

General Education and Degree Requirement Recommendations for Pre-Health Students

This information is intended for use by FSC Pre-Health Students majoring in Chemistry and Biology degrees. **Students are required to review all degree applicability information with your faculty advisor.** Students are also strongly encouraged to discuss any questions regarding courses with their Faculty Advisor and/or the Career and Internship Coordinator. The FSC Catalog is the ultimate authority on all degree requirements and in the event of a discrepancy between this document and the FSC Catalog, information in the FSC Catalog shall prevail.

General Education Requirements

I. Common First Year Courses for Pre-Health Students

II. General Education Courses – 46 hours

- a. [Meaning and Value \(MV\)](#) – 8 hours
- b. [Social World \(SW\)](#) – 8 hours
- c. [Natural World \(NW\)](#) – 4 hours
- d. [Fine Arts Appreciation \(FA\)](#) – 4 hours
- e. [Qualitative Course \(Ql\)](#) – 4 hours
- f. [Quantitative Course \(Qn\)](#) – 4 hours
- g. [Effective Communication Category A \(EC-A\)](#) – 4 hours
- h. [Effective Communication Category B \(EC-B\)](#) – 4 hours
- i. [Effective Communication Category C \(EC-C\)](#) – 4 hours
- j. [Personal Wellness \(Well\)](#) – 2 hours

Degree Requirements

II. Bachelor of Arts Degree Requirements – 20 hours

- a. Foreign Language Courses – 12 hours
 - b. [Humanities, Fine Arts, or Performing Arts Courses](#) – 8 hours*
- *must be 2 courses from two different disciplines

III. Bachelor of Science Degree Requirements – 12 hours

- a. Computer Science or Mathematics Course – 4 credits**
- b. Natural Science Course – 4 credits**
- c. [Social Science Course](#) – 4 credits

**all chemistry and biology majors include mathematics and natural science courses that will satisfy these requirements

Pre-Health Electives

IV. [Recommended Electives](#)

Information about “Double Dipping”:

- Individual courses may satisfy multiple General Education requirements, however, students must earn a minimum of 40 hours of unique General Education credits.
- Students may only satisfy 12 General Education hours via major course (or 16 hours if double majoring).
- Courses satisfying general education requirements may not be used to satisfy B.A. or B.S. degree requirements.

Common First Year Courses for Pre-Health Students

REL 1108 WHAT IS RELIGION?

Four hours. An introduction to religion through an inquiry of ultimate questions, the sacred and the divine, and religious belief and practice. Students critically examine sacred texts, religious experience, theology, ritual, and ethics within religious traditions. Gen Ed: MV, QI

PHI 1109 WHAT IS PHILOSOPHY?

Four hours. Before we can approach the task of thinking philosophically, whether about ethics, religion, politics, art, knowledge, truth, or reality, we must first endeavor to understand how it is that one thinks philosophically. It is the aim of this course to answer this question by introducing the student to the basic divisions within philosophy in order to equip them with the skills necessary for further study. More generally, it is the goal of this course to invite the student into the practice of philosophical and critical thinking which could be applied to whatever course of study the student pursues.

Gen Ed: MV, QI

SOC 1100 INTRODUCTION TO SOCIOLOGY

Four hours. Globally focused survey of the foundations of society and social behavior, including but not limited to diverse theoretical perspectives at micro and macro levels; research methodological approaches; major contributors to the discipline; basic sociological concepts, processes and applications; the study of major social institutions; and the analysis of social issues and social problems. This course may also be taken, when offered, as Introduction to Sociology Online. It is the same course but delivered in online format.

Gen Ed: MV, SW

PSY 1106 PSYCHOLOGY AND THE SOCIAL WORLD

Four hours. Survey of major areas in psychology with emphasis on current foundational areas of the field, including but not limited to the following: theoretical/methodological, developmental, cognitive, social and cultural, and clinical foundations of behavior.

