



Dual Enrollment Suggested Courses

View the full schedule and class availability online by clicking on [university-wide class schedule](#).

Any course with an asterisk (*) after the title requires placement testing. All courses are three credits unless otherwise indicated.

English Composition:

ENGL 101-Composition I*

Prerequisite: [ENGL 100](#) where required by placement testing

In this first-year writing course, students compose projects in multiple written genres that address specific rhetorical situations. Uses memory, observation, critical reading and viewing, analysis, and reflection to draft, peer review, revise, and edit projects.

Mathematics:

MATH 101-Foundations of Mathematics*

Introduces logic and a mathematical way of analyzing problems; develops an appreciation for the nature, breadth, and power of mathematics and its role in a technological society; introduces useful mathematics or mathematics related to student interests. Possible topics include logic, problem solving, number theory, linear programming, probability, statistics, intuitive calculus, introduction to computers, mathematics of finance, game theory. May not be taken after successfully completing a math course with a larger course number without written Mathematical and Computer Sciences Department chairperson approval. This course also may not be taken by students who place into [MATH 083](#) until successful completion of said course without written Mathematical and Computer Sciences Department chairperson approval.

MATH 105-College Algebra*

Prerequisite: [MATH 100](#) or appropriate placement test score or permission of the Mathematical and Computer Sciences Department chairperson. **Note:** May not be taken after successfully completing either a calculus course or [MATH 110](#) without written MACS Department chairperson approval.

Analyzes and interprets numerical, graphical, and algebraic representations to model complex situations using mathematical structures and increase problem-solving skills.

Focuses on polynomial, exponential, and logarithmic functions, and basic right triangle trigonometry.

MATH 107-Business Mathematics* Business majors only

Prerequisite: [MATH 100](#) or appropriate placement test score, for majors in Eberly College of Business. This course may not be taken after successfully completing a calculus course without written approval from the Mathematical and Computer Sciences Department chair.

Corequisite: [MATH 108](#) . A student who has already passed **MATH 108** can take 107 alone.

Focuses on polynomial, exponential, and logarithmic business models. Explores methods to appropriately analyze and interpret numerical, graphical, and algebraic data sets generated from business applications. Introduces the central ideas of calculus with particular emphasis to business applications of derivatives and integrals.

MATH 108-Applications of Business Mathematics* Business majors only

Prerequisite: [MATH 100](#) or appropriate placement test score, for majors in Eberly College of Business.

Corequisite: [MATH 107](#) . A student who has already passed **MATH 107** can take 108 alone.

Focuses on business models and applications in a computer classroom setting where appropriate technology is used to apply concepts from **MATH 107** to solve problems in business. Emphasis is given to the application of calculus using mathematical software.

MATH 110-Elementary Functions*

Prerequisite: [MATH 100](#) or appropriate placement test score or permission of the Mathematical and Computer Sciences Department chairperson.

Prepares mathematics and science students for the study of calculus. Topics include detailed study of polynomial, exponential, logarithmic, and trigonometric functions. May not be taken after successfully completing a calculus course without written Mathematical and Computer Sciences Department chairperson approval.

MATH 121-Calculus I for Natural and Social Sciences*- 4 credits

Prerequisite: [MATH 105](#) or [MATH 110](#) or appropriate placement test score or permission of the Mathematical and Computer Sciences Department chairperson.

A review of elementary functions, including logarithmic and exponential functions. Natural and social science majors are introduced to the central ideas of calculus, including limit, derivative, and integral. Applications to natural and social sciences are emphasized. May not be taken after successfully completing a calculus course without written Mathematical and Computer Sciences Department chairperson approval.

MATH 125-Calculus I/Physics, Chemistry, Mathematics*

Prerequisite: MATH 110 or equivalent placement (algebra, geometry, and trigonometry)

The first of a three-semester sequence for math and science majors covering the theory of calculus and its application in problem solving. Topics include functions, limits, continuity, derivatives, application of derivative, integrals, and applications of the integral. (Trigonometric, exponential, and logarithmic functions are included.)

MATH 214-Probability and Statistics- Business majors only

Studies the methods of describing data, probability theory, discrete and continuous random variables, sampling distributions, estimation, and tests of hypothesis for means, proportions, and variance, and simple linear regression and correlation.

MATH 217-Probability and Statistics-for non-mathematics majors

An applied statistics course that uses basic statistical methodologies to explore data and answer research questions. Summarization, analysis, and interpretation of data from the social sciences and other related areas. Topics include frequency distributions, graphical summaries, elementary probability, estimation, testing hypotheses, and correlation and regression. Emphasis upon applications using appropriate technology, as opposed to theoretical development of topics.

