

February 2026

Course Number Change

Aerospace Engineering

AEROENG**Autumn 2026 Semester****5752.01** **Advanced Space Propulsion***Previous Number: 5752***U G** **3**

Analysis of different propulsion techniques for access to space and inter-planetary flight: liquid, solid, hybrid, nuclear and electric. Emphasizes fundamentals based on physics and mathematics.

Prereq: 4550; or permission of instructor. Not open to students with credit for 5752.02; or to students enrolled in the Professional Master in Applied Aeronautics Program (PMAA).

Arts and Sciences

ARTSSCI**Summer 2026 Term****1191.01** **Non-Credit Internship***Previous Number: 1191***U** **0**

Internship conducted under the supervision of the employer; enrollment and evaluation coordinated by ASC Career Services. Student is responsible for finding the internship prior to the start of the term. Requires permission to enroll.

Prereq: GPA 2.0 or above. Repeatable to a maximum of 4 completions. This course is graded S/U.

Atmospheric Sciences

ATMOSSC**Autumn 2026 Semester****5501** **Atmospheric Thermodynamics***Previous Number: 5950***U G** **3**

An analysis of the fundamentals of atmospheric thermodynamics and their application to meteorological problems.

Prereq: A grade of C- or above in 5201, Math 1152, and Physics 1250. Not open to students with credit for 5950.

Autumn 2026 Semester**5601** **Dynamic Meteorology I***Previous Number: 5951***U G** **3**

Fundamental problems in dynamic meteorology; components of the equations of atmospheric motion are derived, and vorticity and divergence in the development of meteorological systems.

Prereq: A grade of C- or above in 5501, Math 2153 and Physics 1250. Not open to students with credit for 5951.

Autumn 2026 Semester**5602** **Dynamic Meteorology II***Previous Number: 5952***U G** **3**

Advanced problems in dynamic meteorology; use of the equations of motion in numerical models of the atmosphere, especially those used by the National Weather Service.

Prereq: A grade of C- or above in 5601; and Math 2255 or 2174. Not open to students with credit for 5952.

French

FRENCH

Summer 2026 Term
2803.02 Global May Paris

U 3

Previous Number:
1803.03
Campus: COL LMA
MNS MRN NWK WST

This course treats the cultural history of the city of Paris and takes places on a study abroad trip to Paris in May. Students must apply to participate six months prior to departure. Taught in English. GEN Lived Environments theme course.
Prereq: Not open to students with credit for 1803.01, 1803.03 or 2803.01. GE theme lived environments course.

Korean

KOREAN

Summer 2026 Term

5101.01 Level Four Korean I

U G 3

Level Four Korean; development of integrated language skills at an advanced level, formal and informal communication, and discussion of contemporary social issues.

Prereq: 4102 or equivalent; or permission of instructor. Not open to students with credit for 5101, 5101.51 or 5101.61.

Previous Number: 5101

Summer 2026 Term

5102.01 Level Four Korean II

U G 3

Continuation of 5101, level Four Korean; development of integrated language skills at an advanced level, formal and informal communication, and discussion of contemporary social issues.

Prereq: 5101 or equivalent; or permission of instructor. Not open to students with credit for 5102, 5102.51, or 5102.61.

Previous Number: 5102

Pharmacy

PHR

Autumn 2026 Semester

3430S Quest for the Cancer Cure

U 4

In this course we will discuss the ongoing quest for a cure for cancer, including recent investigations in how cancer is treated, prevented and detected in collaboration with Pelotonia: a local philanthropic organization with the mission to improve health outcomes in cancer patients by mobilizing the community of cancer patients, caregivers, and advocates to fundraise for cancer research.

Prereq: Biology 1113 or equivalent. GE theme health and well-being course. High-Impact Practice Service Learning.

Previous Number: 3430

Campus: COL LMA
MNS MRN NWK WST

Course Subject Change

Atmospheric Sciences

ATMOSSC

Autumn 2026 Semester

5201 Weather Observations, Analysis and Forecasting

U G 2

Introduction to observations, forecasting, and analysis of the atmosphere including weather maps, radar, and satellite, introductory numerical weather prediction models, and synthesis of data from a variety of sources.

Prereq: A grade of C- or above in Geog 1900 or 5900. Not open to students with credit for Geog 5940 or AtmosSc 5940.

Previous Subject: GEOG

Autumn 2026 Semester

5202 Synoptic Meteorology

U G 3

Introduction to fundamental atmospheric forces and equations and their conceptual interpretation, quasi-geostrophic theory, and application to the development, evolution, and prediction of large-scale atmospheric systems including midlatitude cyclones, frontal development and positive feedback loops with the upper atmosphere.

Prereq: A grade of C- or above in 5201, Math 1151 and Physics 1250. Not open to students with credit Geog 5941.

Previous Subject: GEOG

Autumn 2026 Semester

Previous Subject: GEOG

5203 Mesoscale Meteorology

U G 3

Study of regional and local atmospheric processes that influence a wide range of atmospheric phenomena including localized winter weather, atmospheric stability, the low-level jet, the dryline, and convective storms, with an emphasis on dynamics and prediction. A review of tools needed for analysis such as Skew-T's, hodographs, and radar is included.

Prereq: A grade of C- or above in 5202. Not open to students with credit for Geog 5942.

Autumn 2026 Semester

Previous Subject: GEOG

5301 Boundary Layer Meteorology

U G 3

Fundamentals of surface-atmosphere interactions. Focus on radiation, turbulent heat, moisture, and momentum fluxes, and subsurface conductive fluxes.

Prereq: A grade of C- or above in 5201 and Math 1151. Not open to students with credit for Geog 5921.

Autumn 2026 Semester

Previous Subject: GEOG

5302 Measurements in Atmospheric Sciences

U G 3

Practical experience with fabrication and deployment of instruments systems in the field, and measurement of atmospheric conditions.

Prereq: A grade of C- or above in 5301. Not open to students with credit for Geog 5922.

New Course

Accounting and Management Information Systems

ACCTMIS

Summer 2026 Term

7690 Washington Campus

G 1½

Week-long program in Washington DC on public policy. Presentations by policy-makers, trips to agencies, and participation in congressional simulation.

Prereq: Enrolled in the MAcc program; and permission of instructor. This course is graded S/U.

Aerospace Engineering

AEROENG

Autumn 2026 Semester

5752.02 Advanced Space Propulsion

U G 3

Analysis of different propulsion techniques for access to space and inter-planetary flight: liquid, solid, hybrid, nuclear and electric. Emphasizes fundamentals based on physics and mathematics.

Prereq: Enrollment in the Professional Master in Applied Aeronautics program (PMAA). Not open to student with credit for 5752.01.

African American and African Studies

AFAMAST

Autumn 2026 Semester

3354 Hip Hop Sampling and Beat Making I

U 3

An introduction to the art and practice of creating beats that explores the history, artistic, and sociocultural significance of beats and beat-making in the hip hop music tradition. Students will study beat creators, creative technologies, source materials, and the artistic and social role of the DJ. This course is an elective option for the Music BS, Creative Practice track.

Prereq: Not open to students with credit for Music 3354. Cross-listed in Music.

Autumn 2026 Semester

3355 Hip Hop Sampling and Beat Making II

U 3

This course will advance each student's skills for beat making and is a continuation of the skills learned in AFAMAST/MUSIC 3354. Students will further develop their skills of beat making and production focusing on the intricate details of their craft (i.e. DAW, sequence & song structure, and mixing and mastering techniques).

Prereq: 3354 or Music 3354. Not open to students with credit for Music 3355. Cross-listed in Music.

Autumn 2026 Semester

3460 Digging in the Crates as Archival Research

U 3

This course provides a critical introduction to qualitative & cultural research methods within the field of African American & African Studies. It will focus specifically on Hip Hop culture, situating it within the larger context of African American Black music traditions. Students will explore research intent, design, methodology, format, & presentation through a Hip Hop lens.

Summer 2026 Term

3886 Urban Sounds, Urban Locales: Music and Environmental Knowledge

U 3

In this course, we will center lived environments and Black lived experience as understood through sound and music to interrogate meanings of so called "urban" music - a moniker often used to describe hip hop/rap, R&B, and other Black genres - in different geographical spaces.

Prereq: Not open to students with credit for CompStd 3886. GE theme lived environments course. Cross-listed in CompStd.

