

## Suggested AHSN (Arts, Humanities, Social & Behavioral Science and Natural Science) courses for students in the E-SHIP Minor

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### GA (Arts) classes that would be used as supporting credits in the E-SHIP Minor:

[A ED 225](#) (GA; US) **DIVERSITY, PEDAGOGY, AND VISUAL CULTURE** ( 3) Issues of diversity in art, education, visual culture, and pedagogy.

[A&A 100](#) (GA; IL) **INTRODUCTION TO INTERNATIONAL ARTS** ( 3) An interdisciplinary, multicultural introduction to the arts of the world.

[AAA S 335](#) (GA; IL) (ART H) **AFRICAN ART** ( 3) Introduction to the visual arts of Africa, including contemporary African art and the influence of African art outside Africa.

[ARCH 210](#) (GA) **Introduction to Architecture and Planning Theories** (3) The course introduces architectural and urban theory by presenting and exploring key concepts through major texts from the Western tradition.

[ART H 202](#) (GA; US; IL) **Renaissance to Modern Architecture** (3) A survey of Renaissance, Baroque, Rococo, Romantic, Victorian, Modern, Post-Modern, and Contemporary architecture in Europe and America.

[ART H 330](#) (GA; IL) **ISLAMIC ARCHITECTURE AND ART** ( 3) Survey of the art and architecture of Islamic lands from the late seventh century until the eighteenth century.

[ART H 340](#) (GA; IL) **JAPANESE ART** ( 3) This course will examine the art and architecture of Japan, its relationship to Chinese art, and its influence on European art.

[INART 110](#) (GA) **The Dramatic Arts in the Mass Media** (3) The place of television-radio-film drama in our culture; relationship with other art forms; standards of evaluation.

[INART 210](#) (GA) **INTEGRATIVE APPROACHES TO COMPUTER-AIDED MUSIC COMPOSITION** ( 3) Interdisciplinary introduction to music composition using software to assist with notation; historical perspectives drawn from art, dance, theater, and literature. Prerequisite: [MUSIC 008](#) or instructor permission

[INART 258](#) (GA) **FUNDAMENTALS OF MIDI AND DIGITAL AUDIO** ( 3 credits per semester) Effective Date: SP2007 Music Technology (Introduction to how musical information is stored and processed in computer systems.) Prerequisite: [MUSIC 008](#) or concurrent enrollment in either [MUSIC 131](#) or [MUSIC 132](#)

[THEA 207](#) (GA; US) **GENDER AND THEATRE** ( 3) A study of theatre and drama literature as formed by issues of gender, race, and ethnic background.

[THEA 208](#) (GA; US; IL) (AAA S) **WORKSHOP: THEATRE IN DIVERSE CULTURES** ( 3) A performance-oriented class which explores the historic and contemporary theatrical works of various culturally diverse peoples.

[THEA 208S](#) (GA; US; IL) **WORKSHOP: THEATRE IN DIVERSE CULTURES** ( 3) A performance-oriented class, which explores the historic and contemporary theatrical works of various culturally diverse peoples.

**[GH \(Humanities\) classes that would be used as supporting credits in the E-SHIP Minor:](#)**

[AAA S 102](#) (GH; IL) (WMNST) **WOMEN OF COLOR: CROSS-CULTURAL PERSPECTIVE** ( 3) Global examination of value systems of women of color; attention to minority ethnic groups in the United States and developing countries.

[AAA S 192](#) (GH; IL) (HIST) **MODERN AFRICAN HISTORY** ( 3) Impact of the slave trade, expansion of Islam, colonial conquest, social and cultural transformations, resistance, nationalism, and independence.

[AG 160](#) (GH) **INTRODUCTION INTO ETHICS AND ISSUES IN AGRICULTURE** ( 3) The course explores ethical theories, concepts of critical thinking, and major ethical issues related to American agriculture.

[AM ST 104](#) (GH; US) (WMNST) **WOMEN AND THE AMERICAN EXPERIENCE** ( 3) Selected aspects of the role of women in United States history and culture from colonial to modern times.

[CAS 175](#) (GH) **PERSUASION AND PROPAGANDA** ( 3) An introductory examination of how symbols have been used to create belief and action in revolutionary, totalitarian, and democratic settings.