Gen Ed: SW

BIO 1500 BIOLOGY I: BIOLOGICAL ESSENTIALS

Four hours. A rigorous introduction to the principles that lay the foundations for the biological sciences. The course examines the relationships between metabolism, genetics, cell biology, and evolution. Students learn scientific methodology in laboratory exercises focused on cellular and molecular biology.

Gen Ed: NW

CHE 1111 PRINCIPLES OF CHEMISTRY I

Four hours. Prerequisite: High school chemistry, CHE 1000 or CHE 1011. Quantitative treatment of the principles of chemistry including stoichiometry, states of matter, energy, atomic structure, periodicity, ionic compounds, and molecular structure.

Gen Ed: NW

ART 1120 DESIGN FUNDAMENTALS (*recommended for pre-dental students*)

Four hours. An introduction to the elements and principles of design, including line, shape, color, value, texture, balance, emphasis, rhythm, and unity.

Gen Ed: FA

MAT 2032 BIostatistics

Four hours. Applied statistical tools for analysis and decision making with applications for biology, environmental and agricultural sciences. Statistical terminology, collection and presentation of data, probability distributions, sampling, experimental design, parametric and nonparametric procedures, regression, correlation and analysis of variance. Class demonstrations of analysis using statistical software. Credit cannot be earned for both MAT 2022 and MAT 2032.

Gen Ed: Qn

MAT 2311 CALCULUS I WITH PLANE ANALYTIC GEOMETRY

Four hours. The study of differentiation and integration of algebraic and transcendental functions. Theory and applications of differentiation, and The Fundamental Theorem of Calculus. Topics in plane analytic geometry. Use of computer algebra system (CAS) required.

Gen Ed: Qn

ENG 1005 WRITING ABOUT TOPICS

Four hours. Instruction and practice in writing short personal, informative, and persuasive essays about a selected topic that is the focus for the semester. The selected topic engages students intellectually and imaginatively while developing their skills as they consider various aspects of the course topic. Formal research is part of the course. Specific topic at the discretion of the instructor. Course number can be taken more than once under different topics.

Gen Ed: EC-A

HON 1700 WRITING ON CONTEMPORARY SOCIAL ISSUES

Four hours. Prerequisites: Entry into Honors Program. Students critically analyze how culture shapes and is shaped by the written language. The class examines multiple overarching social concepts that may include relationships, community, globalism, and technology in fields of study such as politics, economics, science, arts, and the environment to further understand our impact on society and potential to enact change. A particular focus of the course is exploring the importance of analytical writing in everyday life.

Gen Ed: EC-A, QI

COM 1500 FUNDAMENTALS OF SPEECH (***strongly recommended for pre-pharmacy students***)

Four hours. Theory and practice of public address; preparation and delivery of short speeches; development of critical thinking and listening.

Gen Ed: EC-B

COM 2250 INTERPERSONAL COMMUNICATION

Four hours. A study of the dynamics of human communication in various settings. Course focus is on verbal and nonverbal messages, listening, conflict, and relationships. Group and partner discussions, oral presentations, and performances are important elements of class.

Gen Ed: SW, EC-B

Knowledge of Human Cultures and the Physical/Natural World

Meaning & Value (MV)

8 hours required

Most Recommended:

PHI 2204 ETHICS

Four hours. Ethics involves the exploration of fundamental questions of meaning and value: What is the nature of the good life? How ought we to treat one another? Are there basic rights all people enjoy, and, if so, what are they? Are there universal standards of morality, or are right and wrong relative to culture, historical period, or individual opinion? The course explores these questions through various philosophical theories and their practical applications.

Gen Ed: MV, QI

REL 1108 WHAT IS RELIGION?

Four hours. An introduction to religion through an inquiry of ultimate questions, the sacred and the divine, and religious belief and practice. Students critically examine sacred texts, religious experience, theology, ritual, and ethics within religious traditions. Gen Ed: MV, QI

PHI 1109 WHAT IS PHILOSOPHY?

