

General Education Program

Area I - Communication and Mathematical Skills

12 Hours

Area I requirements help students enhance abilities central to academic success, including the abilities to write appropriate academic conventions and to formulate and interpret mathematical models.

English Composition I and II

ENG 101-4 *Academic Writing and Reading*

Introduces students to principles of effective written communication and critical reading. Stresses invention, drafting, revising, editing, and self-assessment, along with effective critiquing and collaborating.

ENG 102-4 *Writing in Academic Discourse*

Adapts principles introduced in ENG 101 to typical university writing tasks. Stresses writing effectively within various contexts, reading critically, and using source materials effectively in argumentative and research writing. Prerequisite: Grade of "C" or better in ENG 101.

Mathematics* (RS)

MTH 145-4* *Mathematics and the Modern World*

An application of mathematics to modeling real world problems that combines critical thinking and mathematical skills in a way which applies to life and career. Includes such topics as financial management, quantitative and statistical reasoning, voting theory, and other topics from the behavioral and natural sciences. Prerequisite: DEV 095 or equivalent or at least level three on the math placement test.

* *Substitutions:* MTH 143 or MTH 228 or MTH 229 and 230 or STT 264 and 265 or STT 160.

MTH 143-4 *Quantitative Reasoning*

Discovery of fundamental concepts and skills of quantitative reasoning by exploring real-world data from many disciplines. Data collection, organization, display, analysis, probability simulation, variation and sampling, and expected values. Students work with appropriate software and graphing calculators. Prerequisites: MTH 126 or MTH 127 or at least level four on the math placement test.

MTH 228-5 *Calculus for the Management, Life, and Social Sciences*

Functions, rates of change, limits, derivatives of algebraic functions, applications including maxima and minima, exponential and logarithmic functions, and indefinite and definite integrals with applications. Not for credit to students with credit for MTH 229 and 230. Prerequisite: MTH 128 or 129 or equivalent or at least level five on math placement test.

MTH 229-5 *Calculus I*

Conic sections, functions, limits, continuity, the derivative, derivatives of algebraic and trigonometric functions, and applications of the derivatives. Prerequisite: MTH 131 or equivalent or at least level seven on math placement test

MTH 230-5 *Calculus II*

Definite integral, antiderivatives, fundamental theorem of calculus. Derivatives of logarithmic, exponential, and inverse trigonometric functions. L'Hôpital's rule. Integration techniques. Applications of the definite integral. Prerequisite: MTH 229.

STT 264-4 *Elementary Statistics I*

Numerical and graphical methods for finding and summarizing important features of data. Principles of designing experiments for collecting data. Introduction to probability. Use of statistical computing package to apply methods and illustrate concepts. Prerequisite: MTH 126 or 127 or equivalent or at least level four on math placement test.

STT 265-4 *Elementary Statistics II*

Confidence intervals and hypothesis testing introduction. Applications to means, proportions, two-sample comparisons, contingency tables, linear regression, and analysis of variance. Use of statistical computing package to apply methods to data sets. Prerequisite: STT 264.

STT 160-5 *Statistical Concepts*

A nontechnical introduction to fundamental ideas in statistics. Statistical ideas are introduced through examples, showing how statistics has helped solve major problems in various fields. Prerequisite: MTH 126 or 127 or equivalent or at least level four on math placement test.

Area II - Cultural-Social Foundations

8 Hours Minimum

Select one course from each category:

Area II requirements help students develop a historical perspective on their own culture, an understanding of cultures beyond their own and an awareness of the realities of global interdependence.

History (RS)

CLS 150-4 *Introduction to Greek and Roman Culture*

Survey of the development of classical culture from prehistoric Greece to the fall of the Roman Empire. A broad view of the interrelated political, economic, and social conditions, and philosophy, religion, mythology, literature, art, and architecture.

HST 101-4 *Ancient and Medieval Europe*

An examination of the character of the premodern world from prehistory through the 14th century, with special attention to those aspects of ancient and medieval life that had the greatest effect on the development of Western society, politics, and culture.

HST 102-4 *Early Modern Europe: The 14th through 18th Centuries*

An examination of the roots of the modern Western world emphasizing the revolution in economic, political, religious, and demographic realities that occurred between the 14th and the 18th centuries.

HST 103-4 *Modern Europe: The 19th-20th Centuries*

An examination of the nature and consequences of modernization—its failures, accomplishments, and problems, with special attention to the phenomena that shaped the Western world of the 19th and 20th centuries.

The Non-Western World (WI)

CSE 250-4 *Comparative Non-Western Economic Systems*

A comparison of the economic systems in Asia, Africa, Latin America, and the Middle East with the Western system with which most students are familiar; emphasis on developing and socialistic economies and on contemporary problems, including technological change and resource development.