Autumn 2026 Semester

4343 African American Religions

U 3

This course examines history & variety of religious expressions, behaviors, & worldviews created by descendants of Africans brought to America as chattel slaves. From slavery to the present, the role of religion to respond to racialization & the hierarchies it involves - to contest or accept, reimaging or reframe "race" & "blackness" - will be the concern of this class.

Prereq: Not open to students with credit for RelStds 4343. GE theme traditions, cultures, and transformations course. Cross-listed in RelStds.

Autumn 2026 Semester

4620 Race, Policing, and the American City

U 3

"Race, Policing, & the American City" is a reading-& discussion-intensive seminar on race & the criminal punishment system in the US from 1890 to the present. Based on its "Citizenship for a Just & Diverse World" thematic designation, this course explores how various groups theorize, practice, & advance different - perhaps even divergent - visions of citizenship.

GE theme citizenship for div and just wrld course.

Arts and Sciences

ARTSSCI

Summer 2026 Term

1191.02 For-Credit Internship

U 1 - 3

Internship held as an undergraduate for credit.

Prereq: Permission of instructor. Repeatable to a maximum of 15 cr hrs or 6 completions.

Biology

BIOLOGY

Summer 2026 Term

1870 Biology of Sex

U 2

A foundational exploration of the evolution and maintenance of sexual reproduction across species, including sexual selection, mating systems, and reproductive strategies.

Prereq: Not open to students with credit for 3870.

Summer 2026 Term

3120 Biology Research Laboratory Techniques: Genetic Engineering

U 1

Introduces students to modern laboratory techniques for future career opportunities. Students will perform a series of experiments involving gene editing and DNA processing and data analysis linked with a focused research question. Through weekly laboratory sessions, students will produce a portfolio demonstrating mastery of course objectives through lab notebooks and video skill documentation.

Prereq: 1112, 1113.xx, 1113E, or 1113H; and 1114.xx, 1114E or 1114H; or permission of instructor.

Autumn 2026 Semester**3730 Humans vs Germs: An Arms Race between Medicine and Evolution****U 3**

An evolutionary analysis of human health through the lens of our coevolution with pathogens and the rise of biotechnology as a tool for manipulating how evolution affects both pathogens and the human condition.
 Prereq: 1101 or 1110; or 1112, 1113.xx, 1113H or 1113E and 1114.xx, 1114H or 1114E. GE theme origins and evolution course.

Summer 2026 Term**3870 Evolution of Sex****U 3**

An exploration of biological evolution of sex across species, including mechanisms of reproduction, sexual selection, and reproductive strategies in various environmental conditions.
 Prereq: 1101 or 1110; or 1112, 1113.xx, 1113H or 1113E and 1114.xx, 1114H or 1114E. GE theme origins and evolution course.

Biomedical Informatics	BMI
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Summer 2026 Term**5556 Human-Centered Design of AI in Healthcare****U G 3**

Human-centered artificial intelligence (HCAI) prioritizes human needs, values, and well-being in artificial intelligence (AI) development to enhance human experience, empower humans, and facilitate human-AI collaboration. The course provides training in the principles and practices of designing AI systems with a focus on human goals, needs, and experiences, within the context of healthcare.

Business Admin	BUSADM
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Autumn 2026 Semester**4510.02 Entrepreneurship Practicum: StartupLab Validate****U 3**

A hands-on environment to explore and advance business ideas through real-world discovery and evidence-based learning. Students test assumptions, engage directly with potential customers, and learn to identify meaningful problems and high-impact market opportunities.

Autumn 2026 Semester**4510.03 Entrepreneurship Practicum: StartupLab Build****U 3**

Build expands on validated ideas, guiding students as they transform customer insights into scalable business models and go-to-market strategies. Students work on their own ventures, strengthen team dynamics, engage mentors, and develop marketing, operational, and funding plans to prepare for launch.

Autumn 2026 Semester**4510.04 Entrepreneurship Practicum: StartupLab Scale****U 3**

An independent, mentor-guided environment for student founders to accelerate their ventures beyond the classroom. Students focus on execution, including advancing customer acquisition, refining their business model, scaling operations, and preparing for funding and market launch.

Autumn 2026 Semester**4510.05 Entrepreneurship Practicum: Business Basics for the Buckeye Founder****U 1**

Designed to introduce students to the practical realities of starting and growing a business through direct engagement with experienced entrepreneurs, operators, and startup leaders.
 Repeatable to a maximum of 3 cr hrs.

Civics, Law, and Leadership	CIVICLL
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Summer 2026 Term

2420 The Evolution of Citizenship in America, 1775-1920

U 3

This course surveys the evolution of citizenship in the United States from the Revolutionary War through the ratification of the 19th Amendment. Students consider how individuals and groups outside positions of formal political power worked to expand or restrict who could claim citizenship, with special attention to the relationship between constitutional law and civil society.

Autumn 2026 Semester

3420 State Constitutional Law

U 3

This course introduces students to state constitutions and state courts as sources of legal authority, political conflict, and civic identity. State constitutional law offers an essential but often overlooked window onto topics including: constitutional interpretation; constitutional amendment; judicial appointments; federalism; popular sovereignty, and the protection of individual rights.

Autumn 2026 Semester

3430 Law and Economics

U 3

This course introduces students to the interdisciplinary field of Law and Economics, which uses the economic way of thinking to develop an understanding of the law and the Anglo-American legal system. The course explores core topics in law (e.g. property, contracts, torts, crime), broader issues related to the judicial and legislative process, and constitutional political economy.
Prereq: Econ 2001.01 or 2001.03H.

Autumn 2026 Semester

3550 Presidential Crises in War and Peace

U 3

This course surveys crises that have defined American presidential leadership. Students are introduced to the dual perspectives of the policymaker and the historian, using both as tools to understand how and why presidents have made deeply challenging decisions. Students will learn how citizens can fairly evaluate the decisions of leaders operating under conditions of complexity and uncertainty.

Autumn 2026 Semester

3580 Dietrich Bonhoeffer: Leadership and Discipleship

U 3

This course examines the life and legacy of Dietrich Bonhoeffer - theologian, pastor, resistance figure against the Nazi regime - through his writings, such as Discipleship, Life Together, and Ethics, alongside historical sources and scholarship. By situating Bonhoeffer within his context and the American cultural imagination, students will analyze how religious informs responsible leadership.

Classics

CLAS

Autumn 2026 Semester

3213H Slavery in the Ancient World

U 3

Study of slavery as an institution and ideology of ancient Greece and Rome, including its importance in the ancient family, economy, and culture.

Prereq or concur: Honors standing; or permission of instructor. Not open to students with credit for History 3213, 3213H, Clas 3213 or 3202. GE cultures and ideas and historical study course. GE theme citizenship for div and just wrld course. Cross-listed in History.

Autumn 2026 Semester

4401 Gaming the Past: Role Playing Political Crisis in Greece and Rome

U 3

Study key Greco-Roman political crises before role-playing historical debates to chart a path forward. How should Athens rebuild after total military defeat - oligarchy or democracy? Expand or limit citizenship? What should Rome do the day after the assassination of Julius Caesar? Are his killers heroes or criminals? Should the Senate reassert itself or is autocracy more efficient and attractive?

GE theme citizenship for div and just wrld course.

Computing Education

COMPEDU

Autumn 2026 Semester**2100 Prompting for Possibility: Everyday Generative AI****U 3**

Students will learn the best practices for creating effective prompts, explore different prompt development techniques, and gain hands-on experience with commonly used tools in prompt development for generative AI. Prereq: Not open to students who have credit for CSE 1222, 1223, 1224, 2221 or Engr 1281.xx.

Autumn 2026 Semester**2300 Your Field, Your Data: Python Foundations****U 3**

Intro to Python for beginners: learn data types, control structures, functions, and libraries through hands-on projects in business, health, arts, and science. Build problem-solving skills, creativity, and a portfolio of real-world applications. Students will have projects that reflect their disciplinary perspectives and unique viewpoints. No prior experience is required. Prereq: Not open to students with credit for CSE 1222, 1223, 1224, 2221 or Engr 1281..xx.

Comparative Studies**COMPSTD****Summer 2026 Term****3886 Urban Sounds, Urban Locales: Music and Environmental Knowledge****U 3**

In this course, we will center lived environments and Black lived experience as understood through sound and music to interrogate meanings of so called "urban" music - a moniker often used to describe hip hop/rap, R&B, and other Black genres - in different geographical spaces. Prereq: Not open to students with credit for AfAmASt 3886. GE theme lived environments course. Cross-listed in AfAmASt.