Humanities (9 credits; one course from each category):

History: Select only one course below to fulfill the humanities-history requirement

HIST 196-Explorations in US History

Interprets and analyzes the development of US history through a chronological survey of a historical era or a topical theme central to US history. Examines, where appropriate, the intersection of race and ethnicity, gender, and class. Emphasizes the recognition of historical patterns, the interconnectedness of historical events, and the incorporation of various subfields in the discipline of history. Successful completion of HIST 196 fulfills the Liberal Studies History requirement. HIST 197 and HIST 198 also fulfill this requirement, and any of these courses may be substituted for each other and may be used interchangeably for D/F repeats but may not be counted for duplicate credit.

HIST 197-Explorations in US History

Interprets and analyzes the development of European history through a chronological survey of a historical era or a topical theme central to European history. Examines, where appropriate, the intersection of race and ethnicity, gender, and class. Emphasizes the recognition of historical patterns, the interconnectedness of historical events, and the incorporation of various subfields in the discipline of history. Successful completion of 197 fulfills the Liberal Studies History requirement. HIST 196 and HIST

198 also fulfill this requirement, and any of these courses may be substituted for each other and may be used interchangeably for D/F repeats but may not be counted for duplicate credit.

HIST 198-Explorations in Global History

Interprets and analyzes the development of global history through a chronological survey of a historical era or a topical theme central to global history. Examines, where appropriate, the intersection of race and ethnicity, gender, and class. Emphasizes the recognition of historical patterns, the interconnectedness of historical events, and the incorporation of various subfields in the discipline of history. Successful completion of HIST 198 fulfills the Liberal Studies History requirement. **HIST 196** and **HIST 197** also fulfill this requirement, and any of these courses may be substituted for each other and may be used interchangeably for D/F repeats but may not be counted for duplicate credit.

Literature: Select **only one course** below to fulfill the humanities-literature requirement

ARHU 122-Big Ideas I: Ancient to Enlightenment

Introduces transformative literature from around the world, ancient to enlightenment periods. Develops foundational reading, writing, and analytical skills, as well as productive habits of mind. Integrates and embeds the humanities, providing preparation for and an advantage in the workplace.

ARHU 123-Big Ideas II: Enlightenment to Present

Surveys transformative literature from around the world, enlightenment to present. Develops foundational reading, writing, and analytical skills, as well as productive habits of mind. Integrates and embeds the humanities, providing preparation for and an advantage in the workplace.

ENGL 121-Humanities Literature

Prerequisite **ENGL 101**

An exploration of literature and the methods of close reading. Through encounters with significant literary texts, students investigate and analyze how literary meaning is constructed; how literature shapes and is shaped by its various contexts; and how literature enables critical inquiry into values. Includes literary texts by women and people from underrepresented communities. Also offered as **FNLG 121**. ENGL 121/**FNLG 121** may be used interchangeably for D/F repeats; may not be counted for duplicate credit.

FNLG 121-Humanities Literature

Prerequisite [ENGL 101](#)

An exploration of literature and the methods of close reading. Through encounters with significant literary texts, students will investigate and analyze how literary meaning is constructed; how literature shapes and is shaped by its various contexts; and how literature enables critical inquiry into values. Includes literary texts by women and people from underrepresented communities. Also offered as **ENGL 121**. **ENGL 121**/FNLG 121 may be used interchangeably for D/F repeats; may not be counted for duplicate credit.

Philosophy or Religious Studies: Select only one course below to fulfill the humanities-philosophy/religious studies requirement

PHIL 100-Introduction to Philosophy

Acquaints the beginning student with philosophical problems and methods. Topics include the existence of God, human freedom, the scope and limits of human knowledge, the nature of mind, the nature of morality, and the relationship between the individual and the state.

PHIL 101-Critical Thinking

An introduction to basic principles of informal logic and critical thinking. An emphasis is on different kinds of arguments, methods of argument evaluation, and the analysis of arguments as they arise in various contexts, such as political debate, advertising, science, law, and ethics.

PHIL 122-Contemporary Moral Issues

Examines attempts to answer foundational questions of ethics, including the following: Why should we be moral? What do morally correct actions have in common? Are there objective moral standards, or are moral codes relative to individual societies? Does morality require religion? Diverse moral theories are applied to contemporary debates and controversies, such as environmental ethics, abortion, capital punishment, affirmative action, and animal rights. Readings will draw on historical and contemporary figures.

RLST 100-Introduction to Religion

An introduction to the academic study of religion through an examination of various dimensions of religious expression and traditions. Covers such areas as problems about definition of religion; approaches to the study of religion; the goals, language, and rituals of religion; cases of religious experience; faith, disbelief, and alternatives to religion; religion and the sociocultural context.

RLST 110-World Religions

A comparative study of the history, teaching, and rituals of the major religions of the world and their influence on contemporary society. This nonsectarian approach to religions emphasizes comparisons/contrasts between Western and non-Western religious traditions as well as the contemporary global nature of Western traditions.

Fine Arts: Select only one course below to fulfill the fine arts requirement

ARHI 101-Introduction to Art

Introduces the elements of visual expression, past and present. Students gain an understanding of the processes of art making and the motivations and goals of artists across time. Students learn how various factors, including religion, politics, and literature, affect the creation of the arts of any given period or region.