CST 221-4 *Comparative Non-Western Environments*

An examination of distinctive environments of Asia and Africa through analysis of the geographic patterns of land use, population, settlements, economic activities, languages, religions, and political systems.

CST 231-4 *Comparative Non-Western Literature*

An examination of the world views of selected non-Western peoples and their varied expressions in literature and religion, emphasizing examples from Asia, Africa, Latin America, and the Middle East.

CST 232-4 *Comparative Non-Western Religions*

An introduction to academic study of some of the major non-Western religious traditions of the world, examining their historical development, fundamental doctrines and beliefs, practices, institutions, and cultural expressions.

CST 241-4 *Comparative Non-Western Cultures*

Examines diversity from an anthropological perspective, utilizing concepts and methods of cultural anthropology. Students will use a holistic approach to analyzing non-Western cultures while gaining understanding of the distinctive research methods of cultural anthropology.

CST 242-4 *Comparative Non-Western Cultures: Music*

Introduction to the music and cultural diversity and uniqueness of selected areas of the globe. This course includes the study of indigenous folk music and instruments of Asia, India, Africa, North America, Central and Southeast Europe.

CST 243-4 *Comparative Non-Western Cultures: Art*

An introduction to the cultural diversity and uniqueness of selected areas of Asia, Africa, Latin America, and the Middle East as reflected in art.

CST 251-4 *Comparative Non-Western Social Systems*

An examination of political processes and economic systems in Asia, Africa, Latin America, and the Middle East with special attention to contemporary issues.

HLT 202-4 *Eastern Influences on Western Health*

An explanation of the cultures of the Eastern world and their influence on health care practices in the west.

RSE 260-4 *Regional Economic Studies: Pacific Rim*

Introduction to the economic and political development of East Asia and the Pacific Islands and their role in the global economy.

RST 261-4 *Regional Studies: Japan*

Examines the development of Japanese civilization, covering such topics as the cultural and physical geography, the economic and political institutions, traditions and their effects on behavior, appreciation of nature as well as the visual and performing arts.

RST 262-4 *Regional Studies: China*

Introduction to the historical, cultural, economic, and political reality of the world's most populous country, highlighting the cultural contributions of China's rich history, not only in the creation of modern Chinese culture but its impact on other cultures.

RST 271-4 *Regional Studies: Africa*

An introduction to African environments, diversity of cultural heritages, changes due to modernization, colonialism, slavery, and independence with a brief survey of the relations of Africa to other non-Western regions and the contributions of Africa to world civilization.

RST 281-4 *Regional Studies: Latin America*

A survey of non-Western societies, including Indians, mestizos, blacks, and the peasantry, from pre-Columbian and African origins to the present, in terms of ideology, organization, social structure, culture, and economic activities.

RST 291-4 *Regional Studies: The Middle East*

An introduction to the history, peoples, cultures, and geography of the Middle East, from Mauritania to Pakistan, from the seventh century to the present.

SW 272-4 *Cultural Competence in a Diverse World*

Introduction to the knowledge, skills and process required to develop cultural competency. Content covers the historical development of discrimination and the need for cultural competency within the U.S. and international communities.

URS 200-4 *Growth and Change in Urban Society*

An interdisciplinary view of growth and change in urban societies around the globe. Case studies illustrate how urbanization, technology development and the administrative state intertwine and affect economic and population growth and change.

Area III - Human Behavior (RS)

8 Hours Minimum

Select two courses from different categories:

Area III requirements help students develop the skills to examine critically the complexity of human behavior and institutions through systematic analysis.

Economics (WI)

EC 200-04* *Economic Life* (some sections are WI)

An introduction to basic economic concepts such as resource allocation, costs, supply, demand, and public goods; topics covered include American capitalism, market failures, unemployment, and taxation.

EC 290-04 *Economic, Business, and Social Issues*

Analyzes controversy and diversity of opinions regarding economic, business, and social issues shaping the world in which we live. Fosters critical thinking, verbal, and written communication skills through discussion, debate, and writing.

* *Sequence substitution:* EC 204 and 205 (neither is WI).

EC 204-4 *Principles of Microeconomics*

Fundamental economic principles as an aid in understanding modern society. Introduction to Microeconomics.

EC 205-4 *Principles of Macroeconomics*

Fundamental economic principles as an aid in understanding modern society. Introduction to Macroeconomics.

Political Science

PLS 200-4 *Political Life*

An examination of political power relationships in contemporary society, emphasizing the origins and forms of power and the key social structures exercising power with contemporary public issues providing case studies of the consequences of political relationships.