Four hours. Before we can approach the task of thinking philosophically, whether about ethics, religion, politics, art, knowledge, truth, or reality, we must first endeavor to understand how it is that one thinks philosophically. It is the aim of this course to answer this question by introducing the student to the basic divisions within philosophy in order to equip them with the skills necessary for further study. More generally, it is the goal of this course to invite the student into the practice of philosophical and critical thinking which could be applied to whatever course of study the student pursues.

Gen Ed: MV, QI

Additional Options:

BIO 3378 DIALOGUES IN SCIENCE AND RELIGION

Four hours. Same as REL 3378. Prerequisites: any 1000 level or above course in the natural sciences and any 2000 level or above course in religion. Offered in the spring semester every other year. Considers the cultural, philosophical and intellectual factors that have contributed to the development of the relationship between science and religion in Western thought.

Gen Ed: MV

COM 2270 INTERCULTURAL COMMUNICATION

Four hours. Same as SOC 2270. This course explores the unique relationship between communication and culture. Students examine their own beliefs, values, behaviors, and norms as they are exposed to a variety of cultural dynamics and mores in this increasingly global society. This course balances concepts and theories of intercultural communication with practical application. The goal of this course is to enhance the student's effectiveness as a communicator and as citizen of the global community.

Gen Ed: MV, SW

REL 2219 WORLD RELIGIONS AND PHILOSOPHIES

Four hours. Same as PHI 2219. Introduces students to the origins; founders; historical development; scriptures; fundamental concepts, such as views of ultimate reality, the meaning of life, and human hope; religious practices; personal and social ethics; culture context and impact; and contemporary relevance of the world's living religions and their associated philosophies.

Gen Ed: MV, SW, QI

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Social World (SW)

8 hours required

SOC 1100 INTRODUCTION TO SOCIOLOGY

Four hours. Globally focused survey of the foundations of society and social behavior, including but not limited to diverse theoretical perspectives at micro and macro levels; research methodological approaches; major contributors to the discipline; basic sociological concepts, processes and applications; the study of major social institutions; and the analysis of social issues and social problems. This course may also be taken, when offered, as Introduction to Sociology Online. It is the same course but delivered in online format.

Gen Ed: MV, SW

PSY 1106 PSYCHOLOGY AND THE SOCIAL WORLD

Four hours. Survey of major areas in psychology with emphasis on current foundational areas of the field, including but not limited to the following: theoretical/methodological, developmental, cognitive, social and cultural, and clinical foundations of behavior.

Gen Ed: SW

Natural World (NW)

4 hours required

Met by Biology & Chemistry Major courses

BIO 1500 BIOLOGY I: BIOLOGICAL ESSENTIALS

Four hours. A rigorous introduction to the principles that lay the foundations for the biological sciences. The course examines the relationships between metabolism, genetics, cell biology, and evolution. Students learn scientific methodology in laboratory exercises focused on cellular and molecular biology.

Gen Ed: NW

CHE 1111 PRINCIPLES OF CHEMISTRY I

Four hours. Prerequisite: High school chemistry, CHE 1000 or CHE 1011. Quantitative treatment of the principles of chemistry including stoichiometry, states of matter, energy, atomic structure, periodicity, ionic compounds, and molecular structure.

Gen Ed: NW

Fine Arts (FA)

4 hours required

Most Recommended:

ENG 2305 MASTERPIECES OF WORLD LITERATURE

Four hours. Study of distinctive works, in English translation, by eminent writers from the ancient world to the present, primarily in the Western tradition.

Gen Ed: SW, FA

ART 1120 DESIGN FUNDAMENTALS (*recommended for pre-dental students*)

Four hours. An introduction to the elements and principles of design, including line, shape, color, value, texture, balance, emphasis, rhythm, and unity.

Gen Ed: FA

Additional Options:

ENG 2023 CREATIVE LITERATURE, CREATIVE WRITING

Four hours. Practice in the reading, interpretation, discussion of, and writing of contemporary prose and poetry, including techniques and elements.

Gen Ed: FA

ENG 3310 AMERICAN LITERATURE II: 1865-2000

Four hours. Prerequisite: Successful completion of coursework that satisfies Effective Communication SLOs A and B. This course covers authors, works, and genres of American literature from approximately 1865 to 2000.