DANC 102- Introduction to Dance

Explores dance as communication, ritual, social engagement, entertainment, and as an art form. Dance history, genealogy, aesthetics, critical analysis and response, and the creative process are examined. Class experience includes viewing and critical analysis of professional dance works, attending at least two live productions, and engaging in the creative process in practice and performance.

MUHI 101-Introduction to Music

A broad introduction to the technical, artistic, historical, social, and cultural dimensions of music, drawing on musical traditions from around the world. Students learn to recognize basic ways in which music is put together, communicates meaning to its listeners, and enriches many aspects of life. Through attendance at concerts, students gain familiarity with musical events in their community.

THTR 101-Introduction to Theatre

Explores major conceptual, philosophical, and aesthetic underpinnings of theatre arts. Includes the analysis of major historical and contemporary works of drama through dramatic literature and live and mediated performance. Introduces key elements of theatre through examining the roles and functions of acting, playwriting, directing, and design. Meets Fine Arts requirement for Liberal Studies. THTR 101 and **THTR 161** may be substituted interchangeably for D/F repeats. THTR 101 and **THTR 161** may not be used for duplicate credit. **THTR 161** is required for the Effective Teamwork and Communication minor.

THTR 161-Introduction to Theatre: Teamwork

Explores major conceptual, philosophical, and aesthetic underpinnings of theatre arts. Includes the analysis of major historical and contemporary works of drama through dramatic literature and live and mediated performance. Introduces key elements of theatre through examining the roles and functions of acting, playwriting, directing, and

design. Builds skills in teamwork through implementation of theatrical practice, analysis of interpersonal communication, and development of collaboration within a team project. Designed for those seeking a minor in Effective Teamwork and Communication. Meets Fine Arts requirement for Liberal Studies. **THTR 101** and THTR 161 may be substituted interchangeably for D/F repeats. **THTR 101** and THTR 161 may not be used for duplicate credit. THTR 161 is required for the Effective Teamwork and Communication minor.

Natural Sciences:

BIOL 103 – Life on Earth (lecture and lab required) 4 credits

Introduces ecology, conservation, and evolutionary biology, emphasizing how ecological change caused by human activities impacts plant and animal populations, communities, and ecosystems and how living things interact with each other and the physical environment. Applies scientific method to learn fundamental concepts and explore problems in ecology and conservation.

BIOL 104 – Human Biology: How the Human Body Works (lecture and lab required) 4 credits

Introduces functions of the human body using disease as a mechanism. Explores the internal milieu of the body and how the different body systems affect this balance. Gain an appreciation for the human body and its interactions with the environment.

BIOL 106-Human Genetics and Health this is a LS non-lab science

Demonstrates how genetics and molecular biology contribute to human health with emphasis on inherited diseases, genetic therapies, and individualized medicine. Introduces the therapeutic uses of stem cells, the genetics of cancer, and the utilization of vaccines in the treatment and prevention of human disease.

BIOL 107-Introduction to Forensic Biology this is a LS non-lab science

Overviews the basic principles underlying modern applications of biology in forensic science. Explores the science of forensic biology, traditionally known as serology, and the broad scope of laboratory tests used to investigate crimes involving DNA, blood, and other body fluids. Focuses on the issues related to DNA fingerprinting as they apply to public or legal proceedings in the law enforcement arena.

CHEM 101 – College Chemistry I (lecture and lab required) 4 credits

Basic principles and concepts of inorganic chemistry are developed using atomic and molecular structure with illustrative examples from descriptive chemistry. The laboratory portion illustrates physical and chemical properties in a qualitative and quantitative manner. For selected majors within the College of Health and Human Services and to fulfill the Liberal Studies Natural Science Laboratory Sequence requirement.

CHEM 102 – College Chemistry II* (lecture and lab required) 4 credits [Prerequisite: CHEM 101](#)

Fundamental principles and concepts of organic chemistry and biochemistry are studied. Deals primarily with structural features of organic compounds, the chemistry of functional groups, and practical examples and uses of organic compounds. The laboratory portion illustrates properties and reactions of representative organic compounds. For selected majors within the College of Health and Human Services and to fulfill the Liberal Studies Natural Science Laboratory Sequence requirement.

CHEM 103-Introduction to Chemistry for Health Sciences [Nursing majors](#)

Survey of key concepts of general and organic chemistry, with special emphasis on the application of these concepts to the health professions. Topics include measurements, chemical equations, gasses, solutions, acids and bases, hydrocarbons and organic functional groups. Course includes a laboratory component that focuses on quantitative skills. For selected majors within the College of Health and Human Services and to fulfill the Liberal Studies natural science laboratory requirement.

CHEM 105-The Forensic Chemistry of CSI [this is a liberal studies non-lab science](#)

For students who would like to learn about forensic chemistry and the basic science needed to understand it. Chemical concepts on the level of an introductory chemistry course and their applications to forensic science are explored in detail. Topics include the forensic analysis of drugs, fibers, glass, fingerprints, arson, questioned documents, and other types of physical evidence. Other topics include how forensic science is portrayed in novels, movies, computer games, and TV and the methods used in forensic evidence collection at a crime scene. Course cannot be used to fulfill the requirements for a chemistry major or minor.