Psychology

PSY 105-4 *Psychology: The Science of Behavior*

Considerations of the causes of behavior. Includes physiological processes; learning, memory, and processing of information; perceptual, cognitive, and social changes from birth to old age; and individual differences in thoughts, feeling, and actions.

Sociology (WI)

SOC 200-4 *Social Life*

An introduction to the processes through which individuals become members of groups, organizations, institutions, and societies, and how human social interactions lead to changes in social life and structures.

SOC 205-4 *The Sociological Imagination*

Students will examine a variety of approaches and perspectives that systematically analyze complex individual and institutional behaviors as they vary culturally, subculturally, and cross-culturally.

WMS 200-4 *Approaches to Women's Studies*

Introduces students to feminist thought, advocacy, and activism to acquaint students with the diversity of the subject area. Students will investigate why it is important to study women and use gender as a category of analysis.

Substitution: Honors course UH 202 for any one Area III course.

UH 202-4 *Studies in the Social Sciences*

Explores the social sciences comparatively, stressing similarities and differences in themes, methods, materials, theoretical constructs, and problems. Focuses on such topics as people and groups or institutions and bureaucracies.

Area IV - Human Expression (RS)

4 Hours Minimum

Select one course:

Area IV requirements will help students develop an intellectual and aesthetic appreciation of significant artistic works and of important literary, religious, and philosophical texts. Students will explore how such works express both personal vision and cultural concerns. They will also examine the specific means writers, composers and creative and performing artists adopt to communicate with their audience.

Great Books (WI)

CLS 204-4 *Great Books: Classical Beginnings*

Reading, discussion, analysis of selected texts from ancient Greece and Rome; for example, the works of Homer, Sophocles, Plato, Virgil, Cicero, Horace.

ENG 204-4 *Great Books: Literature*

Introduction to interpreting literature, using works from various periods and cultures, viewed in their social and historical contexts and read for their enduring interest.

PHL 204-4 *Great Books: Philosophy*

Introduction to selected great books in the history of philosophy. Texts are examined as an exercise in critical thinking and within their historical and cultural frameworks.

REL 204-4 *Great Books: Religion*

A study of selected Biblical writings viewed in their original cultural contexts and chosen to reflect the varieties of Biblical literature, the Bible's relationship to various societies, and its role in the development of Western culture.

Fine and Performing Arts

ART 214-4 *Visual Art in Western Culture*

A general introduction to the visual arts focusing on selected major works of art throughout history. Discusses comparisons across time, basic art media, and the formal characteristics of art.

MUS 214-4* *Music in Western Culture*

An introduction to the music of Western culture from the Middle Ages to the present. Emphasis on listening skills; elements of music; major styles, genres, and composers; and cultural context.

MUS 290-4 (WI) *African American Music: America and Beyond*

Survey of the development of African American music from an historical, sociological and economic perspective. Included will be an analysis of the genres, influences, and impact on American and world culture.

TH 214-4 *The Theatre in Western Culture*

An introduction to the many arts of the theatre, including the role of the actor, playwright, director, designer, critic, and audience. Selected scripts from representative historical periods are examined as an aid in understanding the theatrical event.

* *Sequence substitution:* MUS 121 and 122.

MUS 121-2 *Foundations of Analytical Listening*

Aural analysis taught via musical examples from various periods and cultures including non-Western and popular music.

MUS 121-2 *Survey of Musical Styles*

Principal types of Western music from ca. A.D. 500 to the present. Aural analysis: forms and styles. Prerequisite: MUS 121.

Area Substitution: Honors course UH 201 (WI) for Area IV.

UH 201-4 *Studies in the Humanities*

Explores the humanities comparatively, stressing similarities and differences in themes, methods, materials, theoretical constructs, and problems. Focuses on such topics as humanity and freedom or the city and the individual.

Additional Courses from Areas II, III, and IV

8 Hours

This component provides students the opportunity for in depth study and thus the opportunity to strengthen understanding and competencies in two of three areas.

Select additional courses from Areas II, III, or IV, one course from two of these three areas. Except for Area II, the course selected must come from a different subcategory than the course(s) chosen to meet the area requirement.

Area V - Natural Sciences (RS)

12 Hours

Select three courses (lecture and lab):

At least one must be WI (some section offerings are WI)

Area V courses emphasize scientific inquiry as a way to discover the natural world, and they explore fundamental issues of science and technology in human society.