Gen Ed: FA, EC-C

HON 2285 ARTISTIC INVESTIGATIONS AND INSIGHTS

Four hours. Prerequisite: Entry into Honors Program. Honors students attend exhibitions and performances in music, art, architecture, theatre, and the belles-lettres, as they increase their understanding of arts. Gen Ed: FA

Intellectual and Practical Skills

Quantitative (Qn)

4 hours required

Met by Biology & Chemistry Major courses

MAT 2032 BIOSTATISTICS

Four hours. Applied statistical tools for analysis and decision making with applications for biology, environmental and agricultural sciences. Statistical terminology, collection and presentation of data, probability distributions, sampling, experimental design, parametric and nonparametric procedures, regression, correlation and analysis of variance. Class demonstrations of analysis using statistical software. Credit cannot be earned for both MAT 2022 and MAT 2032.

Gen Ed: Qn

MAT 2311 CALCULUS I WITH PLANE ANALYTIC GEOMETRY

Four hours. The study of differentiation and integration of algebraic and transcendental functions. Theory and applications of differentiation, and The Fundamental Theorem of Calculus. Topics in plane analytic geometry. Use of computer algebra system (CAS) required.

Gen Ed: Qn

Qualitative (QI)

4 hours required

Most Recommended:

PHI 2204 ETHICS (*strongly recommended*)

Four hours. Ethics involves the exploration of fundamental questions of meaning and value: What is the nature of the good life? How ought we to treat one another? Are there basic rights all people enjoy, and, if so, what are they? Are there universal standards of morality, or are right and wrong relative to culture, historical period, or individual opinion? The course explores these questions through various philosophical theories and their practical applications.

Gen Ed: MV, QI

REL 1108 WHAT IS RELIGION?

Four hours. An introduction to religion through an inquiry of ultimate questions, the sacred and the divine, and religious belief and practice. Students critically examine sacred texts, religious experience, theology, ritual, and ethics within religious traditions. Gen Ed: MV, QI

PHI 1109 WHAT IS PHILOSOPHY? (*strongly recommended for pre-med students*)

Four hours. Before we can approach the task of thinking philosophically, whether about ethics, religion, politics, art, knowledge, truth, or reality, we must first endeavor to understand how it is that one thinks philosophically. It is the aim of this course to answer this question by introducing the student to the basic divisions within philosophy in order to equip them with the skills necessary for further study. More generally, it is the goal of this course to invite the student into the practice of philosophical and critical thinking which could be applied to whatever course of study the student pursues.

Gen Ed: MV, QI

ENG 3219 PERSUASIVE WRITING (*strongly recommended***)

Four hours. Prerequisite: Successful completion of coursework that satisfies Effective Communication SLOs A and B. Study and practice of persuasive rhetorical techniques and the development of argumentative strategies.

Gen Ed: QI, EC-C

PHI 4459 KNOWLEDGE, TRUTH AND REALITY

Four hours. Prerequisite: One other course in philosophy or permission of the instructor and successful completion of coursework that satisfies Effective Communication SLOs A and B. This course explores fundamental philosophical questions about knowledge, reality, and their relationship at an advanced theoretical level. Examples of questions addressed include: What is the nature and structure of reality? What are the nature, ground, and limits of human knowledge? Are reality and our knowledge of it fully objective or do they involve relativistic and/or subjective elements? What is the relationship between our linguistic descriptions of reality and reality itself? What are the relationships among the natural/social sciences, philosophical theory, cultural constructions, and subjective experience?

Gen Ed: MV, QI, EC-C

Additional Options:

REL 2219 WORLD RELIGIONS AND PHILOSOPHIES

Four hours. Same as PHI 2219. Introduces students to the origins; founders; historical development; scriptures; fundamental concepts, such as views of ultimate reality, the meaning of life, and human hope; religious practices; personal and social ethics; culture context and impact; and contemporary relevance of the world's living religions and their associated philosophies.