[CMLIT 101](#) (GH; US; IL) **THE THEME OF IDENTITY IN WORLD LITERATURE: RACE, GENDER, AND OTHER ISSUES OF DIVERSITY** ( 3) Themes of gender and heritage, centrality and marginality, self and other, as expressed in literary works from around the world.

[FD SC 280H](#) (GH) (PHIL) **FOOD, VALUES, AND HEALTH** ( 3) Effective Date: SP2007 The perceived relationship between food and health, emphasizing the conceptual nature of both; and how values contribute to the relationship.

[HIST 011](#) (GH; IL) **WORLD HISTORY II** ( 3) Social, economic, and political evolution of societies and cultures from 1500 to the present.

[HIST 117](#) (GH; US; IL) (WMNST) **WOMEN IN MODERN HISTORY** ( 3) Modernization and women: changing images and roles since mid-eighteenth century in the family, workshop, politics, society; cross-cultural comparisons.

[HIST 123](#) (GH) (S T S) **HISTORY OF SCIENCE II** ( 3) A history of science and culture from the scientific revolution to the present.

[HIST 154](#) (GH; US) **HISTORY OF WELFARE AND POVERTY IN THE UNITED STATES** ( 3) History of care of the impoverished (emphasis on gender, race, nationality, age of poor, and welfare givers), 18th century to present.

[HIST 155](#) (GH; US) **AMERICAN BUSINESS HISTORY** ( 3) Major developments in the history of business and industry from the colonial period to the present.

[HIST 175](#) (GH; IL) **THE HISTORY OF MODERN EAST ASIA** ( 3) Comparative survey of the internal developments and external relations of China and Japan since their contact with the industrialized West.

[HIST 179](#) (GH; IL) **LATIN-AMERICAN HISTORY SINCE 1820** ( 3) Origin, political growth, international relations, and economic status of the Latin-American republics, with emphasis upon present-day conditions.

[HIST 181](#) (GH; IL) **INTRODUCTION TO THE MIDDLE EAST** ( 3) Origins of Islamic civilization; expansion of Islam; the Ottoman Empire; the Middle East since 1918.

[HIST 192](#) (GH; IL) (AAA S) **MODERN AFRICAN HISTORY** ( 3) Impact of the slave trade, expansion of Islam, colonial conquest, social and cultural transformations, resistance, nationalism, and independence.

[HIST 211](#) (GH; US; IL) (AAA S) **THE EMERGENCE AND EVOLUTION OF THE BLACK DIASPORA IN THE ATLANTIC WORLD** ( 3) The course will explore the history and role of African and African-descent people in Africa, the Americas, and Europe. Prerequisite: [AAA S 100](#) or [HIST 003](#) or [HIST 020](#) or [HIST 021](#) or [HIST 152](#)

[PHIL 103](#) (GH) **INTRODUCTION TO ETHICS** ( 3) Ethical theory about virtue, duty, autonomy, and life quality applied to moral problems, including character, violence, oppression, abortion, and suicide.

[PHIL 103W](#) (GH) **INTRODUCTION TO ETHICS** ( 3) Ethical theory about virtue, duty, autonomy, and life quality applied to moral problems, including character, violence, oppression, abortion, and suicide. Prerequisite: [ENGL 015](#) or [ENGL 030](#)

[PHIL 105](#) (GH) **INTRODUCTION TO PHILOSOPHY OF LAW AND LEGAL ETHICS** ( 3) Historical and contemporary philosophies of law; concepts of responsibility, property, rights, and justice; and ethical issues in legal practice.

[PHIL 106](#) (GH) **INTRODUCTION TO BUSINESS ETHICS** ( 3) Studies ethical foundations of business and ethical problems in business practices such as advertising, international trade, labor relations, and marketing.

[PHIL 107](#) (GH) (S T S) **INTRODUCTION TO PHILOSOPHY OF TECHNOLOGY** ( 3) The character of technology; its relation to human values; philosophical assumptions in its development; and how it transforms the world.

[PHIL 109](#) (GH) **INTRODUCTION TO AESTHETICS** ( 3) Examines the nature of art and aesthetic experience, art's relation to beauty and truth, and the nature of creativity.

[PHIL 110](#) (GH) **INTRODUCTION TO PHILOSOPHY OF SCIENCE** ( 3) Examines science's assumptions about knowledge and reality, the relation between science and culture, and the nature of scientific progress.