Biology*

BIO 105-4 *Introductory Biology: Food*

Biological principles applied to the nature of food, its production, and use in the human body. Topics include molecular biology, photosynthesis, respiration, digestion, nutrition, agricultural ecosystems, issues of feeding a rapidly growing human population. 3 hours lecture, 2 hours lab.

BIO 106-4 *Introductory Biology: Biodiversity*

Biological principles and processes applied to the origin, interaction, and extinction of species. Laboratory and lab topics include paleobiology, speciation, macroevolution, adaptive radiation, symbiosis, biogeography, and the scientific management of modern biological resources. 3 hours lecture, 2 hours lab.

BIO 107-4 *Introductory Biology: Disease*

Biological principles applied to the study of disease: causes, controls, and natural defense against infection. Topics include microscopy, pathology, antibiotics, immunology, and epidemiology with historical perspectives and an emphasis on investigative techniques. 3 hours lecture, 2 hours lab.

* Sequence substitution: BIO 111, 112, and 115.

BIO 111-4 *Principles of Biology: Human Biology*

Introduction to basic concepts of biology. Emphasis on the anatomical and physiological organization of the human body, including applications to wellness, disease and aging. Three hours lecture, two hours lab.

BIO 112-4 *Principles of Biology: Cell Biology and Genetics*

Introduction to basic concepts of biology. Topics include genetics and the molecular and cellular basis for the unit of life. Three hours lecture, two hours lab. Prerequisite: Level four on math placement test required.

BIO 115-4 *Principles of Biology: Diversity and Ecology*

Introduction to basic concepts of biology. Topics include evolution, ecology, and the diversity of life. Three hours lecture, two hours lab. Prerequisite: BIO 112.

Chemistry*

CHM 105-4 *Chemistry of Our World: Living Things*

An examination of the principles of covalent bonding and of the structures and reactions of molecules of importance to living things, with attention to the technological, regulatory, and social complexities of problems related to them. 3 hours lecture, 2 hours lab.

CHM 106-4 *Chemistry of Our World: Materials*

An examination of the bonding of metals and nonmetals to explain the nature of familiar materials of industrial importance with some attention to the risk-benefit implications of these materials and technologies for consumers. 3 hours lecture, 2 hours lab.

CHM 107-4 *Chemistry of Our World: Energy and the Environment*

An examination of the gaseous and liquid states and thermochemistry as a basis for understanding air and water quality, and fossil and nuclear fuels with some attention to the chemistry of the solar system. 3 hours lecture, 2 hours lab.

* Sequence substitution: CHM 121,122, and 123; or CHM 102 and ANT 201 and 202.

CHM 121-5 *Submicroscopic Chemistry*

Structure and properties of atoms and molecules and the macroscopic consequences thereof. Three hours lecture, three hours lab, one hour recitation. Prerequisite: High school chemistry or CHM 101; and MTH 127 or level four on math placement test.

CHM 122-5 *Macroscopic Chemistry*

Physical and chemical behavior of large collections of atoms and molecules. Three hours lecture, three hours lab, one hour recitation. Prerequisite: CHM 121.

CHM 123-5 *Reaction Dynamics*

Quantitative aspects of chemistry; emphasis on computational and experimental estimation of the composition of chemical systems. Three hours lecture, three hours lab, one hour recitation. Prerequisite: CHM 122; MTH 128 or 129 or level five on math placement test.

CHM 102-4.5 *Elementary Organic Chemistry with Applications*

An elementary discussion of the structure of hydrocarbons, organic functional groups, and a few selected reactions. Three hours lecture, three hours lab. Prerequisite: CHM 101 or 121.

ANT 201-4 *Basic Human Anatomy I*

Osteology: histology of basic tissues; and topographical, histological, and developmental anatomy of nervous and endocrine systems. Laboratory exercises use human materials. 2.5 hours lecture, three hours lab.

ANT 202-4 *Basic Human Anatomy II*

Basic topographical, histological, and developmental anatomy of the muscular, cardiovascular, digestive, respiratory, urinary, and reproductive systems. Laboratory exercises use human materials. 2.5 hours lecture, three hours lab.

Geology*

GL 105-4 *The Planet Earth*

Introduction to the composition and structure of the earth through a study of the physical and chemical processes (weathering, sedimentation, and the plate tectonic cycle) that have produced the earth, its minerals, rocks, landforms and economic deposits. 3 hours lecture, 2 hours lab.

GL 106-4 *The Evolving Earth*

Exploration of time in geology through a study of the history of the earth and of life as revealed by the physical and biological evidence recorded in the rocks. 3 hours lecture, 2 hours lab.