Gen Ed: MV, SW, QI

HIS 3225 MODERN AMERICA, 1945-PRESENT

Four hours. Prerequisites: One year of college coursework and successful completion of coursework that satisfies Effective Communication SLOs A and B. This course provides students with an in-- depth examination of Modern America after the Second World War. America's political, economic, and social history are examined. Among the major subjects included in the course are: the Cold War, Civil Rights, Vietnam War and anti-war movement, feminism, environmentalism, the crises of the 1970s, the neo--conservative revolution and global confrontations up to the first decade of the 21st century.

Gen Ed: SW, QI, EC-C

PHI 3388 FUNDAMENTAL QUESTIONS IN THEOLOGY & PHILOSOPHY

Four hours. Same as REL 3388. Prerequisite: Successful completion of coursework that satisfies Effective Communication SLOs A and B. This team-taught course examines philosophical and theological perspectives on such matters as classical arguments for God's existence, atheistic critiques, the relationship between reason and revelation, life after death, the ground of morality, the problem of evil, religious experience, and religious language.

Gen Ed: MV, QI, EC-C

Effective Communication - Category A (EC-A)

4 hours required

ENG 1005 WRITING ABOUT TOPICS

Four hours. Instruction and practice in writing short personal, informative, and persuasive essays about a selected topic that is the focus for the semester. The selected topic engages students intellectually and imaginatively while developing their skills as they consider various aspects of the course topic. Formal research is part of the course. Specific topic at the discretion of the instructor. Course number can be taken more than once under different topics.
Gen Ed: EC-A

HON 1700 WRITING ON CONTEMPORARY SOCIAL ISSUES

Four hours. Prerequisites: Entry into Honors Program. Students critically analyze how culture shapes and is shaped by the written language. The class examines multiple overarching social concepts that may include relationships, community, globalism, and technology in fields of study such as politics, economics, science, arts, and the environment to further understand our impact on society and potential to enact change. A particular focus of the course is exploring the importance of analytical writing in everyday life.
Gen Ed: EC-A, Q1

Effective Communication – Category B (EC-B)

4 hours required

COM 1500 FUNDAMENTALS OF SPEECH (*strongly recommended for pre-pharmacy students*)

Four hours. Theory and practice of public address; preparation and delivery of short speeches; development of critical thinking and listening.

Gen Ed: EC-B

COM 2250 INTERPERSONAL COMMUNICATION

Four hours. A study of the dynamics of human communication in various settings. Course focus is on verbal and nonverbal messages, listening, conflict, and relationships. Group and partner discussions, oral presentations, and performances are important elements of class.

Gen Ed: SW, EC-B

HON 1701 SPEAKING ON CONTEMPORARY SOCIAL ISSUES

Four hours. Prerequisites: Entry into Honors Program. Students critically analyze how culture shapes and is shaped by communication. Specifically, students investigate the context in which people challenge the dominant way of thinking in multiple fields of study, which may include politics, business, technology, science, and economics, and propose new ideas, some of which have far reaching consequences. The class examines concepts such as identity, self, other, relationships, community, and technology to further understand our impact on society and to help improve student communication skills. A particular focus of the course is exploring the importance of informative and persuasive oral communication in everyday life. Topics vary - selected by instructor and Honors Program director.

Gen Ed: EC-B, SW

Effective Communication - Category C (EC-C)

4 hours required

The Following Courses are Required for Many Chemistry and Biology Degrees:

BIO 4461, 4462 RESEARCH: ECOLOGY

Four hours. Prerequisite: BIO 4460 or permission of the instructor, and successful completion of coursework that satisfies Effective Communication SLOs A and B. Students learn basic techniques in ecological research, and design and carry out research in ecology.

Gen Ed: EC-C

BIO 4561, 4562 RESEARCH: MOLECULAR BIOLOGY

Four hours. Prerequisites: Permission of instructor and successful completion of coursework that satisfies Effective Communication SLOs A and B. Suggested prerequisite: BIO 4560. Students learn basic techniques in molecular biology research, and design and carry out research in molecular biology.