Summer 2026 Term**4456 Lived Infrastructures: A Field School in Lisbon****U 3**

This interdisciplinary field school explores the social and political life of infrastructure in postcolonial Lisbon. Students will investigate how the built environment shapes and is shaped by lived experiences of race, gender, class, disability, and migration and their deep histories. 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 lived environments course.

Design**DESIGN****Autumn 2026 Semester****4503 AI AND GENERATIVE DESIGN MEDIA LITERACY****U 3**

This course explores the creative potential of artificial intelligence in art and design while fostering new forms of informational literacy in the age of generative media. Students will critically and practically engage with AI as both a design tool and cultural phenomenon through project-based learning.

Earth Science**EARTHSC****Autumn 2026 Semester****2797 Study at a Foreign Institution****U 1 - 10**

An opportunity for students to study at a foreign institution and receive Ohio State credit for that work. Repeatable to a maximum of 30 cr hrs or 10 completions.

Autumn 2026 Semester**5797.05 Study at a Foreign Institution****U G 1 - 10**

An opportunity for students to study at a foreign institution and receive Ohio State credit for that work. Prereq: Permission of Associate Director for Administration. Repeatable to a maximum of 30 cr hrs or 10 completions.

Evolution, Ecology and Organismal Biology**EEOB**

Autumn 2026 Semester**7010 Principles of Evolution****G 3**

A discussion-based course focusing on classic and current literature in evolutionary biology.

Autumn 2026 Semester**7020 Principles of Ecology****G 3**

A discussion-based course focusing on primary classic and current literature in ecology.

Engineering**ENGR****Summer 2026 Term****5797.28 Aviation and Aerospace on Location: Inside the World's Leading Airshows****U G 3**

This immersive course provides students with a firsthand look at the international aviation and aerospace industry. Through site visits to leading aerospace companies, aviation hubs, and cultural landmarks, participants will gain a deeper understanding of global aviation operations, innovation, and policy. A highlight of the program includes attending premier industry trade shows. Repeatable to a maximum of 9 cr hrs.

Environment and Natural Resources**ENR****Autumn 2026 Semester****5500 Diffusion of Innovations****U G 3**

Examine the sociological processes involved in disseminating new ideas and technologies in U.S. and developing nations. Assess the consequences of new technologies for communities, households, and individuals particularly in rural contexts.

Prereq: Not open to students with credit for RurlSoc 5500. Cross-listed in RurlSoc.

Film Studies**FILMSTD****Autumn 2026 Semester****4660 Global Queer Film****U 3**

How have narrative cinema and experimental film functioned as technologies of sexuality and gender? This question will be central to the course as we contextualize how filmmakers from across the world have used the aesthetic potential of film, and its distribution, to orient queer experience and articulate queer identities within specific historical and socio-political conditions.

Prereq: 2270 or 2271; or permission of instructor.

Geography**GEOG****Autumn 2026 Semester****6229 Artificial Intelligence and Machine Learning for Geospatial Data Science****G 3**

AI/ML methods and applications using geospatial data through hands-on programming exercises.

Prereq: 5222; or permission of instructor.

History of Art**HISTART****Autumn 2026 Semester****8905 Studies in Art and Technology****G 4**

Intensive studies of specific movements, artists, periods and theories surrounding art and technology.

Korean**KOREAN**

Summer 2026 Term**5101.51 Level Four Korean I: Individualized Instruction (In-person)****U G 1 - 3**

As a continuation of third year Korean, this course is designed for advanced-level learners of Korean. By watching and discussing Korean films, news articles, short stories and TV series, this course aims to improve students' fluency and accuracy in speaking and writing as well as listening and reading.

Prereq: 4102.01, 5 cr hrs of 4102.51, or 5 cr hrs of 4102.61. Not open to students with credit for 5101, 5101.01, or 5101.61.

Summer 2026 Term**5101.61 Level Four Korean I: Individualized Instruction (Distance)****U G 1 - 3**

As a continuation of third year Korean, this course is designed for advanced-level learners of Korean. By watching and discussing Korean films, news articles, short stories and TV series, this course aims to improve students' fluency and accuracy in speaking and writing as well as listening and reading.

Prereq: 4102.01, 5 cr hrs of 4102.51, or 5 cr hrs of 4102.61. Not open to students with credit for 5101, 5101.01, or 5101.51.

Summer 2026 Term**5102.51 Level Four Korean II: Individualized Instruction (In-Person)****U G 1 - 3**

As a continuation of third year Korean, this course is designed for advanced-level learners of Korean. By watching and discussing Korean films, news articles, short stories and TV series, this course aims to improve students' fluency and accuracy in speaking and writing as well as listening and reading.

Prereq: 5101.01, 3 cr hrs of 5101.51, or 3 cr hrs of 5101.61. Not open to students with credit for 5102, 5102.01, or 5102.61.

Summer 2026 Term**5102.61 Level Four Korean II: Individualized Instruction (Distance)****U G 1 - 3**

As a continuation of third year Korean, this course is designed for advanced-level learners of Korean. By watching and discussing Korean films, news articles, short stories and TV series, this course aims to improve students' fluency and accuracy in speaking and writing as well as listening and reading.

Prereq: 5101.01, 3 cr hrs of 5101.51, or 3 cr hrs of 5101.61. Not open to students with credit for 5102, 5102.01, or 5102.51.

Law**LAW****Autumn 2026 Semester****7095 Fundamentals of Mediation****L 1**

This course introduces the fundamentals of mediation.

Prereq: Not open to students with credit for 7100 or 8189.07.

Linguistics**LING****Autumn 2026 Semester****5194 Group Studies****U G 1 - 3**

Study of topics not regularly scheduled for seminars in linguistics, under the direction of a faculty member.

Repeatable to a maximum of 16 cr hrs or 8 completions.

Mechanical Engineering**MECHENG****Autumn 2026 Semester****6168 Finite Element Analysis Concepts & Numerical Foundations****G 3**

This course introduces the Finite Element Method (FEM) for solid mechanics with a focus on practical implementation. Students learn theory, formulation, and modeling essentials, including elasticity, weak forms, shape functions, mesh generation, constraints, integration, solver strategies, error estimation, and advanced topics for multiphysics and nonlinear applications.

Prereq: Grad standing in engineering; or permission of instructor.

Microbiology

MICRBIO

Autumn 2026 Semester**4891 Progress in Biotechnology****U 1**

Students will gain insight into real-world applied molecular sciences and biotechnology research through seminars presented by industry scientists; bi-weekly discussions will facilitate understanding of core research principles presented in seminars through shared reflection and discussion of research articles relevant to seminars.

Prereq: C- or above in 4100; or Biochem 4511 or 5613; or Phr 3200; or permission of instructor.

Music

MUSIC

Autumn 2026 Semester**8828 Advanced Topics in Popular Music Analysis****G 3**

This course is a graduate seminar in music theory that discusses scholarship on the analysis of popular music (broadly construed).

Prereq: Grad standing.

Near Eastern Languages and Cultures

NELC

Autumn 2026 Semester**4900 NESACapstone****U 3**

This course is designed to help students hone their critical thinking, research, writing, and oral communication skills, from analyzing difficult research materials to polishing their arguments to sharing their conclusions. They will also learn how artificial intelligence impacts the study and research of the languages and cultures of the Ancient Near East, Modern Middle East, and South Asia.

Prereq: Jr or Sr standing; and enrolled in NESACapstone major or minor program; or permission of instructor.

Pharmacy

PHR

Autumn 2026 Semester**3110 Drugs, Data, and Discourse****U 3**

Developing strong writing and communication skills is necessary for success in every field. In this course, we will build advanced writing and research skills through the lens of pharmaceutical sciences. Students will engage in research and inquiry in topics related to pharmacology, analyze ethical and societal implications of pharmaceutical issues, and produce professional scholarly texts.

Prereq: English 1110.xx or GE foundation writing and info literacy course.

Political Science

POLITSC

Autumn 2026 Semester**1166 Introduction to Civics and Politics****U 3**

Explores ways citizens can interact with the political systems that govern them through examination of seminal texts and discussions about the nature of the economic and social institutions that drive the economy, structure our free market competition, and define our particular form of capitalism.

Prereq: Not open to students with credit for 1165. GE foundation social and behavioral sci course.

Summer 2026 Term**3620 Big Data, AI, and the State: How Modern Information Technology Reshapes Citizenship****U 3**

The course unpacks the various ways in which states collect information about their citizens, use this information in their decision-making, and associated political conflicts. Focus on how different types of political regimes make different choices about how citizens' information is collected, used, and how civil society responds.