GL 107-4 *The Earth and Human Affairs*

Examination of the interactions of humans with the earth in terms of geological hazards and natural resources. Also offered as Geologic Development of Ohio: Rocks, Fossils, and Resources, a field course emphasizing the geology of Ohio. 3 hours lecture, 2 hours lab.

* *Sequence substitutions:* GL 251/252, 253/254, and 255/256.

GL 251-3 *Physical Geology and Geomorphology I*

Comprehensive treatment of the dynamic systems and materials of the earth. External processes and resulting land forces are also studied. Corequisite: GL 252.

GL 252-1.5 *Physical Geology and Geomorphology Laboratory I*

Laboratory for mineral and rock identification in hand specimens. Corequisite: GL 251.

GL 253-3 *Physical Geology and Geomorphology II*

Comprehensive treatment of external and internal processes of the earth and the resulting landforms. Introduction to earth resources and other earth-like planets. Prerequisite: GL 251, 252.

GL 254-1.5 *Physical Geology and Geomorphology Laboratory II*

Laboratory for topographic and geologic map and geologic cross sections interpretation to recognize geological structures and their relation to geomorphology and landforms. Prerequisite: GL 251, 252, Corequisite: GL 253.

GL 255-3 *Historical Geology*

History of the earth, including geologic history of all of earth's continents. Review of origin of earth, development of the rock record, evolution of diverse life forms to produce a biological and physical history of the earth.

GL 256-1.5 *Historical Geology Laboratory*

Introduction to the fossil record, stratigraphic correlation, and the interpretation of simple geologic maps. Corequisite: GL 255.

Physics*

PHY 105-3 *Sounds and Colors*

A study of wave motion with an orientation toward phenomena experienced by our senses, such as musical sounds, noise, and the colors occurring in nature. Concurrent registration in PHY 115 required.

PHY 115-1 *Sounds and Colors Laboratory*

Experiments to illustrate the physical aspects of what we see and hear. Lab component of PHY 105 for students using the course to meet the General Education science requirement.

PHY 106-3 *Planetary Astronomy*

Introduction to astronomy with emphasis on the solar system. Topics include the earth-moon system, other planets and their satellites, space exploration, and theories for the origin of the solar system. Concurrent registration in PHY 116 required.

PHY 116-1 *Planetary Astronomy Laboratory*

Astronomical observations and experiments. Laboratory component of PHY 106 for students using the course to meet the General Education science requirement.

PHY 107-3 *Stars, Galaxies, and the Cosmos*

An introduction to astronomy with emphasis on the universe of stars and galaxies and covering stellar evolution, astrophysics, and cosmology. Concurrent registration in PHY 117 required.

PHY 117-1 *Stars, Galaxies, and the Cosmos Laboratory*

Astronomical observations and measurements, laboratory experiments, and a visit to a planetarium. Lab component of PHY 107 for students using the course to meet the General Education science requirement.

* *Sequence substitutions:* PHY 111/101, 112/102, and 113/103 or PHY 240/200, 242/202, and 244/204.

PHY 111-4 *Principles of Physics*

Introduction to fundamental phenomena, principles, and laws of physics. Prerequisite: MTH 128 or 129, or equivalent. Corequisite: PHY 101.

PHY 101-1 *Principles of Physics Laboratory*

Introductory-level laboratory problems. Corequisite: PHY 111.

PHY 112-4 *Principles of Physics*

Introduction to fundamental phenomena, principles, and laws of physics. Prerequisite: PHY 111. Corequisite: PHY 102.

PHY 102-1 *Principles of Physics Laboratory*

Introductory-level laboratory problems. Corequisite: PHY 112.

PHY 113-4 *Principles of Physics*

Introduction to fundamental phenomena, principles, and laws of physics. Prerequisite: PHY 112. Corequisite: PHY 103.

PHY 103-1 *Principles of Physics Laboratory*

Introductory-level laboratory problems. Corequisite: PHY 113.

PHY 240-4 General Physics

Introductory survey of mechanics for science and engineering students. Introduces the use of calculus in interpreting physical phenomena. Topics include vectors, kinematics, dynamics, energy, momentum, rotation, and statics. Three hours lecture, one hour recitation. Prerequisite: MTH 229 or permission of department; Corequisite: PHY 200, MTH 230.

PHY 200-1 General Physics Laboratory

Introductory physics laboratory problems in mechanics. Corequisite: PHY 240.

PHY 242-4 General Physics

Introductory survey of electricity and magnetism. Uses calculus in interpreting physical phenomena. Topics include electric field and potential, currents, DC circuits, magnetic fields, and Faraday's law. Three hours lecture, one hour recitation. Prerequisite: PHY 240, MTH 230. Corequisite: PHY 202.