Gen Ed: EC-C

CHE 4410 INTRODUCTION TO RESEARCH METHODS

Two hours. Prerequisite: Senior status, credit for Effective Communication A and Effective Communication B General Education SLOs, or permission of instructor. Restricted to students majoring in Chemistry or Biochemistry and Molecular Biology. This course will encompass the exploration of a scientific research topic under the supervision of a professor having expertise in that area. It will consist of library and laboratory investigations that will culminate in the dissemination of the research methods and findings via a written research report and oral presentation.

Gen Ed: EC-C

CHE 4999 SENIOR RESEARCH

Two hours. Prerequisite: Senior status and CHE 4410 and successful completion of coursework that satisfies Effective Communication SLOs A and B. A capstone course that engages the student in the exploration of a scientific research topic under the supervision of a professor having expertise in the areas of interest. It consists of library and laboratory investigations that culminate in a written research report and the dissemination of the research methods and findings at a scientific or scholarly meeting.

Gen Ed: EC-C

Additional Options:

ENG 3219 PERSUASIVE WRITING (*strongly recommended***)

Four hours. Prerequisite: Successful completion of coursework that satisfies Effective Communication SLOs A and B. Study and practice of persuasive rhetorical techniques and the development of argumentative strategies.

Gen Ed: QI, EC-C

ENG 3304 MAJOR AUTHORS

Four hours. Prerequisite: Successful completion of coursework that satisfies Effective Communication SLOs A and B. The in-depth study of major authors—fiction or non-fiction—who have made a significant impact on the history of literature. Authors may include, but are not limited to, Shakespeare, Chaucer, Milton, Woolf, Faulkner, and Hemingway. The major author focus in a given semester may include two or three authors, such as Hawthorne and Melville or Anne, Charlotte, and Emily Bronte. This course may be taken more than once to allow for study of more than one author or grouping of authors.

Gen Ed: FA, EC-C

ENG 3310 AMERICAN LITERATURE II: 1865-2000

Four hours. Prerequisite: Successful completion of coursework that satisfies Effective Communication SLOs A and B. This course covers authors, works, and genres of American literature from approximately 1865 to 2000.

Gen Ed: FA, EC-C

HIS 3225 MODERN AMERICA, 1945-PRESENT

Four hours. Prerequisites: One year of college coursework and successful completion of coursework that satisfies Effective Communication SLOs A and B. This course provides students with an in-- depth examination of Modern America after the Second World War. America's political, economic, and social history are examined. Among the major subjects included in the course are: the Cold War, Civil Rights, Vietnam War and anti--war movement, feminism, environmentalism, the crises of the 1970s, the neo--conservative revolution and global confrontations up to the first decade of the 21st century.

Gen Ed: SW, QI, EC-C

PHI 3388 FUNDAMENTAL QUESTIONS IN THEOLOGY & PHILOSOPHY

Four hours. Same as REL 3388. Prerequisite: Successful completion of coursework that satisfies Effective Communication SLOs A and B. This team-taught course examines philosophical and theological perspectives on such matters as classical arguments for God's existence, atheistic critiques, the relationship between reason and revelation, life after death, the ground of morality, the problem of evil, religious experience, and religious language.

Gen Ed: MV, QI, EC-C

PHI 4459 KNOWLEDGE, TRUTH AND REALITY

Four hours. Prerequisite: One other course in philosophy or permission of the instructor and successful completion of coursework that satisfies Effective Communication SLOs A and B. This course explores fundamental philosophical questions about knowledge, reality, and their relationship at an advanced theoretical level. Examples of questions addressed include: What is the nature and structure of reality? What are the nature, ground, and limits of human knowledge? Are reality and our knowledge of it fully objective or do they involve relativistic and/or subjective elements? What is the relationship between our linguistic descriptions of reality and reality itself? What are the relationships among the natural/social sciences, philosophical theory, cultural constructions, and subjective experience?