GE theme citizenship for div and just wrld course.

Autumn 2026 Semester**4322H Honors Psychology of War and Peace****U 3**

Examines how states pursue a range of security goals in international politics and why states sometimes succeed but other times fail to cooperate.

Prereq: Honors standing; or permission of instructor. Not open to students with credit for 4322.

Psychology**PSYCH****Autumn 2026 Semester****6875 Social Affective Neuroscience****G 3**

This course takes a systems neuroscience approach to understand how the brain represents psychological constructs such as valence and arousal, emotions, social threat and affiliation, empathy, morality, and self and other representation. We will explore the development of these systems over the lifespan and how they are shaped by the social environment.

Public Health**PUBHLTH****Summer 2026 Term****4191 Capstone Internship in Public Health****U 2**

Capstone internship with a public health agency or related site for supervised practice experience. In this capstone course, students integrate classroom experiences and principles with applied practice experience.

Prereq: 3180 or 3180E; and enrollment in public health major; and Jr or Sr standing; or permission of instructor.

This course is graded S/U. Cross listed in PubHlth 4998.

Radiologic Sciences and Therapy**RADSCI****Summer 2026 Term****3730 Fundamentals of Echocardiography and Cardiac Anatomy****U 4**

Radiologic Sciences and Therapy 3730 is a course designed for Diagnostic Medical Sonography students studying Adult Echocardiography. Students will demonstrate comprehensive knowledge of the heart anatomy, embryology, physiology, pathophysiology, and echocardiographic appearances to accurately assess and perform echocardiograms for quality patient care.

Religious Studies**RELSTDS****Autumn 2026 Semester****4343 African American Religions****U 3**

This course examines history & variety of religious expressions, behaviors, & worldviews created by descendants of Africans brought to America as chattel slaves. From slavery to the present, the role of religion to respond to racialization & the hierarchies it involves - to contest or accept, reimagining or reframe "race" & "blackness" - will be the concern of this class.

Prereq: Not open to students with credit for AfAmAST 4343. GE theme traditions, cultures, and transformations course. Cross-listed in AfAmAST.

Russian**RUSSIAN****Summer 2026 Term****3106 Russian with AI: Mastery Through Technology****U 3**

Development of Russian oral and written communication skills and fluency in the use of AI tools for natural language processing, covering texts and audiovisual materials on topics in contemporary culture; focus on presentation skills and reading fluency with specialized vocabulary on the intermediate-high to advanced level.

Prereq: 2104.01, 2104.51 or 2104.61.

Social Work**SOCWORK**

Autumn 2026 Semester**7632 Child and Youth Serving Systems: Policy, Practice, and Advocacy****G 3**

Provides a comprehensive analysis of the social policies that shape the well-being of children, youth, and their families in the United States. Examines both the historical evolution and the current political context of these policies, encouraging students to understand how past decisions influence present-day systems.
Prereq: 6201; or Advanced Standing Alternative Plan (ASAP) students.

Remove from Limbo

Biomedical Informatics**BMI****Summer 2026 Term****8040.01 Special Topics in BMI: Clinical and Translational Informatics****G 1 - 5**

This is an advanced discussion-based seminar exploring new methods, technologies, and research in clinical and translational informatics.

Prereq: Grad standing in a master, doctoral, or professional program; and permission of the instructor.

Repeatable to a maximum of 27 ch hrs or 9 completions.

Summer 2026 Term**8050.01 Special Topics in BMI: Data Science****G 1 - 5**

This is an advanced discussion-based seminar exploring new methods, technologies, and research in biomedical data analytics and data science.

Prereq: Graduate standing in a master, doctoral, or professional program; and permission of the instructor.

Repeatable to a maximum of 27 cr hrs or 9 completions.

Autumn 2026 Semester**8140 Measuring patient experience and preferences****G 3**

This course will cover theory and concepts of empirical tools to describe disease burden, health state utilities, patient reported outcomes, patient experience, and patient preferences, important policy contexts that govern the study of patient preferences (e.g. regulatory, pricing/reimbursement) and good research practice documents that guide empirical studies of the patient experience.

Civil Engineering**CIVILEN****Autumn 2026 Semester****5310 Matrix Structural Analysis****U G 3**

Analysis of frame structures by force and displacement methods using matrices.

Prereq: 4310 (531). Not open to students with credit for 735.

Engineering**ENGR****Summer 2026 Term****1259 Fundamentals of Academic Success for Engineering Students****U 3**

Teaches time management and study skills to promote academic success. Students learn study skills and practice time management in relation to their engineering coursework.

Prereq: Enrollment in the College of Engineering.

History**HISTORY****Autumn 2026 Semester****7250 Studies in 19th Century European History****G 1 - 6**

Readings in 19th Century European History.

Prereq: Grad standing. Repeatable to a maximum of 15 cr hrs or 5 completions.

Update Course

Advanced Computing Center for the Arts and Design

ACCAD

Summer 2026 Term

5191 **ACCAD Internship**

U G **½ - 3**

A collaborative internship assignment conducted under the supervision of a faculty member.
Prereq: Permission of instructor. Repeatable to a maximum of 9 cr hrs or 3 completions. This course is graded S/U.

Components: FLD

Summer 2026 Term

6003 **Computer Game Design II**

G **3**

Computer Game Design II synthesizes prior game design knowledge to pitch and create games that balance experimentation with feasibility. Through collaboration, playtesting and iteration, students should expect to engage in group activities at a high level of efficiency to produce innovative games that are both experimental and refined.

Prereq: Grad standing; and permission of instructor. Repeatable to a maximum of 9 cr hrs.

Aerospace Engineering

AEROENG

Autumn 2026 Semester

3522 **Fundamental Astronautics**

U **3**

This course will present a conceptual understanding of different types of orbits in space that arise under the laws of gravitational motion, basics of preliminary orbit determination, design of maneuvers among orbits of different types, a preliminary understanding of perturbations in space, preliminary space propulsion and the patched conics approach for interplanetary mission design.

Prereq: 3520; and enrollment as AeroEng-BS student. Concur: 2405.

Autumn 2026 Semester

5612.01 **Aircraft Performance and Flight Test Engineering**

U G **3**

Determination of the performance, stability, controllability, and handling qualities of general aviation aircraft through analysis and flight tests.

Prereq: 3520 and 3570; or Grad standing in mechanical or aerospace engineering; or permission of instructor. Not open to students in the PMAPAE-MAA program or with credit for 5612.02.

Autumn 2026 Semester

6193.02 **Intermediate Individual Studies in Aerospace Engineering**

G **1 - 6**

Planned individual study at the intermediate graduate level under faculty supervision, allowing students to broaden knowledge or skills in specialized topics not available in regular coursework.

Prereq: Permission of instructor. Repeatable to a maximum of 15 cr hrs or 15 completions. This course is graded S/U.

Autumn 2026 Semester

8193.02 **Advanced Individual Studies in Aerospace Engineering**

G **1 - 6**

Planned individual study at the advanced graduate level under faculty supervision, allowing students to broaden knowledge or skills in specialized topics not available in regular coursework.

Prereq: Permission of instructor. Repeatable to a maximum of 15 cr hrs or 15 completions. This course is graded S/U.

Anthropology

ANTHROP

Autumn 2026 Semester**5515 Careers for Wicked Scientists****U G 1**

The goal of this workshop is for students to develop their transdisciplinary skills through participation in an ongoing project that tackles wicked problems in the metropolitan area of Columbus. This course is graded S/U.

Autumn 2026 Semester**5607 Human Osteology****U G 3**

Human osteology is the study of the human skeleton. This course serves as an intensive examination of the human skeleton as well as commonly encountered nonhuman skeletal elements. Students are expected to learn how to identify and side complete and fragmentary skeletal elements using bony morphology, features, and landmarks.

Prereq: 2200 or 2200H; or permission of instructor.

Art**ART****Autumn 2026 Semester****3001 Internet Art****U 3**

Students learn introductory programming skills to integrate image, video, animation, and audio for the creation of internet art. Techniques, concepts, and aesthetics of network culture are practiced, such as tactical media, virality, remixing, and identity construction.

Autumn 2026 Semester**3101 3D Modeling Sculpture****U 3**

Students learn, practice, and utilize 3D modeling software for generation of form, character, and environment. Includes conceptualization, development, and creation of digital assets for output to formats such as digital prints, game art assets, 3D rapid prototyping, laser cutters and/or CNC mills.