PHY 202-1 General Physics Laboratory

Introductory physics laboratory problems in electricity and magnetism. Corequisite: PHY 242.

PHY 244-5 General Physics

Introductory survey of thermodynamics, oscillations and waves, sounds, fluids, gravity, and optics. Calculus is required in interpreting physical phenomena. Prerequisite: PHY 240 and MTH 230; or permission of department. Corequisite: PHY 204.

PHY 204-1 General Physics Laboratory

Introductory physics laboratory problems in heat, sound, mechanics, and optics. Prerequisite: PHY 240 and 200. Corequisite: PHY 244.

Substitution: Honors course UH 203 for any one Area V course, but not for a program science requirement.

UH 203-4 Studies in the Natural Sciences

Varying topics or issues in the natural sciences approached in an interdisciplinary framework. Course permits intensive coverage of subject matter while also focusing on the interrelationships of the natural scientific disciplines.

Additional Area V sequence substitutions: BIO 345, CHM 245 or 246, GL 345 and PHY 245 or 246; BIO 107, HPR 250, and HPR 251.

BIO 345-4.5 Concepts in Biology

An accelerated treatment of fundamental concepts and applications of biology for Elementary Education majors. Topics and activities organized specifically to prepare students for science teaching at levels K-8. For elementary education majors only. Integrated lecture/lab. Prerequisite: PHY 245, CHM 245.

CHM 245-4.5 Concepts in Chemistry

An accelerated treatment of fundamental concepts and applications of chemistry for elementary education majors. Those concrete observable topics most appropriate for presentation to elementary and middle school students will be emphasized. Demonstrations and activities are used extensively. Integrated lecture/lab. Prerequisite: MTH 143.

CHM 246-4.5 Concepts in Chemistry II

Fundamental concepts of chemistry for middle childhood science education majors emphasizing topic most appropriate for presentation to middle school students. Course includes a detailed study of heat energy. Prerequisite: MTH 143.

GL 345-4.5 Concepts in Geology

Accelerated treatment of principles of physical and historical geology pertinent to teaching students in grade school (K-8). Includes laboratory exercises that will be effective for teaching K-8 students and can be used in a self-contained classroom. Prerequisite: PHY 245, CHM 245.

PHY 245-4.5 Concepts in Physics

An accelerated treatment of fundamental concepts and applications of physics for elementary education majors. Practical observable topics appropriate for presentation to elementary and middle school students will be emphasized. Includes laboratory experiences, demonstrations, and projects. Prerequisite: MTH 143, ENG 102, SM 145.

PHY 246-4.5 Concepts and Applications in Physics I

Basic concepts and everyday applications of physics topics including motion, forces and energy. Topics are integrated with Mathematics. Prerequisite: SM 145 AND MTH 143.

BIO 107-4 Introductory Biology: Disease

Biological principles applied to the study of disease: causes, controls, and natural defense against infection. Topics include microscopy, pathology, antibiotics, immunology, and epidemiology with historical perspectives and an emphasis on investigative techniques. 3 hours lecture, 2 hours lab.

HPR 250-4 Basics of Anatomy and Physiology

A study of anatomy and physiology correlating both structure and function of the human body. Topics include organization, skeletal system, muscular system, nervous system, circulatory system, and endocrine system. Three hours lecture, two hours lab.

HPR 251-4 Basics of Anatomy and Physiology

A continuation of HPR 250. Topics include respiration, exercise, digestion, metabolism, urinary system, acid base balance, reproduction, and immune system. Prerequisite: HPR 250.

Area VI - College Component (RS; WI; T)

4 Hours

Select one course specific to the college of your major:

Area VI requirements link general education more closely with study in the major, thereby making more apparent the applicability and transferability of general competencies to specialized study.

College of Education and Human Services

CNL 210-4 *Understanding Emotional Intelligence*

This course explores the topic of emotional intelligence and its relevance to I.Q. The course will focus on the benefits of emotional intelligence and its application to education of youth.

ED 210-4 *Education in a Democracy*

This course explores the role and relationship of education in a democracy to concepts of a civil society, social justice, access to knowledge, and development of democratic character in the young.

RHB 210-4 *Introduction to Alcohol and Drugs*

This course explores concepts, social policy, and approaches related to alcohol and drug use including the addiction process, costs of abuse to the individual, family and society, and successful approaches for dealing with abuse.

College of Engineering and Computer Science*

EGR 190-4 *Fundamentals of Engineering and Computer Science*

Provides a practical exposure to important applications and hands-on laboratory experience to give students an introduction to computer science and engineering. Teamwork and problem solving are emphasized.