Gen Ed: MV, QI, EC-C

REL 3365 THEOLOGICAL & PHILOSOPHICAL THEMES IN CONTEMPORARY LITERATURE

Four hours. Same as PHI 3365. Prerequisite: Successful completion of coursework that satisfies Effective Communication SLOs A and B. This course examines the religious and philosophical themes in major literary works of the nineteenth and twentieth centuries.

Gen Ed: MV, EC-C

Personal Wellness

2 hours required

ATP 2115 EMERGENCY MEDICAL RESPONDER

Four hours. An entry-level emergency medical provider course that prepares individuals for a variety of pre-hospital, industrial, and first-responder situations. The successful completion of a first responder course is a prerequisite to training as a firefighter, emergency medical technician/paramedic and many law enforcement programs.

Gen Ed: QI, Wel

ATP 3333 CONCEPTS OF NUTRITION AND PHARMACOLOGY

Three hours. Prerequisite: majors only or permission of the instructor. Emphasis is on the application of nutrition to enhance sports and physical activity, and the effects of therapeutic medications, performance enhancing drugs. Attention is directed toward optimal performance including dietary modifications, issues dealing with alcohol, tobacco, illicit drugs, and pharmacology.

Gen Ed: QI, Well

EXS 2760 SPORTS NUTRITION AND SUPPLEMENTATION

Two hours. Examination of the role of macronutrients, micronutrients, ergogenic aids and nutritional supplements in sport and exercise performance.

Gen Ed: Well

PED 1005 WELLNESS MANAGEMENT

Two hours. Wellness concepts and activities designed to provide students with lifetime skills for optimal health. Requires participation in organized Wellness Center activities.

Gen Ed: Well

Any other PED course of student interest would be sufficient to meet the personal wellness category

Bachelor of Arts Humanities Requirement Recommendations

(Art, English, Modern Languages, Music, Philosophy, Religion, and Theatre)

Most Recommended:

ENG 3219 PERSUASIVE WRITING (*strongly recommended*)**

Four hours. Prerequisite: Successful completion of coursework that satisfies Effective Communication SLOs A and B. Study and practice of persuasive rhetorical techniques and the development of argumentative strategies.

Gen Ed: QI, EC-C

PHI 1109 WHAT IS PHILOSOPHY? (*strongly recommended for pre-med students*)

Four hours. Before we can approach the task of thinking philosophically, whether about ethics, religion, politics, art, knowledge, truth, or reality, we must first endeavor to understand how it is that one thinks philosophically. It is the aim of this course to answer this question by introducing the student to the basic divisions within philosophy in order to equip them with the skills necessary for further study. More generally, it is the goal of this course to invite the student into the practice of philosophical and critical thinking which could be applied to whatever course of study the student pursues.

Gen Ed: MV, QI

PHI 2204 ETHICS (*strongly recommended*)

Four hours. Ethics involves the exploration of fundamental questions of meaning and value: What is the nature of the good life? How ought we to treat one another? Are there basic rights all people enjoy, and, if so, what are they? Are there universal standards of morality, or are right and wrong relative to culture, historical period, or individual opinion? The course explores these questions through various philosophical theories and their practical applications.

Gen Ed: MV, QI

ART 1131 DRAWING I (*recommended for pre-dental students*)

Four hours. An introduction to various drawing media and methods of representation in line and tone.

ART 2220 CERAMICS I (*recommended for pre-dental students*)

Four hours. Creative pottery making, using various methods of hand building. Students learn to load and fire the kiln.

ART 2210 SCULPTURE I (*recommended for pre-dental students –prerequisite of ART 1120*)

Four hours. Prerequisite: ART 1120. Introduction to the use of traditional and contemporary sculptural media, modeling and plaster casting, clay and paper casts

PHI 4459 KNOWLEDGE, TRUTH AND REALITY

Four hours. Prerequisite: One other course in philosophy or permission of the instructor and successful completion of coursework that satisfies Effective Communication SLOs A and B. This course explores fundamental philosophical questions about knowledge, reality, and their relationship at an advanced theoretical level. Examples of questions addressed include: What is the nature and structure of reality? What are the nature, ground, and limits of human knowledge? Are reality and our knowledge of it fully objective or do they involve relativistic and/or subjective elements? What is the relationship between our linguistic descriptions of reality and reality itself? What are the relationships among the natural/social sciences, philosophical theory, cultural constructions, and subjective experience?