Autumn 2026 Semester**4201 New Media Robotics****U 3**

Students learn component level electronics and programming languages on microcontrollers to create kinetic and interactive art. Digital control of objects, projections, and sound allow for responsive environments, wearables, and multimedia experiences.

Autumn 2026 Semester**4401 Computer Animation****U 3**

Students learn and practice the concepts, aesthetics and processes of 3D computer animation. Conceptualizing, producing and integrating 3D renders and sound, with awareness of cinematography and narrative, will culminate in the completion of computer animations.

Prereq: 3000 (2500), 3001, or 3101, or permission of instructor.

Atmospheric Sciences**ATMOSSC****Autumn 2026 Semester****5401 Practical Data Processing and Analysis for Atmospheric Sciences****U G 3**

Hands-on, skills-centric course on data processing and analysis for Atmospheric Science. Students will successfully distill large volumes of raw atmospheric science data, extract meaningful relationships from the distillate, diagnose what information is needed to solve problems, and communicate their processing and analysis techniques to other atmospheric scientists.

Prereq: A grade of C- or above in Geog 1900 or 5900.

Autumn 2026 Semester

5450 Introduction to Meteorological Radar Systems, Observations, and Techniques

U G 3

Radars remotely observe and monitor conditions in the atmosphere. This class will provide an overview of how radars are constructed, how they operate, the types of atmospheric phenomena they observe, radar characteristics and interpretation of radar data for various meteorological/atmospheric phenomena, and ways that radar data can be utilized operationally and for research purposes.

Prereq: A grade of C- or above in 5201, 5401 and Physics 1250.

Autumn 2026 Semester

5502 Physical Meteorology

U G 3

Introduce students to the fundamental principles underlying radiation physics, cloud physics and atmospheric chemistry. Student will understand underlying phase changes, radiation processes, and chemical reaction rates and how they influence weather.

Prereq: A grade of C- or above in 5501 or equivalent; and Math 2153. Not open to students with credit for 5951.

Autumn 2026 Semester

5701 Field Observations of Severe Convective Storms

U G 3

This off-campus, experiential learning field course allows students to directly observe deep, moist atmospheric convection (thunderstorms) and associated phenomena through a 10-day field trip to the U.S. Central Plains, including daily morning and evening weather forecast discussions, identifying radar-based storm characteristics, and use observations to determine likelihood of severe weather.

Prereq: A grade of C- or above in 5201; and permission of instructor.

Autumn 2026 Semester

5901 Climate System Modeling: Basics and Applications

U G 3

An examination of climate system modeling, including their component atmospheric, oceanic, sea ice and land surface models, and their coupling, and their applications.

Prereq: A grade of C- or above in Geog 1900 or 5900; and 4911.

Bosnian/Croatian/Serbian

BCS

Summer 2026 Term

1102 Elementary Bosnian/Croatian/Serbian II

U 4

Continued development of speaking, listening, reading, and writing skills in cultural context. Not open to native speakers of these languages through regular course enrollment or EM credit.

Prereq: 1101 or BCS Placement Level 8. This course is available for EM credit. GE for lang course. GE world languages course.

Summer 2026 Term

1103 Intermediate Bosnian/Croatian/Serbian I

U 4

Continued development of speaking, listening, reading, and writing skills in cultural context. Not open to native speakers of these languages through regular course enrollment or EM credit.

Prereq: 1102 or BCS Placement Level 7. This course is available for EM credit. GE for lang course. GE world languages course.

Summer 2026 Term

2104 Intermediate Bosnian/Croatian/Serbian II

U 4

Increasing functional ability in speaking, listening, reading, and writing practice, vocabulary-building; new grammar structures; start developing higher-level language skills in Bosnian/Croatian/Serbian. Not open to native speakers of this language through regular course enrollment or EM credit.

Prereq: 1103, BCS Placement Level 6, or BCS Seal of Bilinguality.

Biology

BIOLOGY

Summer 2026 Term

3401 Integrated Biology

U 4

A case studies approach is used to gain a better understanding of biological concepts and principles. This course is designed for biology majors.

Prereq: 1113, 1114, Chem 1220, and Math 1140, or 1148 and 1149, or 1150 or above; or permission of instructor. Not open to students with credit for 3501.xx.

Biomedical Engineering

BIOMEDE

Autumn 2026 Semester

4210 Biotransport

U 3

Covers key transport concepts in biomedical engineering. Emphasis is put on mass and momentum transport with applications related to biology, medical science and biotechnology.

Prereq: 2000; and Math 2174 or 2415; or permission of instructor.

Autumn 2026 Semester

4310 Biomaterials

U 3

Principles of materials science; biocompatibility and biological reactions to implanted materials; natural biomaterials and synthetic materials used in biological applications.

Prereq: 2000, 2200 or Biology 1114.xx; or permission of instructor.

Business Admin

BUSADM

Autumn 2026 Semester

3532 Entrepreneurship and Innovation: Corporate Entrepreneurship

U 3

Develop skills and understanding of theories and their application to develop new ideas and viable new businesses within an established firm. Address the development of an internal culture of innovation, processes for reviewing ideas and developing concepts, strategic analysis, positioning for competitive advantage, forms of corporate ventures, and the qualities of corporate entrepreneurs.

Prereq: BusMHR 3510.

Business Admin: Operations and Business Analytics

BUSOBA

Autumn 2026 Semester

4331 Tactics in Analytical Discovery

U 3

Understand how organizations can successfully collect, organize, manipulate, use and present data.

Prereq: Econ 2001.01; and 2002.01, or equiv; and CSE 2111, or equiv; and enrollment in Information Systems major; and Math 1131, or 1151 or equivalent. Not open to students with credit for 3331.

Summer 2026 Term

7241 Lean Enterprise Leadership

G 1½

Introduces the skills and discipline needed to lead and learn in a continuous improvement environment in a hands-on, participative manner. Students who complete the class can immediately contribute to an organization's efforts in continuous improvement, whose principles are used by many leading organizations in all sectors to outpace competitors year after year.

Prereq: Enrollment in MBA, WPMBA, MSCM, MHA, MPA, or MCRP program.

Chemical and Biomolecular Engineering

CBE

Autumn 2026 Semester

2200 Process Fundamentals

U 3

Application of physicochemical principles to problems of the chemical industry; stoichiometry and material balance.

Prereq: Math 1172 or 2153; and Prereq or Concur: Chem 1220 or 1920H; and Engr 1182 or 1282; and 2.0 CPHR or higher.

Autumn 2026 Semester**5715 Particle Technology****U G 3**

Engineering processes involving particulates and powders. Multiphase transport phenomena and fluidization are emphasized.

Prereq: 2523; or Grad Standing in Engr; or permission of instructor.

Chemistry**CHEM****Autumn 2026 Semester****6510 Quantum Mechanics and Spectroscopy****G 1½**

Introduction to the fundamentals of quantum mechanics with applications to chemical dynamics and spectroscopy.

Civics, Law, and Leadership**CIVICLL****Summer 2026 Term****2000 Can We Rule Ourselves?****U 3**

Effective self-government has been the historical exception rather than the rule. This course surveys the origins, institutions, achievements and failures of past efforts at self-government. Students will use both primary and secondary sources to gain a better understanding of how notions of citizenship and justice have varied across time, culture, and historical context.

GE theme citizenship for div and just wrld course.

Summer 2026 Term**2130 America's Foundational Debates****U 3**

This course surveys enduring debates within the American constitutional order. The course connects primary texts from the eras of the Founding and Reconstruction to subsequent debates regarding the construction of American law and society. Topics to be considered include the possibilities for constitutional amendment, and the constitutionality of college admissions policies.

GE theme citizenship for div and just wrld course.

*Campus: COL LMA
MNS MRN NWK WST*

Summer 2026 Term**2210 Freedom and Equality in American Literature****U 3**

This course examines the privileged role creative writing has had in defining the terms of American citizenship. Proceeds through close reading of key works of fiction, nonfiction, and poetry to examine how writers have sought to define freedom and equality, shaping and transforming the American understanding of these ideals.

GE theme citizenship for div and just wrld course.

*Campus: COL LMA
MNS MRN NWK WST*

Consumer Sciences: Consumer&Family Financial Servs**CSCFFS****Summer 2026 Term****3260 Fundamentals of Financial Planning****U 3**

This course provides an introduction to personal financial planning from the perspective of the financial planning professional. It is a required course in the seven-course Certified Financial Planner (CFP) sequence that qualifies students to sit for the CFP Exam.