* Required of students admitted to this college with 45 or fewer quarter hours; students admitted with more hours must select another Area VI course approved by the department advisor.

College of Liberal Arts

AFS 200-4 *What is African and African American Experience?*

A historical and methodological analysis of both African histories and cultures and the history of the diaspora struggles of persons of African descent to create a life and distinct culture among world civilizations.

ATH 241-4 *Introduction to Physical Anthropology*

An overview of human biology and behavior, including human evolution, primate behavior, and human physical variation.

ATH 242-4 *Introduction to Archaeology*

Introduction to the nature of archaeological data, techniques of archaeological dating, and methods of data collection, analysis, and interpretation.

CSE 250-4 *Comparative Non-Western Economic Systems*

A comparison of the economic systems in Asia, Africa, Latin America, and the Middle East with the Western system with which most students are familiar; emphasis on developing and socialistic economies and on contemporary problems, including technological change and resource development.

CLS 204-4 *Great Books: Classical Beginnings*

Reading, discussion, analysis of selected texts from ancient Greece and Rome; for example, the works of Homer, Sophocles, Plato, Virgil, Cicero, Horace.

CLS 260-4 *Introduction to Classical Mythology*

Survey of the myths and legends of ancient Greece and Rome that are an important part of the Western literary and cultural tradition. Emphasis on story patterns and characters.

CST 221-4 *Comparative Non-Western Environments*

An examination of distinctive environments of Asia and Africa through analysis of the geographic patterns of land use, population, settlements, economic activities, languages, religions, and political systems.

CST 231-4 *Comparative Non-Western Literature*

An examination of the world views of selected non-Western peoples and their varied expressions in literature and religion, emphasizing examples from Asia, Africa, Latin America, and the Middle East.

CST 232-4 *Comparative Non-Western Religions*

An introduction to academic study of some of the major non-Western religious traditions of the world, examining their historical development, fundamental doctrines and beliefs, practices, institutions, and cultural expressions.

CST 241-4 *Comparative Non-Western Cultures*

Examines diversity from an anthropological perspective, utilizing concepts and methods of cultural anthropology. Students will use a holistic approach to analyzing non-Western cultures while gaining understanding of the distinctive research methods of cultural anthropology.

CST 242-4 *Comparative Non-Western Cultures: Music*

Introduction to the music and cultural diversity and uniqueness of selected areas of the globe. This course includes the study of indigenous folk music and instruments of Asia, India, Africa, North America, Central and Southeast Europe.

CST 243-4 *Comparative Non-Western Cultures: Art*

An introduction to the cultural diversity and uniqueness of selected areas of Asia, Africa, Latin America, and the Middle East as reflected in art.

CST 251-4 *Comparative Non-Western Social Systems*

An examination of political processes and economic systems in Asia, Africa, Latin America, and the Middle East with special attention to contemporary issues.

EC 290-04 *Economic, Business, and Social Issues*

Analyzes controversy and diversity of opinions regarding economic, business, and social issues shaping the world in which we live. Fosters critical thinking, verbal, and written communication skills through discussion, debate, and writing.

ENG 204-4 *Great Books: Literature*

Introduction to interpreting literature, using works from various periods and cultures, viewed in their social and historical contexts and read for their enduring interest.

HST 200-4 *Western Europe and Non-Western World*

This course examines the social, cultural, economic, religious and/or political interactions between Western Europe and the non-Western World since 1500. Topics vary.

HST 220-4 *Introduction to Gender History*

Course will survey special topics in gender history such as masculinity, femininity, sexuality, family, and women's history. Focus may be on one nation, region, or a comparative perspective.

HST 221-4 *American Diversities*

Examines differences that have shaped American life and the ways in which Americans have responded to diversity. Topics may include ethnicity, race, region, religion, gender, sexual orientation, economic and social class, and political ideology.

MUS 290-4 *African American Music: America and Beyond*

Survey of the development of African American music from an historical, sociological and economic perspective. Included will be an analysis of the genres, influences, and impact on American and world culture.

PHL 200-4 *Critical Thinking*

Introduction to fundamental reasoning skills: recognizing the differences between facts and opinions, distinguishing relevant from irrelevant information, identifying unstated assumptions, detecting bias, recognizing fallacious reasoning, and evaluating claims, definitions and arguments.

PHL 204-4 *Great Books: Philosophy*

Introduction to selected great books in the history of philosophy. Texts are examined as an exercise in critical thinking and within their historical and cultural frameworks.

REL 204-4 *Great Books: Religion*

Study of selected Biblical writings viewed in their original cultural contexts and chosen to reflect the varieties of Biblical literature, the Bible's relationship to various societies, and its role in the development of Western culture.