[PHIL 116](#) (GH) **INTRODUCTION TO PHILOSOPHY OF SOCIAL SCIENCE** ( 3) Examines the philosophical foundations of the social sciences, focusing on issues of methodology, quantification, objectivity, and value-neutrality.

[PHIL 118](#) (GH) **INTRODUCTION TO ENVIRONMENTAL PHILOSOPHY** ( 3) Considers the moral status of the environment and applies ethical theory to issues such as preservation, hunger, pollution, and sustainability.

[PHIL119](#) (GH) **ETHICAL LEADERSHIP** ( 3) Uses literary and biographical texts in developing skills of application. Introduction to philosophical theories of ethics and leadership.

[PHIL 120](#) (GH) **INTRODUCTION TO PHILOSOPHY OF ECONOMICS** ( 3) Studies philosophical issues such as individualism and preference, behavior and choice, and history and politics in economic systems and theories.

[PHIL 131](#) (GH) **INTRODUCTION TO AGRICULTURAL ETHICS** ( 3) Includes the study of animal rights, international development, environmental sustainability, biotechnology, social policy and justice, and agrarian community.

[PHIL 132](#) (GH) (RL ST) **INTRODUCTION TO BIOETHICS** ( 3) Studies questions of ethics in relation to biotechnology research and implementation, genetic engineering, medicine, animal and human rights.

[PHIL 132S](#) (GH) **INTRODUCTION TO BIOETHICS** ( 3) Studies questions of ethics in relation to biotechnology research and implementation, genetic engineering, medicine, animal and human rights.

[PHIL 221](#) (GH) **PHILOSOPHY OF SCIENCE** ( 3) An inquiry into the form and function of concepts, laws, theories, and into the character of scientific explanation and prediction.

[PHIL 233](#) (GH) (S T S) **ETHICS AND THE DESIGN OF TECHNOLOGY** ( 3) Ethics and individual and group decision-making in the design of technology including design projects and specific attention to institutional ethics.

[RL ST 103](#) (GH; US; IL) **INTRODUCTION TO HINDUISM** ( 3) Historical development of Hinduism to the present.

[RL ST 104](#) (GH; US; IL) **INTRODUCTION TO BUDDHISM** ( 3) A general survey of the basic doctrine, practice, and historical development of Hinayana and Mahayana Buddhism.

[RL ST 107](#) (GH; US; IL) **INTRODUCTION TO ISLAM** ( 3) Community and message of the early movement; development of authoritative structures and traditions; proliferation of sects; theology and creeds; mysticism.

[S T S 233](#) (GH) (PHIL) **ETHICS AND THE DESIGN OF TECHNOLOGY** ( 3) Ethics and individual and group decision-making in the design of technology including design projects and specific attention to institutional ethics.

**GS (Social and Behavioral Science) classes that would be used as supporting credits in the E-SHIP Minor:**

[AAA S 100](#) (GS; US) **EVOLVING STATUS OF BLACKS IN THE TWENTIETH CENTURY: INTERDISCIPLINARY PERSPECTIVES** ( 3) An interdisciplinary, team-taught exploration of the evolving status of Black Americans in the twentieth century. Emphasis on the civil rights movement.

[AAA S 110](#) (GS; IL) **INTRODUCTION TO CONTEMPORARY AFRICA** ( 3) Consideration of influences and forces shaping modern African society; analysis of current local and global problems and issues facing Africa.

[AG BM 101](#) (GS) **ECONOMIC PRINCIPLES OF AGRIBUSINESS DECISION MAKING** ( 3) Introduction to economic principles and their application to real world examples of agribusiness management issues.

[ANTH 285](#) (GS; IL) **CULTURE CONTACT** ( 3) Survey of changes in indigenous societies following contact with colonial powers. Prerequisite: [ANTH 002](#), [ANTH 045](#)

[CAS 202](#) (GS) **INTRODUCTION TO COMMUNICATION THEORY** ( 3) Survey of human communication studies in relational, interpersonal, group, organization, intercultural, health, technology and communication systems.

[CAS 203](#) (GS) **INTERPERSONAL COMMUNICATION** ( 3) Exploration of competent communication and the skills necessary to manage personal and professional relationships.

[COMM 180](#) (GS) **Survey of Electronic Media and Telecommunications** (3) The development of electronic media and telecommunications, emphasizing social, economic, political and global impact.