Prereq: 2260 or 9 credit hours of BusFin courses at the 3000-level or higher.

Summer 2026 Term**5170 Financial Planning Software****U G 1**

This course prepares students for certification in two popular financial planning software packages: eMoney Fundamentals and Holistiplan 2.0. eMoney, with a 30% market share, is the top-rated comprehensive financial planning tool in the U.S. Holistiplan, also holding a 30% market share, is the highest-rated software for tax planning (no prior knowledge of financial planning/tax planning required).

This course is graded S/U.

Computer Science and Engineering

CSE

Autumn 2026 Semester

1110 Introduction to Computing Technology

U 3

This course of general interest provides fundamental computer literacy, interweaving important computer literacy concepts with introductory and intermediate Microsoft Office productivity software concepts. Computer literacy concepts include: computer hardware and software, computer networking, internet concepts, artificial intelligence, and computer ethics.

Prereq: Not open to students with credit for 1111 or 1113.

Consumer Sciences: Hospitality Management

CSHSPMG

Autumn 2026 Semester

2810 Hotel Management Practicum

U 2

Provide exposure to the lodging/hotel sector via experiences in Front of the House and Heart of the House in a real operating environment.

Autumn 2026 Semester

3730 Food Service Management Practicum

U 2

Application of customer service and restaurant management responsibilities in a real operating foodservice environment.

Dance

DANCE

Autumn 2026 Semester

3101 Contemporary Level I Part I

U 1 - 3

Foundational level of contemporary movement forms for dance majors.

Prereq: Enrollment in Dance major, or permission of instructor. Repeatable to a maximum of 6 cr hrs or 3 completions.

Autumn 2026 Semester

3102 Contemporary Level I Part II

U 1 - 3

Foundational level of contemporary movement forms for dance majors.

Prereq: Enrollment in Dance major or permission of instructor. Repeatable to a maximum of 6 cr hrs or 3 completions. VSP Admis Cond course.

Autumn 2026 Semester

4101 Contemporary Level II Part I

U 1 - 3

Further expertise in contemporary movement forms for dance majors.

Prereq: Enrollment in Dance major. Repeatable to a maximum of 16 cr hrs or 8 completions.

Autumn 2026 Semester

4102 Contemporary Level II Part II

U 1 - 3

Further expertise in contemporary movement forms for dance majors.

Prereq: Enrollment in Dance major. Repeatable to a maximum of 16 cr hrs or 8 completions.

Dentistry

DENT

Autumn 2026 Semester

6534.01 Restorative Dentistry 4

D 1

Diagnosis and treatment planning of intra-coronal restorations and facial veneers including principles of tooth preparation, fabrication of a provisional restoration and cementation of the final restoration. Additional topics include: CAD/CAM for dental restorations and treatment planning for diastemas.

Repeatable to a maximum of 3 cr hrs.

Autumn 2026 Semester**6534.02 Restorative Dentistry 4 Laboratory****D 1**

This laboratory course provides students with skills related to providing intra-coronal restorations and facial veneers. Laboratory exercises include tooth preparation, fabrication of a provisional and final cementation of the permanent restoration.

Repeatable to a maximum of 3 cr hrs.

Design**DESIGN****Autumn 2026 Semester****3105 Exploring Design Thinking****U 3***Campus: COL MRN*

An overview of concepts, processes and modes of identifying problems and proposing effective solutions from a design-oriented perspective.

Autumn 2026 Semester**3305 Visualization as Thinking****U 3***Campus: COL MRN*

An overview of concepts, processes and modes of communicating with visual media to effectively generate design proposals.

Electrical and Computer Engineering**ECE****Autumn 2026 Semester****5307 Introduction to Machine Learning for ECE****U G 4**

Introduction to Machine Learning. Coverage includes linear regression, linear classification, model and feature selection, neural networks, clustering, and principle components analysis. Python will be used for implementation examples.

Prereq: CSE 1222 or Engr 1281.xx; and Math 2568 and Stat 3470; and enrollment in ECE major; or Grad standing in ECE. Not open to students with credit for 4194.02 (Sp19, Machine Learning), 4300, 5300, or MechEng 5194 (Au19, Applied ML for MAE).

Autumn 2026 Semester**5550 Feedback Control for Humanitarian Engineering****U G 3**

Models of individual and group poverty and underdevelopment; computational humanitarian engineering; assessing social impact of technology; sensitivity analysis for technology prioritization and design; feedback control for computer automation of helping to meet humanitarian engineering objectives.

Prereq: Jr, Sr or Grad standing in College of Engineering; or permission of instructor. Not open to students with credit for 5194.06.

Autumn 2026 Semester**6533 Infrared Detectors and Systems****G 3**

This course covers the basics of infrared photodetectors and systems. It will include basic geometrical optics, radiometry, figures of merit and types of infrared detectors.

Prereq: Grad standing in Engineering or the Physical Sciences. Not open to students with credit for 5194.10.

Educational Studies**EDUCST****Autumn 2026 Semester****1500 Student Engagement for Academic Success****U 3**

This course is designed to help students with the transition from high school to college level academics by improving study skills, regulating academic behaviors and continuing personal development. This course is designed to promote your self-awareness. This hands-on, active-learning course will also teach students how to engage with mobile technology for academic advancement and organization.

Prereq: Permission of instructor.

Evolution, Ecology and Organismal Biology**EEOB**

Autumn 2026 Semester**3510 Cellular and Developmental Biology****U 3**

Introduction to the structure and function of animal cells, and to patterns of early development in vertebrates and invertebrates.

Prereq: Biology 1113 and 1114. Not open to students with credit for MolGen 5602.

Engineering**ENGR****Autumn 2026 Semester****5081.01 Engineering Capstone Collaboration I****U G 3**

Students contract to collaborate with an engineering capstone design team for two semesters and contribute their disciplinary expertise.

Prereq: Permission of instructor. Not open to Engineering Majors.

Autumn 2026 Semester**5081.02 Engineering Capstone Collaboration II****U G 3**

Students contract to collaborate with an engineering capstone design team for second semester and contribute their disciplinary expertise.

Prereq: Permission of instructor. Not open to Engineering Majors.

Engineering Technology**ENGTECH****Autumn 2026 Semester****2110T Construction Drawings & Basic Estimating****U 1**

Reading and interpretation of various types of construction drawings, as well as an introduction to material quantity calculations and estimate development.

Prereq: Math Placement Level S or higher. This course is available for EM credit.

Environment and Natural Resources**ENR****Autumn 2026 Semester****3300 Introduction to Forestry, Fisheries, and Wildlife****U 3**

This course is an introduction to the basic elements of forestry, fisheries, and wildlife (FFW) ecology and management for majors in environment and natural resources. This course has also been organized to provide an introduction to non-majors who may not have the opportunity to take further courses in these fields. Prereq: Not open to students with credit for 3300E.

Autumn 2026 Semester**3300E Introduction to Forestry, Fisheries, and Wildlife****U 3**

This course is an introduction to the basic elements of forestry, fisheries, and wildlife (FFW) ecology and management for majors in environment and natural resources. This course has also been organized to provide an introduction to non-majors who may not have the opportunity to take further courses in these fields. Prereq: Honors standing. Not open to students with credit for 3300.

Autumn 2026 Semester**5250.01 Wetland Ecology and Restoration****U G 3**

This course teaches biological, physical & chemical processes controlling wetland occurrence, structure & function. Students will get an overview of different types & forms of wetlands, their characteristics & their ecosystem services. Disturbances & impacts of human and climatic pressures on wetlands will be explained alongside with mitigation, use & sustainable conservation of wetlands.

Prereq: EEOB 3410; or Grad standing.

Autumn 2026 Semester**5642 Environment and Natural Resources Administration****U G 3**

Organization and administration of environment and natural resource agencies and non-governmental organizations.
 Prereq: 3200; or grad standing.

*Components: LEC***Educational Studies: Counselor Education****ESCE****Autumn 2026 Semester****6737 Group Counseling****G 4**

Study of group counseling theories and developmental processes for therapeutic and psychoeducational groups.
 Prereq: 6731 and 6732; and admission to Counselor Education program.

Ethnic Studies**ETHNSTD****Autumn 2026 Semester****3408 Latinx Migrations Through Comics****U 3**

This course explores notions of disaster, forced displacement, crisis and recovery in Latinx graphic narratives of the 21st century. Students will experience comics as a unique and full-bodied communication form putting special emphasis on non-fictional comic art created, produced, and distributed by Latinx-identified multidisciplinary sources and independent artists.