RSE 260-4 *Regional Economic Studies: Pacific Rim*

Introduction to the economic and political development of East Asia and the Pacific Islands and their role in the global economy.

RST 261-4 *Regional Studies: Japan*

Examines the development of Japanese civilization, covering such topics as the cultural and physical geography, the economic and political institutions, traditions and their effects on behavior, appreciation of nature as well as the visual and performing arts.

RST 262-4 *Regional Studies: China*

Introduction to the historical, cultural, economic, and political reality of the world's most populous country, highlighting the cultural contributions of China's rich history, not only in the creation of modern Chinese culture but its impact on other cultures.

RST 271-4 *Regional Studies: Africa*

An introduction to African environments, diversity of cultural heritages, changes due to modernization, colonialism, slavery, and independence with a brief survey of the relations of Africa to other non-Western regions and the contributions of Africa to world civilization.

RST 281-4 *Regional Studies: Latin America*

A survey of non-Western societies, including Indians, mestizos, blacks, and the peasantry, from pre-Columbian and African origins to the present, in terms of ideology, organization, social structure, culture, and economic activities.

RST 291-4 *Regional Studies: The Middle East*

An introduction to the history, peoples, cultures, and geography of the Middle East, from Mauritania to Pakistan, from the seventh century to the present.

SOC 200-4 *Social Life*

An introduction to the processes through which individuals become members of groups, organizations, institutions, and societies, and how human social interactions lead to changes in social life and structures.

SOC 205-4 *The Sociological Imagination*

Students will examine a variety of approaches and perspectives that systematically analyze complex individual and institutional behaviors as they vary culturally, subculturally, and cross-culturally.

SW 272-4 *Cultural Competence in a Diverse World*

Introduction to the knowledge, skills and process required to develop cultural competency. Content covers the historical development of discrimination and the need for cultural competency within the U.S. and international communities.

TH 250-4 *Script Analysis*

This course offers students a variety of analytical methods for exploring a range of theatrical texts. Primary focus is on thematic, structural and formal aspects of analysis.

URS 200-4 *Growth and Change in Urban Society*

An interdisciplinary view of growth and change in urban societies around the globe. Case studies illustrate how urbanization, technology development and the administrative state intertwine and affect economic and population growth and change.

WMS 200-4 *Approaches to Women's Studies*

Introduces students to feminist thought, advocacy, and activism to acquaint students with the diversity of the subject area. Students will investigate why it is important to study women and use gender as a category of analysis.

Raj Soin College of Business

EC 290-04 *Economic, Business, and Social Issues*

Analyzes controversy and diversity of opinions regarding economic, business, and social issues shaping the world in which we live. Fosters critical thinking, verbal, and written communication skills through discussion, debate, and writing.

FIN 205-4 *Personal Financial Decision Making*

Provides knowledge that helps students effectively manage their personal financial affairs. Topics include personal financial statements, budgeting, tax planning, investing and savings, consumer borrowing, insurance, real estate, and retirement planning.

College of Science and Mathematics*

EH 205-4 *Environmental Science and Society*

This course provide students with facts necessary to understand environmental problems and the ethical, social, political, and technological bases for their solution – using examples from many cultures from around the world.

PSY 110-4 *Psychology: The Science of Behavior II*

Fundamental principles and practices of psychology are reviewed. Topics include social behavior, adjustment and mental health, motivation and emotion, and perception.

* *Majors in this college may be able to select other Area VI courses; consult the major program advisor.*

WSU - Miami Valley College of Nursing and Health

HLT 201-4 *Human Expressions of Health*

An introduction to the aesthetic expressions of health reflecting cultural and spiritual concerns.

HLT 202-4 *Eastern Influences on Western Health*

An exploration of the cultures of the Eastern world and their influence on health care practices in the west.

HLT 203-4 *The Languages of Health Data*

An introduction to the mathematical, social, political, financial, and cultural influences on communication regarding health.

NUR 212-4 *Nursing for Health and Wellness Lifestyle*

Emphasizes concepts, models, theories, and methodologies consistent with a philosophy of health and wellness in the context of human diversity. Incorporates self-directed activities to promote maximum health in self and others.

Total Hours Required

56

RS = A required substitution or a required selection is possible; consult major program requirements.

WI = Writing Intensive courses. EC 200 (Area III) and Natural Sciences courses (Area V) offered as WI may vary from quarter to quarter; consult quarterly class schedule for WI offerings.

T = Students who complete an Area VI course in one college and then transfer to another *may* not need to take another Area VI course. Consult with the college to determine its transfer policy.

Note: A course listed in two areas may only be used to meet one area requirement.