[ECON 302](#) (GS) **INTERMEDIATE MICROECONOMIC ANALYSIS** ( 3) Allocation of resources and distribution of income within various market structures, with emphasis on analytical tools. Prerequisite: [ECON 002](#)

[ECON 304](#) (GS) **INTERMEDIATE MACROECONOMIC ANALYSIS** ( 3) Analysis of forces that determine the level of aggregate economic activity. Prerequisite: [ECON 004](#)

[ECON 315](#) (GS) **LABOR ECONOMICS** ( 3) Economic analysis of employment, earnings, and the labor market; labor relations; related government policies. Prerequisite: [ECON 002](#)

[ECON 323](#) (GS) **PUBLIC FINANCE** ( 3) Contemporary fiscal institutions in the United States; public expenditures; public revenues; incidence of major tax types; intergovernmental fiscal relations; public credit. Prerequisite: [ECON 002](#)

[ECON 333](#) (GS) **INTERNATIONAL ECONOMICS** ( 3) Why nations trade, barriers to trade, balance of payments adjustment and exchange rate determination, euro-currency markets, and trade-related institutions. Prerequisite: [ECON 002](#), [ECON 004](#), or [ECON 014](#)

[ECON 342](#) (GS) **INDUSTRIAL ORGANIZATION** ( 3) Industrial concentration, size, and efficiency of business firms, market structure and performance, competitive behavior, public policy and antitrust issues. Prerequisite: [ECON 002](#)

[ECON 370](#) (GS) **COMPARATIVE ECONOMIC DEVELOPMENT** ( 3) Problems of growth and development in non-industrialized countries and in economies in transition; institutions and economic development. Prerequisite: [ECON 002](#) or [ECON 014](#)

[EGEE 120](#) (GS; US; IL) **OIL: INTERNATIONAL EVOLUTION** ( 3) Survey of the commercial development of the world petroleum industry from various international, historical, business, and cultural perspectives.

[ENNEC 100](#) (GS) **INTRODUCTION TO ENERGY AND EARTH SCIENCES ECONOMICS** ( 3) Resource use decisions and their effect on local, national, and global development.

[GEOG 123](#) (GS; IL) **GEOGRAPHY OF DEVELOPING WORLD** ( 3) Effective Date: SP2007  
Patterns of poverty in poor countries; conventional and non-conventional explanations; focus on solutions; case studies of specific regions.

[GEOG 124](#) (GS; IL) **ELEMENTS OF CULTURAL GEOGRAPHY** ( 3) Locational analysis of changes in non-Western cultures. Problems of plural societies, economic development, population growth, and settlement.

[GEOG 128](#) (GS; IL) **GEOGRAPHY OF INTERNATIONAL AFFAIRS** ( 3) Contemporary international affairs in their geographical setting; geographic elements in the development of national power, political groupings, and international disputes.

[GEOG 160](#) (GS) **MAPPING OUR CHANGING WORLD** ( 3) Effective Date: SP2007  
Fundamental concepts of GIS, cartography, remote sensing, and GPS in the context of environmental and social problems.

[INT U 200](#) (GS) **INTERNATIONAL UNDERSTANDING AND WORLD AFFAIRS** ( 3)  
Interdisciplinary consideration of international problems, conflict and accommodation; impact of various cultures and ideologies on world affairs and foreign policy. Credit will not be given for both this course and PL SC 014. Prerequisite: third-semester standing

[INTAG 100](#) (GS; IL) **INTRODUCTION TO INTERNATIONAL AGRICULTURE** ( 3) Survey of agriculture and food production in developing countries; focus on small traditional farmers, their methods, and socioeconomic environment. (NOTE: Write for a further listing of courses in and related to International Agriculture.)

[INTST 100](#) (GS; IL) **INTRODUCTION TO INTERNATIONAL STUDIES** ( 3) An introductory multidisciplinary course designed to familiarize students with critical international issues.

[INTST 100S](#) (GS; IL) **INTRODUCTION TO INTERNATIONAL STUDIES** ( 3) An introductory multidisciplinary course designed to familiarize students with critical international issues.