Prereq: Not open to students with credit for HistArt 3408. GE theme migration, mobility, and immobility course. Cross-listed in HistArt.

Food Science and Technology**FDSCTE****Autumn 2026 Semester****7610 Instrumental Analysis I: Spectroscopic and Chromatographic Techniques in Food Analysis****G 3**

Theory and practice of analytical chemistry applied to the identification and quantitation of analytes in food. Emphasis on chromatography, optical spectroscopy, mass spectrometry as well as sample preparation techniques and statistical data treatment.

Prereq: Grad standing.

Geography**GEOG****Autumn 2026 Semester****3900.01 Global Climate Change: Causes and Consequences****U 3**

An advanced overview of causes and consequences of Earth's changing climate, evaluating natural from human influenced forcings. Students engage the fundamentals of climate dynamics and energy within broader dimensions of sustainability.

Prereq: Not open to students with credit for 3900, 3900.02, 3901H. GE nat sci phys course. GE theme sustainability course.

Autumn 2026 Semester**3900.02 Global Climate Change: Causes & Consequences****U 4**

An advanced overview of causes and consequences of Earth's changing climate, evaluating natural from human influenced forcings and the fundamentals of climate dynamics and energy within broader dimensions of sustainability. Student research investigates the nature and extent of a particular climate change consequence for society and critically evaluates strategies for mitigation and adaptation.

Prereq: Not open to students with credit for 3900, 3900.01, 3901H. GE theme sustainability course, High-Impact Practice Research and Creative Inquiry.

Horticulture and Crop Science**HCS**

Autumn 2026 Semester

2340.02 Herbaceous Ornamental Plants

U 3

A survey of the most important annual and perennial herbaceous ornamentals used in horticulture in the Midwest U.S. Weekly lectures will emphasize ornamental attributes, usage and management. Weekly plant walks (outdoor lectures) will emphasize plant identification.

Components: LEC LAB

History of Art

HISTART

Autumn 2026 Semester

3408 Latinx Migrations Through Comics

U 3

This course explores notions of disaster, forced displacement, crisis and recovery in Latinx graphic narratives of the 21st century. Students will experience comics as a unique and full-bodied communication form putting special emphasis on non-fictional comic art created, produced, and distributed by Latinx-identified multidisciplinary sources and independent artists.

Prereq: Not open to students with credit for EthnStd 3408. GE theme migration, mobility, and immobility course. Cross-listed in EthnStd.

Autumn 2026 Semester

4020 Special Topics in Architecture

U 3

Topic to be announced.

Repeatable to a maximum of 6 cr hrs.

History

HISTORY

Autumn 2026 Semester

2213 Life and Death in the Ancient Mediterranean City

U 3

What was it really like to live in an ancient city? This course explores urban life in the ancient Near East, Greece, and Rome, focusing on how people experienced and shaped their environments. We'll examine daily life, urban planning, and human-environment interaction, culminating in an in-depth case study of Pompeii.

GE historical study course. GE theme lived environments course.

Autumn 2026 Semester

3213H Slavery in the Ancient World

U 3

Study of slavery as an institution and ideology of ancient Greece and Rome, including its importance in the ancient family, economy, and culture.

Prereq or concur: Honors standing; or permission of instructor. Not open to students with credit for 3213, Clas 3202, 3213, or 3213H. GE cultures and ideas and historical study course. GE theme citizenship for div and just wrld course. Cross-listed in Clas.

Kinesiology: Health and Exercise Science

KNHES

Summer 2026 Term

4998 Research in Kinesiology: Health & Exercise Science

U 1 - 12

Independent study related to research in Kinesiology: Health and Exercise Science.

Prereq: Enrollment in Health and Exercise Science major; and permission of instructor.Repeatable to a maximum of 12 cr hrs or 12 completions.

Latin

LATIN

Autumn 2026 Semester

1103 Intermediate Latin II

U 3

Selected readings in Latin literature.

Prereq: 1102; or Latin Placement Level 7; or permission of instructor. GE for lang course. GE world languages course.

Autumn 2026 Semester**7006 Advanced Legal Writing****L 2 - 3**

Training in the preparation of legal documents.

Prereq: 7003 or 7310; and 6106; and 6103.

Master of Dietetics and Nutrition**Summer 2026 Term****6500 Advanced Community Nutrition and Health Promotion****G 3**

Advanced study of community needs assessment, national nutrition policy, design and evaluation of programs and cultural factors to promote the health and nutritional status of the community.

Prereq: Admission to Master of Dietetics and Nutrition Program (MDN) or Graduate Certificate in Nutrition and Health Promotion; or permission of instructor.**Summer 2026 Term****6715 Dietary Supplements****G 3**

Uses, efficacy, safety, physiological function, and evidenced-based recommendations for dietary supplements and herbs used as interventions in various diseases and conditions or to maintain health.

Prereq: Admission to Master of Dietetics and Nutrition Program (MDN), MS in Human Nutrition, or other Grad-level program in HRS, or Graduate Certificate in Nutrition and Health Promotion; or permission of instructor.**Medicine, College of****Autumn 2026 Semester****7795 Issues and Trends in Aging****G M 3**

Study of national, state and local policy issues related to the older population. Problem-based approach is used to assess impact on current and future practices.

Music**Autumn 2026 Semester****3354 Hip Hop Sampling and Beat Making I****U 3**An introduction to the art and practice of creating beats that explores the history, artistic, and socio-cultural significance of beats and beat-making in the hip hop music tradition. Students will study beat creators, creative technologies, source materials, and the artistic and social role of the DJ. This course is an elective option for the Music BS, Creative Practice track.

Prereq: Not open to students with credit for AfAmAST 3354. Cross-listed in AfAmAST.

Autumn 2026 Semester**3355 Hip Hop Sampling and Beat Making II****U 3**This course will advance each student's skills for beat making and is a continuation of the skills learned in Music/AFAMAST 3354. Students will further develop their skills of beat making and production focusing on the intricate details of their craft (i.e. DAW, sequence & song structure, and mixing and mastering techniques).

Prereq: 3354 or AfAmAST 3354. Not open to students with credit for AfAmAST 3355. Cross-listed in AfAmAST.

Autumn 2026 Semester**5801 Analysis of Video Game Music****U G 3**

This course focuses on the theory and analysis of video-game music, focusing on topics such as functions of game audio, interactivity and immersion, game history and technology, comparisons between game music and film music, musical meaning and tropes, genres and styles, as well as fandom, song covers and nostalgia. Grad student must pass the graduate entrance assessment in music theory or prereq.

Prereq: A grade of C- or above in Music 3422; or Grad standing; or permission of instructor.

Autumn 2026 Semester**5802 Analysis of Popular Music****U G 2**

Analysis of Popular Music? is part of a series of 5000-level course offerings in music theory that seek to develop analysis and analytical writing skills for different repertoires. Upon successful completion of this course, students should be able to teach the aspects of popular-music analysis that often come up in core undergraduate music theory textbooks.

Prereq: Grade of C- or higher in Music 3422; or Grad standing; or permission of instructor.

Philosophy**PHILOS****Summer 2026 Term****1332 Ethics in the Professions: Introduction to Engineering Ethics****U 3**

An examination of contemporary issues in engineering ethics in the context of major ethical theories. GE cultures and ideas course. GE foundation historical and cultural studies course.

Physics**PHYSICS****Autumn 2026 Semester****1248 Mechanics, Work, and Energy****U 4**

PHYSICS 1248 is the first course in a two-course series, for students in physical sciences, mathematics, and engineering. This course covers rotational dynamics, fluids, thermal dynamics, and vibrational motion. The physics content in relation to these topics is covered in the same depth and rigor as in PHYSICS 1250. The combination of PHYSICS 1248 + PHYSICS 1249 is equivalent to PHYSICS 1250.

Concur: Math 1120, 1140, 1148, 1149, or 1150 or higher; or Math Placement Level M. Not open to students with credit for 1250. GE foundation natural sci course.

Public Affairs, John Glenn College**PUBAFRS****Autumn 2026 Semester****3800 Career Exploration and Job Readiness in Public Affairs****U 1**

Professional development skills course for undergraduate public affairs majors. The purpose of the course is to help students explore career options and next steps, develop career-specific skills such as interviewing, networking, and resume development, and connect with professionals in the field of public affairs.