CHEM 111 – General Chemistry I* (lecture and lab required) 4 credits

An introductory course for science and preprofessional health majors. First half of a two-semester sequence designed to give students the foundation of knowledge and laboratory techniques required to successfully complete a degree program in the sciences or to enter professional health programs. Topics include atomic theory, an introduction to chemical reactions, stoichiometry, gas laws, thermochemistry, chemical bonding, and molecular geometry.

CHEM 112 – General Chemistry II* (lecture and lab required) 4 credits [Prerequisite: CHEM 111](#)

An introductory course for science and preprofessional health majors. Second half of a two-semester sequence designed to give students the foundation of knowledge and laboratory techniques required to successfully complete a degree program in the sciences, or to enter

professional health programs. Topics include the solid states, solution theory, kinetics, equilibrium, thermodynamics, acids and bases, and electrochemistry.

CHEM 255-Biochemistry for Health Sciences

Prerequisite: [CHEM 103](#) or instructor permission

Introductory course for selected students in the College of Health and Human Services that focuses on the fundamentals of biochemistry. Provides a basic understanding of biomolecular processes so that this knowledge can be utilized to understand current and future aspects of molecular therapeutics. For selected majors within the College of Health and Human Services and to fulfill the Liberal Studies natural science nonlaboratory requirement.

GEOS 101 – The Dynamic Earth

Prerequisite: No geoscience majors/minors

Examines the constant changes that affect the rocky surface of our planet. From volcanic eruptions and catastrophic earthquakes to the slow drift of continents and passage of ice ages, earth processes have shaped the history of life and altered the development of human civilization.

GEOS 102-The Dynamic Earth Lab* (requires corequisite of GEOS 101)

Prerequisite: No geoscience majors/minors

Corequisite: Enrollment in GEOS 102 requires corequisite or previous enrollment in [GEOS 101](#)

Introduces the techniques geologists use to study the earth and reconstruct its past. Labs cover minerals, rocks, map interpretation, and fossil identification and may include field trips during the scheduled lab period.

GEOS 103-Oceans and Atmospheres Lecture

Prerequisite: No geoscience majors/minors

The earth's oceans and atmosphere play a crucial role in determining the pace and extent of changes occurring to our global environment. Examines the composition and character of these components and their interaction with other major components of the earth system.

GEOS 104-Oceans and Atmospheres Lab

Prerequisite: No geoscience majors/minors

Corequisite: Enrollment in GEOS 104 requires corequisite or previous enrollment in [GEOS 103](#)

Introduces the techniques oceanographers and meteorologists use to study the earth's oceans and atmospheres and reconstruct their evolution. Labs cover seawater processes, oceanic circulation, marine life, atmospheric structure, and weather.

GEOS 105-Exploring the Universe

Prerequisite: No Geoscience majors/minors

Examines the history of time; the reasons for the seasons; the characteristics of the planets, moons, stars, and galaxies; and the history and future of space exploration.

GEOS 106-Exploring the Universe Lab

Prerequisite: No geoscience majors/minors

Corequisite: Enrollment in GEOS 106 requires corequisite or previous enrollment in [GEOS 105](#)

Introduces the techniques astronomers use to study the nature and motions of objects in the sky, including the sun, moon, planets, and stars. Includes two observations held at night.

PHYS 101-Energy and Our Environment

Examines the areas of energy, transportation, and pollution using the relevant concepts of physical science and physics. This is a non-laboratory course for Liberal Studies requirements.

PHYS 111-Physics I Lecture Students are encouraged to register for both lecture and lab

Prerequisite: [MATH 105](#) or appropriate mathematics placement test score

Explores matter and energy. Uses algebra and trigonometry to examine the foundational principles of physics. Examines linear and rotational motion, energy, work, and momentum. Application of Newton's laws of motion is a critical component of this course. Investigates oscillations, waves, fluids, and heat.

PHYS 121-Physics I Lab-Students are encouraged to register for PHYS 111 as a corequisite

Physics laboratory at level of Physics I exercises in mechanics, wave motion, and sound.

PHYS 112-Physics II Lecture Students are encouraged to register for both lecture and lab **Prerequisite:** [PHYS 111](#)

Electricity and magnetism, heat, light, atomic and nuclear physics, and an elementary introduction to relativity and quantum theory.

PHYS 122-Physics II Lab Students are encouraged to register for both lecture and lab.

Physics laboratory at level of Physics II; exercises in optics, electricity and magnetism, and radioactivity.

SCI 105-Physical Science (lecture and lab) 4 credits

A descriptive and conceptual course in physics for the non-science major. High school physics is not a Prerequisite. Content is designed to develop an understanding and appreciation of the physical world around us, to produce changes in attitude and

background essential for our modern society, and to clarify the following topics: motion, heat, sound, light, electricity, magnetism, and the structure of matter.

