 2026 Term

4606 Advanced Business Spanish

U 3

This course develops business vocabulary & discourse in Spanish when working with companies that employ, serve, or market to Spanish-speaking populations / cultures; office and business management; human resources; marketing, and foreign market entry. Analysis of business and cultural readings from the Spanish-speaking world further develop vocabulary, geographic literacy & cultural understanding.
Prereq: 3403 or 3413; or permission of instructor.

Speech and Hearing Science

SPHHRNG

Spring 2026 Semester

6725 Language Disorders in Early Childhood

G 3

Development of language in children with an emphasis on the interaction between the development of language and cognition with implications for delay. The emphasis is on children aged zero to five years.

Prereq: Grad standing; or permission of instructor.

Statistics

STAT

Spring 2026 Semester**3301 Statistical Modeling for Discovery I****U 3**

Statistical models for data analysis in the linear regression framework. The challenges of developing meaningful models for data are explored, with emphasis on the model building process, the use of numerical and graphical diagnostics for assessing model fit, and interpretation and communication of results. Statistical foundations are introduced along with basic inferential techniques.

Prereq: C- or above in 3202; or 4202 and 5732; or permission of instructor. Prereq or concur: Math 2568; or permission of instructor.

Theatre**THEATRE****Spring 2026 Semester****5502 Costume Draping & Patterning****U G 3**

This is a practical course designed to allow the student to learn to manipulate fabric over a form to create a pattern. Basic contemporary forms are emphasized, with final projects focusing on 20th century period garments.

Prereq: Enrollment in the MFA in Theatre (Design) program; or permission of instructor.

Welding Engineering**WELDENG****Spring 2026 Semester****4602 Welding Procedure Development and Qualification****U 3**

This course is an introduction to developing and qualifying weld procedures and personnel to welding codes and standards (e.g., AWS B2.1). Hands on welding is required to qualify welding procedure specifications through weld testing for producing procedure qualification records. Weld inspection and acceptance criteria are also explored on how they affect weld design based on welding codes.

Prereq: 2001; and enrollment in the WeldEng-BS major; or permission of instructor.



Council on Academic Affairs Approval

New Program	Proposed By	Status	Date Approved	11/19/2025
Advance Standing International Dentist Track to the DDS Program	College of Dentistry	Approved by CAA		
		No additional approval necessary		

New Program	Proposed By	Status	Date Approved	11/19/2025
Computer Science Endorsement 5b Certificate	Department of Educational Studies	Approved by CAA		
		No additional approval necessary		

New Program	Proposed By	Status	Date Approved	11/19/2025
Artificial Intelligence Language and Mind Certificate (categories 1a, 1b, and 2)	Department of Linguistics	Approved by CAA		
		No additional approval necessary		