Public Health: Health Services Management & Policy**PUBHHMP****Autumn 2026 Semester****8899 Doctoral Seminar in Health Services Management and Policy****G 1 - 2**

Doctoral level seminar on topics that are relevant to students enrolled in the PhD program in health services management and policy.

Prereq: Grad standing in Public Health; or permission of instructor. Repeatable to a maximum of 9 cr hrs or 6 completions. This course is graded S/U.

Public Health**PUBHLTH****Summer 2026 Term****3191 Undergraduate Internship in Public Health****U 1 - 3**

Internship with a public health organization, non-profit, healthcare system, or similar entity in which students gain practical experience in the public health sector. This course is not for use as the BSPH capstone experience. Credit hours are determined by the total internship hours to be logged during the semester: 1 credit = 40 hours, 2 credits = 80 hours, 3 credits = 120 hours. Students may not receive credit for an internship already completed. Prior approval required.

Prereq: Enrollment in BS Public Health major; and approval of internship from the College of Public Health. Repeatable to a maximum of 4 cr hrs or 2 completions. This course is graded S/U.

Summer 2026 Term

3998 Research in Public Health

U 1 - 6

Research under the guidance of a faculty mentor in a basic or applied area of public health.

Prereq: Jr or Sr standing; and enrollment in BSPH major; and permission of advisor. Students who are not Jr or Sr standing may be eligible with faculty mentor approval. This course is graded S/U.

Summer 2026 Term

4998 Capstone Research in Public Health

U 2

Capstone research experience under the guidance of a faculty mentor in a basic or applied area of public health. In this capstone course, students integrate classroom experiences and principles with a hands-on research experience.

Prereq: 3180 or 3180E; enrollment in public health major; and Jr or Sr standing; or permission of instructor. This course is graded S/U. Cross-listed in PubHlth 4191.

Rural Sociology

RURLSOC

Autumn 2026 Semester

5500 Diffusion of Innovations

U G 3

Examine the sociological processes involved in disseminating new ideas and technologies in U.S. and developing nations. Assess the consequences of new technologies for communities, households, and individuals particularly in rural contexts.

Prereq: Not open to students with credit for ENR 5500. Cross-listed in ENR.

Russian

RUSSIAN

Summer 2026 Term

1102.01 Elementary Russian II (Classroom Track)

U 4

Continued development of speaking, listening, reading, and writing skills in cultural context. Not open to native speakers of this language through regular course enrollment or EM credit.

Prereq: 1101.01, or 4 cr hrs of 1101.51 or 1101.61, or Russian Placement Level 8. Not open to students with credit for 4 hrs of 1102.51 or 1102.61. This course is available for EM credit. GE for lang course. GE world languages course.

Summer 2026 Term

1102.51 Elementary Russian II (Self-Paced)

U 1 - 4

Continued development of speaking, listening, reading, and writing skills in cultural context. Students register for 1-4 cr hrs. Progress is sequential from one cr hr to next. 80% is required to advance. Not open to native speakers of this language through regular course enrollment or EM credit.

Prereq: 1101.01, or 4 cr hrs of 1101.51 or 1101.61, or Russian Placement Level 8. Not open to students with credit for 1102.01, or 4 cr hrs of 1102.51 or 1102.61. Repeatable to a maximum of 4 cr hrs or 4 completions. This course is available for EM credit. GE for lang course. GE world languages course.

Summer 2026 Term

1102.61 Elementary Russian II (Self-Paced/Individualized Distance Learning)

U 1 - 4

Continued development of speaking, listening, reading, and writing skills in cultural context. Not open to native speakers of this language through regular course enrollment or EM credit.

Prereq: 1101.01, or 4 cr hrs of 1101.51 or 1101.61, or Russian Placement Level 8. Not open to students with credit for 1102.01, or 4 cr hrs of 1102.51. Repeatable to a maximum of 4 cr hrs or 4 completions. This course is available for EM credit. GE for lang course. GE world languages course.

Autumn 2026 Semester

1103.01 Intermediate Russian I (Classroom Track)

U 4

Continued development of speaking, listening, reading, and writing skills in cultural context. Not open to native speakers of this language through regular course enrollment or EM credit.

Prereq: 1102.01, or 4 cr hrs of 1102.51 or 1102.61, or Russian Placement Level 7. Not open to students with credit for 1103.01 or 1133, or 4 cr hrs of 1103.51 or 1103.61. This course is available for EM credit. GE for lang course. GE world languages course.

Slavic Languages and Literatures

SLAVIC

Summer 2026 Term

3310 **Citizens in a Strange Land: Science Fiction in East European Literature and Film**
U **3**

Science fiction as a genre explores many important issues relating to citizenship, including adaptation to technological advances and totalitarian societies, human perfectability, utopia and dystopia, and inclusiveness of race, gender, and orientation. Eastern European science fiction in literature and film are contrasted with Anglo-American and Western European works. GE Citizenship Theme.
GE theme citizenship for div and just wrld course.

Social Work

SOCWORK

Autumn 2026 Semester

7513 **Clinical Social Work with Groups**
G **3**

This course prepares students to lead clinical social work groups with clarity, confidence, and cultural responsiveness. Students will explore major theoretical models, evidence-based interventions, and relational dynamics across the full arc of group work?from pre-group planning through termination.
Prereq: 6201, 6301, 6401, 6501, and 6601; or prereq or concur: 7500.

Statistics

STAT

Summer 2026 Term

8998 **PhD Dissertation Research in Statistics (Pre-candidacy)**
G **1/2 - 18**

PhD Dissertation research in Statistics (Pre-candidacy).
Prereq: Permission of instructor. Repeatable to a maximum of 45 cr hrs or 45 completions. This course is graded S/U.

Teaching and Learning Education

TLED

Autumn 2026 Semester

7431 **Introduction to Ethnography of Literacy and Language in Classrooms and Communities**
G **3**

Introduces the ethnography of literacy and language as fields of inquiry, providing theoretical, conceptual and methodological frameworks for research on written and oral language practices that are embedded in various social, cultural, and political contexts.
Prereq: Not open to students with credit for EduTL 7431. This course is progress graded.

Autumn 2026 Semester

7432 **Advanced Ethnography of Literacy and Language in Classrooms and Communities**
G **3**

Building on the first course of this two-course sequence, this course provides students experience in doing their own research by focusing on data gathering, fieldwork issues, data analysis, and writing aspects of the ethnographic research process.
Prereq: 7431; or permission of instructor. Not open to students with credit for EduTL 7432.

Welding Engineering

WELDENG

Autumn 2026 Semester

7123 **Advanced Metallurgy for Brazing and Soldering**
G **3**

Graduate level physical-chemical concepts of brazeability and solderability of metals, ceramics, and glasses and focuses on wetting by liquid filler metals, interfacial reactions, phase compositions of joint metal, hetero-diffusion, liquid embrittlement, as well as strength and reliability of brazed and soldered joints manufactured in aerospace, electronic, optical, mining, and other industries.
Prereq: Grad standing in Engineering; or permission of instructor.

Withdraw Course

Mechanical Engineering

MECHENG

Summer 2026 Term

7374 Polymer Smart Materials and Material Systems - Advanced Modeling and Characterization

G 3

Polymer smart materials and material systems with specific emphasis on mathematical modeling and characterization of ionic electroactive materials. Introduction of ionic electroactive materials as engineering materials and motivate students through various contemporary applications. Fabrication, characterization, electrochemical modeling for actuation, sensing, energy conversion and storage.

Prereq: 5374, and Grad standing in Mechanical Engineering; or permission of instructor. Not open to students with credit for 7194 (Sp 2014 or Sp 2017, Polymer Smart Materials).

Public Health

PUBHLTH

Summer 2026 Term

3191E Undergraduate Internship in Public Health

U 2

Placement of BSPH students in a public health agency or related site for supervised practice experience.

Prereq: 3180 or 3180E, Sr standing, and enrollment in BS PubHlth major. Repeatable to a maximum of 6 cr hrs.

This course is graded S/U.

Summer 2026 Term

3999 Undergraduate Capstone Research in Public Health

U 2

The goal of the Undergraduate Public Health Research Experience Capstone is to provide Public Health students with opportunities to apply public health principles outside of a typical classroom setting and build on public health coursework. This course allows students the opportunity to integrate classroom experiences and principles in an applied research setting.

Prereq: 3180 or 3180E or permission of instructor. This course is graded S/U.



Council on Academic Affairs Approval

New Program	Proposed By	Status	Date Approved
Tech Innovation Specialization	Fisher College of Business	Approved by CAA	2/18/2026
		No additional approval necessary	