*(*Students interested in pursuing pre-med or pre-professional degrees are advised to enroll in CHEM 111/112 rather than CHEM 101/102 to meet admission requirements for medical/professional schools.)*

Social Sciences:

ANTH 110-Contemporary Anthropology

An introduction to the discipline of anthropology: the study of human beings through time and across cultures. This class is organized around select themes that allow students to explore the nature and relevance of anthropological methods, theories, and perspectives. These themes may include, but are not limited to, human origins, evolution and human behavior, gender roles, the links between environment and culture, and social stratification. A strong emphasis on the effects of globalization on human cultures, and the potential for anthropology research to address contemporary issues such as cultural and environmental sustainability, public health, and social equity.

ANTH 211-Cultural Anthropology

Introduces the major concepts, theories, and research methods of cultural anthropology that are used to study and understand human culture in different parts of the world. An emphasis given to how traditional and nontraditional cultures undergo change as a result of globalization, and how cultural anthropologists study the social, economic, and political consequences that result from integration into an expanding and changing global economy. Topics covered may include, but are not limited to, social organization, economics, power and politics, race and ethnicity, language and communication, technology, religion and ritual, and sex and gender. A wide geographic coverage provides a basis for global comparisons of cultural similarities and differences among human societies.

ANTH 213-World Archaeology this is a social science not a LS elective

Archaeology is the study of past cultures and societies through their material remains. Explores the archaeologies of Western and non-Western societies and examines theory, methods, and techniques for investigating, reconstructing, interpreting, preserving, and learning from the past. Examines human cultural chronology from the appearance of human ancestors to the present through an examination of important social, economic, and ideological questions, as well as artifact remains. Includes the origins of food production, social inequality, and civilization.

CRIM 101-Crime and Justice Systems

Introduces the field of criminology through the examination of historical data, statistical information, theories of criminal causation, social control of behavior, development of

laws, evaluation of criminal justice system policies, procedures, and trends. Emphasizes terminology of the field, an awareness of the methods of inquiry utilized in the field, and examination of personal attitudes and values regarding crime and responses to crime.

ECON 101-Basic Economics

Scarcity, role of prices in determining production and the allocation of resources, business cycle analysis, policy options for reducing unemployment and inflation, economic role of government, international trade, and selected current economic problems are studied. For those who do not plan to take more than 3cr of economics. Note: May not be taken after successful completion of or concurrent registration in any other Economics course.

ECON 121-Principles of Macroeconomics

Nature and methodology of economics; mixed capitalism and market economy; national income; employment theory, including economics of fiscal policy; money, banking, and Federal Reserve System; international trade and finance.

GEOG 101-Environment and Society

The physical environment is modified by human activities, largely as a consequence of the ways in which societies value and use earth's natural resources, but human activities and distributions are, in turn, influenced by earth's physical features and processes. These themes are addressed by examining the geography of environmental impacts such as tropical deforestation, global climate change, energy development, urban growth, and agricultural land use. Also considered are natural hazards such as hurricanes, earthquakes, volcanic eruptions, and flooding.

GEOG 102-Geography of the United States and Canada

A conceptually based introductory-level geography course that focuses on the American landscape. Includes mapping culture regions; tracing settlement patterns; resource use; environmental perceptions; the interplay of urbanization, industrialization, post industrialization, and spatial mobility; the occurrence of economically disadvantaged landscapes; and the role individuals and society have in the creation of the geographic landscape.

GEOG 104-World Geography: Global Context

Relates theories of the discipline of geography to current world issues and global patterns. Emphasizes local versus global strategies of resource management, spatial legacies of colonialism, contemporary multiscale issues with workforce migration, urban structure, disease, and globalization. Focuses on global patterns of development through comparative approaches and understanding of human and physical geographic characteristics of world regions.

JRNL 105-Journalism and the Mass Media

Critically examines the roles, goals, and technologies of the mass media as they affect American society socially, politically, culturally, and economically. Explores the development of theories and research which explain the impact media has on society and people.

PLSC 101-World Politics

An analysis of contemporary (post-1945) state system and forces shaping the world in which we live. Student is given a framework within which to analyze contemporary international politics.

PLSC 111-American Government

Investigates the way American government works (and why sometimes it doesn't). Examines who gets what, why, and how in America and who pays for it, with an emphasis on understanding the origin, structure, and functions of US government. Looks beyond the divisions between "liberals" and "conservatives" to understand and evaluate contemporary political events and practices. Founding principles and their modern application are a core focus.

PSYC 101-General Psychology

Introduces the scientific study of behavior and mental processes.

SOC 151-Introduction to Sociology

A scientific study of the structure of human societies and the behavior of individual people, groups, institutions, processes, and interactions. Examines the relationship between individuals and societal institutions, processes, and interactions. Provides an overview of the discipline including key concepts, main theoretical perspectives, the methods and research findings of sociologists, and social inequalities. Meets Social Science requirement for Liberal Studies. SOC 151 and **SOC 161** cannot be substituted interchangeably for D/F repeats.