Gen Ed: MV, QI, EC-C

REL 3365 THEOLOGICAL & PHILOSOPHICAL THEMES IN CONTEMPORARY LITERATURE

Four hours. Same as PHI 3365. Prerequisite: Successful completion of coursework that satisfies Effective Communication SLOs A and B. This course examines the religious and philosophical themes in major literary works of the nineteenth and twentieth centuries.

Gen Ed: MV, EC-C

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Additional Options:

ENG 3304 MAJOR AUTHORS

Four hours. Prerequisite: Successful completion of coursework that satisfies Effective Communication SLOs A and B. The in-depth study of major authors—fiction or non-fiction—who have made a significant impact on the history of literature. Authors may include, but are not limited to, Shakespeare, Chaucer, Milton, Woolf, Faulkner, and Hemingway. The major author focus in a given semester may include two or three authors, such as Hawthorne and Melville or Anne, Charlotte, and Emily Bronte. This course may be taken more than once to allow for study of more than one author or grouping of authors.

Gen Ed: FA, EC-C

ENG 3310 AMERICAN LITERATURE II: 1865-2000

Four hours. Prerequisite: Successful completion of coursework that satisfies Effective Communication SLOs A and B. This course covers authors, works, and genres of American literature from approximately 1865 to 2000.

Gen Ed: FA, EC-C

PHI 3388 FUNDAMENTAL QUESTIONS IN THEOLOGY & PHILOSOPHY

Four hours. Same as REL 3388. Prerequisite: Successful completion of coursework that satisfies Effective Communication SLOs A and B. This team-taught course examines philosophical and theological perspectives on such matters as classical arguments for God's existence, atheistic critiques, the relationship between reason and revelation, life after death, the ground of morality, the problem of evil, religious experience, and religious language.

Gen Ed: MV, QI, EC-C

REL 2219 WORLD RELIGIONS AND PHILOSOPHIES

Four hours. Same as PHI 2219. Introduces students to the origins; founders; historical development; scriptures; fundamental concepts, such as views of ultimate reality, the meaning of life, and human hope; religious practices; personal and social ethics; culture context and impact; and contemporary relevance of the world's living religions and their associated philosophies.

Gen Ed: MV, SW, QI

REL 3378 DIALOGUES IN SCIENCE AND RELIGION

Four hours. Same as REL 3378. Prerequisites: any 1000 level or above course in the natural sciences and any 2000 level or above course in religion. Offered in the spring semester every other year. Considers the cultural, philosophical and intellectual factors that have contributed to the development of the relationship between science and religion in Western thought.

Gen Ed: MV

Bachelor of Science Social Science Recommendations

PSY 2209 DEVELOPMENTAL PSYCHOLOGY

Four hours. Suggested prerequisite: PSY 1106 or PSY 1110. Human development from conception to death with emphasis major emphasis on childhood, adolescence, and adulthood. Biological, cognitive, perceptual, language, personality, and social development are emphasized.

PSY 2214 ABNORMAL PSYCHOLOGY

Four hours. Suggested prerequisite: PSY 1106 or PSY 1110. Survey of the major areas of abnormal psychology with emphasis on current foundational areas of the field, including but not limited to the following: historical/theoretical foundations of approaches to psychological abnormality, clinical assessment/research, categories of abnormality, treatment strategies and cultural issues.

PSY 3309 BEHAVIORAL NEUROSCIENCE

Four hours. Prerequisite: PSY 1110. An in-depth evaluation of behavioral theory and its application in the real world (with emphasis on analysis and further development of research in the field).

Recommended Electives

PHP 1997 Intro to Health Professions (2 credits)

BIO 3989/CHE 2890- Professional Shadowing (1 credit)

ATP 1234 Medical Terminology (2 credits)