[IST 110](#) (GS) **INFORMATION, PEOPLE AND TECHNOLOGY** ( 3) The use, analysis and design of information systems and technologies to organize, coordinate, and inform human enterprises. (*Core course for IST majors; can not be a supporting class for IST students in the E-SHIP Minor.*)

[L I R 201](#) (GS) **EMPLOYMENT RELATIONSHIP: LAW AND POLICY** ( 3) An examination of basic legal principles underlying the employment relationship and their social, political, and economic bases.

[PL SC 123](#) (GS; US; IL) **ETHNIC AND RACIAL POLITICS** ( 3) Effective Date: FA2007  
Political movements among United States ethnic and racial groups; government policies on race and ethnicity; comparison to other culturally diverse countries. Prerequisite: [PL SC 001](#) or [PL SC 003](#)

[PL SC 132](#) (GS;IL) **THE POLITICS OF INTERNATIONAL INTOLERANCE** ( 3) Effective Date: FA2007 Introductory course emphasizing psychological, historical, and political aspects of global intolerance towards minorities.

[PL SC 135](#) (GS) (S T S) **THE POLITICS OF THE ECOLOGICAL CRISIS** ( 3) The political implications of the increasing scarcity of many of the world's resources.

[POLSC 123](#) (GS;US;IL) **ETHNIC AND RACIAL POLITICS** ( 3) Political movements among United States ethnic and racial groups; government policies on race and ethnicity; comparison to other culturally diverse countries. Prerequisite: [PL SC 001](#) or [PL SC 003](#)

[POLSC 132](#) (GS;IL) **THE POLITICS OF INTERNATIONAL INTOLERANCE** ( 3) Introductory course emphasizing psychological, historical, and political aspects of global intolerance towards minorities.

[PSY 204](#) (GS) **INTRODUCTION TO LEARNING** ( 3) A general survey of the learning area, including animal and human experiments, with the applicability of learning principles being discussed. Prerequisite: [PSY 002](#)

[PSY 217](#) (GS) **SOCIAL PSYCHOLOGY** ( 3) Research and theory on topics including interpersonal attraction, aggression, helping, attitudes, attribution, cooperation, competition, and groups, from a psychological perspective. Prerequisite: [PSY 002](#)

[PSY 221](#) (GS) **INTRODUCTION TO COGNITIVE PSYCHOLOGY** ( 3) Introduction to study of such higher mental processes as thinking and reasoning, imagery, concept formation, problem solving, and skilled performance. Prerequisite: [PSY 002](#)

[PSY 231](#) (GS) **INDUSTRIAL PSYCHOLOGY** ( 3) Personnel selection, training, accident prevention, morale, and organizational behavior. Prerequisite: [PSY 002](#)

[PSYCH 220](#) (GS;US;IL) **CROSS-CULTURAL PSYCHOLOGY** ( 3) This course examines how ethnic and cultural background influences patterns of human thought and behavior. Prerequisite: [PSY 002](#)

[PSYCH 221](#) (GS) **INTRODUCTION TO SOCIAL PSYCHOLOGY** ( 3) Effective Date: SP2007 Research and theory on topics including interpersonal attraction, aggression, helping, attitudes, attribution, cooperation, competition, and groups, from a psychological perspective. Prerequisite: [PSYCH 100](#)

[PSYCH 232](#) (GS;US;IL) **CROSS-CULTURAL PSYCHOLOGY** ( 3) Effective Date: SP2007 This course examines how ethnic and cultural background influences patterns of human thought and behavior. Prerequisite: [PSYCH 100](#)

[PSYCH 261](#) (GS) **INTRODUCTION TO PSYCHOLOGY OF LEARNING** ( 3) Effective Date: SP2007 A general survey of the learning area, including animal and human experiments, with the applicability of learning principles being discussed. Prerequisite: [PSYCH 100](#)

[PSYCH 281](#) (GS) **INTRODUCTION TO INDUSTRIAL-ORGANIZATIONAL PSYCHOLOGY** ( 3) Effective Date: SP2007 Personnel selection, training, accident prevention, morale, and organizational behavior. Prerequisite: [PSYCH 100](#)

[S T S 151](#) (GS; US) (HIST) **TECHNOLOGY AND SOCIETY IN AMERICAN HISTORY** ( 3)  
Development of technology in America from colonial times; its reception and its influence on social, economic, and political life.