Dimensions of Wellness: Select only one course below to fulfill the dimensions of wellness requirement

COSC 143-Cyber Wellness

Investigates the different categories of cyber wellness and how they affect emotional, physical, social, and intellectual wellness. Focuses on demonstrating intellectual agility and creativity in order to maintain physical wellness while using technology. Examines the effect technological changes have had on various disciplines and their impacts on society in relation to health and wellness. Discusses theories and principles related to the physical, mental, social, and emotional aspects of personal computer usage including cyberspace. Completion of COSC 143 fulfills the Liberal Studies Dimensions of Wellness requirement. Other 143 courses will also fulfill this

requirement, and any of these courses may be substituted for each other and may be used interchangeably for D/F repeats but may not be counted for duplicate credit.

ECON 143-Financial Wellness

Theories and principles related to the physical, social, and emotional wellness aspects of individual money management. Information is focused on building a sound financial foundation as a college student and can be applied throughout the life span to ensure future financial well-being. Successful completion fulfills the Liberal Studies Dimensions of Wellness requirement.

FIN 143-Financial Wellness

Theories and principles related to the physical, mental, social, and emotional wellness aspects of individual money management. Information is focused on building a sound financial foundation as a college student and can be applied throughout the life span to ensure future financial well-being. Successful completion fulfills the Liberal Studies Dimensions of Wellness requirement. Other 143 courses will also fulfill this requirement, and any of these courses may be substituted for each other and may be used interchangeably for D/F repeats but may not be counted for duplicate credit. Cross-listed with ECON 143/FIN 143.

FDNT 143-Current Issues in Nutrition and Wellness

Introduces contemporary nutrition issues as they relate to personal food choices and overall health. Completion of FDNT 143 fulfills the Liberal Studies Dimensions of Wellness requirement. Other 143 courses will also fulfill this requirement, and any of these courses may be substituted for each other and may be used interchangeably for D/F repeats but may not be counted for duplicate credit.

KHSS 143-Physical Well-Being **Choose only one course below**

Contemporary Women's Wellness

Explores issues relating to the physical, emotional, and social aspects of special significance to women's health across the life span. Within the context of contemporary lifestyle and cultural influences, relevant health information affecting women of all ages, races, and ethnicities is presented. Current trends in the prevention and control of chronic diseases and health disorders as well as practical applications of information and resources to help each student develop a personal wellness plan and the knowledge to become a women's health advocate are emphasized. Successful completion fulfills the Liberal Studies Dimensions of Wellness requirements. Other 143 courses also fulfill this requirement, and any of these courses may be substituted for each other and may be used interchangeably for D/F repeats but may not be counted for duplicated credit.

Physical Well-Being

An overview of personal health and wellness. Emphasis is given to physical dimension in the attainment of well-being. Topical areas include, but are not limited to, exercise

and fitness, healthy eating and weight management, substance use and abuse, disease prevention, and sexuality. Also covers stress management and emotional wellness. Guides in the development of an individualized wellness plan to improve overall physical well-being. Successful completion fulfills the Liberal Studies Dimensions of Wellness requirement. Other 143 courses also fulfill this requirement, and any of these courses may be substituted for each other and may be used interchangeably for D/F repeats but may not be counted for duplicate credit.

Wellness through Strength Training

Promotes the attainment of personal well-being through the use of a comprehensive strength training program. Students will focus on the attainment of improved wellness by creating and participating in an exercise regime that focuses on muscular fitness, flexibility, and body composition. The exercise program will utilize a variety of resistive regimes including kettle bells, dumbbell circuits, and plyometrics. Students will evaluate their current level of fitness then participate in a physical activity self-improvement program. Meets Dimensions of Wellness for Liberal Studies requirement. Other 143 courses will also fulfill this requirement, and any of these courses may be substituted for each other and may be used interchangeably.

NURS 143-Heathy People Promoting Wellness

An introduction to the pathway of health and wellness through contributions to one's environment and community. The interconnectedness of self, others, nature, and society on one's health and wellness is emphasized. Students are guided through decision-making processes regarding life choices to maximize personal well-being. A personal wellness plan that incorporates aspects of physical and social health is developed using the Healthy People framework. Completion of NURS 143 fulfills the Liberal Studies Dimensions of Wellness requirement. Other 143 courses will also fulfill this requirement, and any of these courses may be substituted for each other and may be used interchangeably for D/F repeats but may not be counted for duplicate credit.

Liberal Studies Electives:

ARHI 205- Ancient to Medieval Arts

Examines a selection of art and architectural forms from the Prehistoric period through the late Middle Ages, in relation to the political, social, economic, and religious forces that have shaped Western cultures.

COMM 101 – Introduction to Communications, Media, and Culture

Required of communications media majors. An introduction to the evolution, status, and future of communications media. Explores intrapersonal communication through self-assessment, values clarification, and feedback; interpersonal communication through interviews,

observations, case studies, and gaming; and mass communications through the examination of the processes and the technology utilized to disseminate and manage information. Career paths, field applications, professional associations, and the primary literature are investigated.

COSC 101-Computer Literacy/IFMG 101 Computer Literacy

An introductory course providing fundamental understanding of computers. Familiarizes students with the interaction of computer hardware and software. Emphasizes the application of microcomputers, the use of productivity software (word processing, spreadsheet management, file and database management, presentation graphics, web browsers, search strategies, and e-mail), and the social and ethical aspects of the impact of computers on society. (Does not count toward computer science major.) Note: cross-listed as BTED/**IFMG 101**. Any of these courses may be substituted for each other and may be used interchangeably for D/F repeats but may not be counted for duplicate credit.

ECON 122 – Principles of Microeconomics

Economics of firm; theory of consumer demand; determination of price and output in different market structures; distribution of income; economic growth.

FDNT 145 – Personal Nutrition

Encourages students to practice and adopt food behavioral choices that can be applied to everyday life. Evidence-based information concerning weight control, nutrients, diseases, and lifecycle nutrition is presented. Appropriate for students who are not nutrition majors or minors. (Titled Introduction to Nutrition before 2014-15.)

THTR 132-Introduction to Acting

Introduces the art and craft of the theater from the actor's point of view. Through practical application, students develop personal and professional skills that enhance oral communication, self-presentation, and self-confidence. Students also develop the ability to respond knowledgeably to theatrical productions as an audience member

Free Electives:

ARHI 207- Renaissance through Modern Art

Studies art from the Renaissance through the Modern periods in western Europe in light of historical events and in the broader context of political, philosophical, religious, and social developments, including women and underrepresented groups as subjects, creators, and patrons of the arts. Issues of exoticism, Orientalism, and colonialism are discussed.

BIOL 105-Cell Biology

Introduces concepts and applications for understanding human biological function from the point of view of cellular biology.

GEOG 105- Our Digital Earth: Mobile Devices, Web Applications, and Geospatial Technology

An overview of evolving geographically enabled (geospatial) technologies and applications and explores the wide-ranging impacts of geospatial technology on human decision-making, perceptions, and society. Covers location-based services, including personal navigation, global positioning systems (GPS), web-based mapping services, and social networks with real-time location information commonly found on personal mobile devices such as phones, tablets, and personal computers. Explores the technologies and societal implications of our digital planet with particular focus on the geospatial technologies that make geographically enabled mobile and web applications possible.

THTR 111-Foundations of Theater

A primary course for those engaged in theater and any other performance-related area so as to define the nature of theater art, develop one's own individual system of analysis, and finally acquire an understanding of process, dramatic structure, composition, genre, theatrical styles, and a theory of performance.

THTR 116-Fundamentals of Theatrical Design

Introduces the fundamentals of scene, costume, lighting, and sound design for theater and dance. Focuses on creative processes used by designers to make choices. Topics include script analysis, director and designer communication, and the integration of the design elements into a unified production.

THTR 131-Stage Movement

Instruction in basic stage movement and the visualization of character. Includes work in character development through variety in movement, introductory work in juggling, stage combat, and mime, and the assessment, awareness, and correction of individual movement problems.

Foreign Language Electives:

CHIN 101-Elementary Chinese I- 4 credits

For beginning students. Introduces the Chinese language, with attention focused on the three modes of communication: interpretive listening and reading, interpersonal speaking and writing, and presentational speaking and writing. Students learn pronunciation, fundamental grammatical patterns, and how to write approximately 250 characters. Also imparts knowledge of Chinese culture and society. Attendance is

required. May not register for or take a D/F repeat in CHIN 101 when credit has already been received for a higher-numbered Chinese course.

Chin 102-Elementary Chinese II-4 credits (liberal studies elective)

Prerequisite: [CHIN 101](#)

A continuation of Elementary Chinese I, focusing on the three modes of communication—interpretive listening and reading, interpersonal speaking and writing, and presentational speaking and writing—to build proficiency in using the Chinese language in real-life situations. Also imparts knowledge of Chinese culture and society. Attendance is required. May not register for or take a D/F repeat in CHIN 102 when credit has already been received for a higher-numbered Chinese course.

Chin 201-Intermediate Chinese-4 credits (liberal studies elective)

Prerequisite: [CHIN 102](#)

A continuation of previous work on the three modes of communication: interpretive listening and reading, interpersonal speaking and writing, and presentational speaking and writing, so that students can function in everyday situations. Also imparts knowledge of Chinese culture and society. Liberal Studies credit is given. Attendance is required. May not register for or take a D/F repeat in CHIN 201 when credit has already been received for a higher-numbered Chinese course.