[S T S 151S](#) (GS; US) (HIST) **TECHNOLOGY AND SOCIETY IN AMERICAN HISTORY** ( 3)  
Development of technology in America from colonial times; its reception and its influence on social, economic, and political life.

[S T S 200](#) (GS) **CRITICAL ISSUES IN SCIENCE, TECHNOLOGY, AND SOCIETY** ( 3) An overview of interactions between science, technology, and society from social sciences and humanities perspectives.

[S T S 200S](#) (GS) **CRITICAL ISSUES IN SCIENCE, TECHNOLOGY, AND SOCIETY** ( 3) An overview of interactions between science, technology, and society from social sciences and humanities perspectives.

**General Natural Science (GN) courses that can be used as supporting courses for the E-SHIP Minor:**

[AAA S 105 \(EARTH 105\)](#) (GN; IL) **Environments of Africa: Geology and Climate Change** (3) Significant natural features of Africa as related to human endeavor; case studies include the Nile, climate change, natural resources.

[AERSP 055 \(S T S 055\)](#) (GN) **Space Science and Technology** (3) The science and technology of space exploration and exploitation; physical principles; research and development; history, space policy, and social implications.

[AGECO 134 \(R SOC 134\)](#) (GN) **Sustainable Agriculture Science and Policy** (3) The science, socio-economics, and politics of managing food and fiber production systems. Sustainability implications of current practices and future options.

[BIOL 120A](#) (GN; US; IL) **Plants, Places, and People** (3) Useful and dangerous plants; historical (archaeological), cultural (ethnological), and economic (anthropocentric) aspects, including structural and chemical characteristics of botanical importance. Students who have passed BIOL (PPATH; S T S) 424 may not schedule this course.

[BIOL 120B](#) (GN; US) **Plants, Places, and People** (3) Useful and dangerous plants; historical (archaeological), cultural (ethnological), and economic (anthropocentric) aspects, including structural and chemical characteristics of botanical importance. Students who have passed BIOL (PPATH; S T S) 424 may not schedule this course.

[BIOL 120C](#) (GN; IL) **Plants, Places, and People** (3) Useful and dangerous plants; historical (archaeological), cultural (ethnological), and economic (anthropocentric) aspects, including structural and chemical characteristics of botanical importance. Students who have passed BIOL (PPATH; S T S) 424 may not schedule this course.

[BIOL 155](#) (GN) **Introduction to the Biology of Aging** (3) Examination of human aging from a biological perspective. Population demographics, physiological and pathological changes, and healthy lifestyles are discussed. Students who have passed BIOL 409 may not schedule this course.

[E R M 210](#) (GN) **Environmental Factors and Their Effect on Your Food Supply** (3) An exploration of how urban environmental problems influence our ability to obtain food and natural resources.

[EARTH 100](#) (GN) **Environment Earth** (3) Natural processes and their relationship to anthropogenic influences. General principles of global cycles and the role they play in natural hazards, global warming, ozone depletion, etc.

[EARTH 100H](#) (GN) **Environment Earth** (3) Natural processes and their relationship to anthropogenic influences. General principles of global cycles and the role they play in natural hazards, global warming, ozone depletion, etc.

[EARTH 103](#) (GN) **Earth in the Future: Predicting Climate Change and Its Impacts Over the Next Century** (3) Climate predictions for the coming century are utilized to examine potential impacts on regions, sectors of society, and natural ecosystems.

[EARTH 105 \(AAA S 105\)](#) (GN; IL) **Environments of Africa: Geology and Climate Change** (3) Significant natural features of Africa as related to human endeavor; case studies include the Nile, climate change, and natural resources.

[EARTH 111](#) (GN; US) **Water: Science and Society** (3) Investigation of water behavior and occurrence, its relevance to life, human activities, politics, and society.

[EGEE 101 \(MATSC 101\)](#) (GN) **Energy and the Environment** (3) Energy utilization and technological development, energy resources, conversion and consequences on the local and global environment, and future energy alternatives.

[EGEE 101A \(MATSC 101A\)](#) (GN; IL) **Energy and the Environment** (3) Energy utilization and technological development, energy resources, conversion and consequences on the local and global environment, and future energy alternatives.

[EGEE 101H](#) (GN) **Energy and the Environment** (3) Energy utilization and technological development, energy resources, conversion and consequences on the local and global environment, and future energy alternatives.