FRNC 101-Basic French I*- 4 credits

Prerequisite: [Appropriate score on the placement test \(WebCAPE score between 0 and 285\)](#)

For beginning students. Not open to native speakers, except by special permission of department. Students must achieve an appropriate placement test score to enroll (score between 0 and 285). Special focus on aural/oral skills. Students learn in a multimedia environment. Students converse and ask questions in simple present tense. They become acquainted with elements of daily lives of native speakers of French around the world. Attendance is mandatory. May not register for, or take a D/F repeat in, FRNC 101 when credit has already been received for a higher-numbered French course.

FRNC 102-Basic French II*-4 credits (liberal studies elective)

Prerequisite: [FRNC 101](#), or qualifying score on the WebCAPE placement test (286-362), or instructor permission

For beginning students. Students must achieve an appropriate placement test score to enroll (score between 286 and 362). Special focus on aural/oral skills. Students learn in a multimedia environment. Students converse and ask questions in simple present tense. They can now express commands and directions and are introduced to the expression of punctual actions in the past. They further investigate the daily lives of native speakers of French around the world. Attendance is mandatory. May not register for, or take a D/F repeat in, FRNC 102 when credit has already been received for a higher-numbered French course.

FRNC 201-Intermediate French*-4 credits (liberal studies elective)

Prerequisite: [FRNC 102](#), or qualifying score on the WebCAPE placement test (score above 362), or instructor permission

Continued study of French; development of listening, reading, speaking, and writing, but primary emphasis is on aural/oral skills. Students use a multimedia environment to learn to converse and ask questions in the past. Students learn the different way to express completed action that occurred at a specific time in the past vs. expressing an action that continued in the past over an indefinite, undetermined period of time; students review how to narrate and describe in the past, ask and give directions, talk about the future, avoid repetitions, learn to combine simple sentences, express and understand conditional sentences, express and understand subjective statements, and understand indirect discourse. Through the use of multimedia, students continue their inquiries into the daily lives of native speakers of French around the world. Attendance is mandatory. May not register for, or take a D/F repeat in, FRNC 201 when credit has already been received for a higher-numbered French course. Liberal Studies Humanities credit is given for this course.

GRMN 101-Elementary German I- 4 credits

For beginning students. Introduction to the German language emphasizing communication through reading, writing, speaking, and listening. Focus on pronunciation and basic grammatical concepts to enable students to communicate in the present tense in a range of situations. They will be able to negotiate a limited number of personal needs and handle basic social interactions related to their daily lives. They become acquainted with a variety of cultural aspects of German-speaking countries. Attendance is required. May not register for or take a D/F repeat in GRMN 101 when credit has already been received for a higher-numbered German course.

GRMN 102-Elementary German II*- 4 credits (liberal studies elective)

Prerequisite: [GRMN 101](#) or equivalent

A continuation of [GRMN 101](#). Emphasizing communication through reading, writing, speaking, and listening. Focus on pronunciation and expansion of grammatical concepts to enable students to communicate in present, past, and future tenses in a variety of situations. Students will be able to negotiate a limited number of personal needs, handle a range of interactions related to their daily lives, and manage simple social transactions. They expand their cultural knowledge of German-speaking countries. Attendance is required. Liberal Studies credit is given. May not register for or take a D/F repeat in GRMN 102 when credit has already been received for a higher-numbered German course.

GRMN 201-Intermediate German*-4 credits (liberal studies elective)

Prerequisite: [GRMN 102](#) or equivalent

A continuation of [GRMN 102](#). Emphasizing communication through reading, writing, speaking, and listening. Focus on pronunciation and expansion of grammatical concepts to enable students to communicate in present, past, and future tenses in a variety of situations. Students will be able to negotiate an increasing number of personal needs, handle a range of interactions related to their daily lives, and manage simple social situations and transactions. They expand their cultural knowledge of German-speaking countries. Attendance is required. Liberal Studies credit is given.

SPAN 101-Elementary Spanish I-4 credits

For beginning students. The primary emphasis is on aural/oral skills. Students learn to converse and ask questions in simple present time and become acquainted with location of Hispanic populations and elements of their daily lives. Attendance is required. May not register for or take a D/F repeat in SPAN 101 when credit has already been received for a higher-numbered Spanish course.

SPAN 102-Elementary Spanish II*-4 credits (liberal studies elective)

Prerequisite: [SPAN 101](#), or the equivalent as established by departmental placement examination.

A continuation of [SPAN 101](#). Students learn to express past and future time and continue to learn about Hispanic countries and their cultures. Liberal Studies credit is given. Attendance is required. May not register for or take a D/F repeat in SPAN 102 when credit has already been received for a higher-numbered course.

SPAN 201-Intermediate Spanish*-4 credits (liberal studies elective)

Prerequisite: [SPAN 102](#), or the equivalent as established by departmental placement examination.

A continuation of previous work on listening, speaking, reading, and writing skills. Students learn to function in everyday situations, expressing opinions and doubts, and narrating and describing in present, past, and future time. Exposure to cultural concepts through literary readings. Liberal Studies credit is given. Attendance is required. No student is allowed to register for or take a D/F repeat in SPAN 201 when credit has already been received for a higher numbered Spanish course.