[EGEE 101H](#) (GN) **Energy and the Environment** (3) Energy utilization and technological development, energy resources, conversion and consequences on the local and global environment, and future energy alternatives. Effective: Summer 2009 Future: Summer 2009

[EGEE 102](#) (GN) **Energy Conservation for Environmental Protection** (3) Exposure to energy efficiency in day-to-day life to save money and energy, and thereby protect the environment. Effective: Spring 2000

[EGEE 102H](#) (GN) **Energy Conservation for Environmental Protection** (3) Honors level exposure to energy efficiency in day to day life to save money and energy, and thereby protect the environment. Effective: Summer 2008

[EGEE 110](#) (GN) **Safety Science for the Rest of Your Life** (3) Survey of applications and technologies associated with safety in our every day life with associated review of scientific principles and economic, social and political impacts. Effective: Summer 2005

[EGEE 210](#) (GN) **Technological Legacy of Pennsylvania Coal** (3) Survey of coal technologies with a review of scientific principles and economic, social, and political impacts. Effective: Summer 2005

[EM SC 121](#) (GN) **Minerals and Modern Society** (3) Production and use of mineral resources in modern society with an emphasis on the interrelationships and their effect on the Earth system. Effective: Summer 1996

[EM SC 150 \(S T S 150\)](#) (GN; IL) **Out of the Fiery Furnace** (3) A history of materials, energy and man, with emphasis on their interrelationships. For nontechnical students.

[GEOG 111](#) (GN) **Biogeography and Global Ecology** (3) Distribution of plants and animals on global, regional, and local scales; their causes and significance.

[HORT 150](#) (GN) **Plants in the Human Context** (3) An introduction to the many fascinating and vital relationships between plants and human society.

[MATSE 081](#) (GN; IL) **Materials in Today's World** (3) A survey of the properties, manufacture, and uses of polymers, ceramics and metals in today's world with emphasis on modern developments and new materials.

[MATSE 091](#) (GN) **Polymers, Life and Society** (3) An exploration of the science and use of polymer materials and their impact on society using a case study approach.

[MATSE 101 \(EGEE 101\)](#) (GN) **Energy and the Environment** (3) Energy utilization and technological development, energy resources, conversion and consequences on the local and global environment, and future energy alternatives.

[MATSE 101A \(EGEE 101A\)](#) (GN; IL) **Energy and the Environment** (3) Energy utilization and technological development, energy resources, conversion and consequences on the local and global environment, and future energy alternatives.

[METEO 122 \(AGECO 122\)](#) (GN) **Atmospheric Environment: Growing in the Wind** (3) Students will learn about the effect of weather on plants, animals, and humans.

[PPATH 120](#) (GN) **The Fungal Jungle: A Mycological Safari From Truffles to Slime Molds** (3) Students will learn about the world of fungi and the many ways it impacts their lives.

[PPATH 300](#) (GN) **Horticultural Crop Diseases** (3) Diseases of horticultural crops are examined stressing their cause, diagnosis, control and national and international importance. Effective: Spring 2008 Prerequisite: 3 credits in a biological science

[R SOC 134 \(AGECO 134\)](#) (GN) **Sustainable Agriculture Science and Policy** (3) The science, socio-economics, and politics of managing food and fiber production systems. Sustainability implications of current practices and future options.

[S T S 055 \(AERSP 055\)](#) (GN) **Space Science and Technology** (3) The science and technology of space exploration and exploitation; physical principles; research and development; history, space policy, and social implications.

[S T S 150 \(EM SC 150\)](#) (GN; IL) **Out of the Fiery Furnace** (3) A history of materials, energy, and humans, with emphasis on their interrelationships. For nontechnical students.

[S T S 201](#) (GN) **Climate Change, Energy, and Biodiversity** (3) Studies of global warming, energy options, and biodiversity; their interrelations as sciences and as societal issues.

[S T S 201H](#) (GN) **Climate Change, Energy, and Biodiversity** (3) Studies of global warming, energy options, and biodiversity; their interrelations as sciences and as societal issues.

[SOILS 071](#) (GN; IL) **Environmental Sustainability** (3) An introduction to environmental science, exploring sustainable human- environment interactions with examples from environmental soil science.

[SOILS 101](#) (GN) **Introduction to Soils** (3) A study of soil characteristics and their relationship to land use, plant growth, environmental quality, and society/culture.