

Bryn Athyn College
Complete Course
Catalog
2014-15

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Undergraduate Courses

The College administration will make every effort to offer the courses listed in this catalog but reserves the right to cancel courses if necessary.

Students may take courses above their year level only with the permission of both the instructor and the appropriate department chair.

Descriptors in parentheses following a title indicate which skills or disciplines the course fills in the Core requirements:

- (EE) Experiential Education
- (EEC) Experiential Education Component
- (IL) Information Literacy
- (PP) Public Presentation
- (QR) Quantitative Reasoning
- (W) Writing Intensive

Anthropology

Anthropology 110. An Introduction to Cultural Anthropology.

Introduction to the theories and methods of cultural anthropology, and to the concept of culture. Focuses on the basic institutions of culture such as ritual, technology, and progress as predicates for modern human society. Though not a world cultures course, includes consideration of the variety of human cultures as they exist today, or as they once existed.
3 Credits.

Anthropology/History 211. Artifacts, Archaeology, and Museums. (W)

Introduction to the theories and methods used to interpret how objects provide evidence for history and express a society's values, ideas, and attitudes. Includes examination of archaeological method and ethics, and the use of objects in a museum setting. Use of hands-on projects and visits to Bryn Athyn's historical district and other local sites.
3 Credits.

Anthropology 213. World Pre-History.

Using world archaeological sites as stepping stones, creates a narrative of prehistory from Australopithecus through the advent of urban civilization in South and Western Asia. Focuses on three general revolutions in human history: 1) the emergence of the genus Homo with all its modern attributes; 2) the development of agriculture and animal husbandry as cultural practices during the Neolithic; 3) the coming together of humans in cities and states, and the ramifications for human society. Prerequisite: Anthropology 110 or instructor permission.
3 Credits.

Anthropology 240. Anthropology of Religion.

This course presents a theoretical perspective on religion as a cultural phenomenon. It explores the functional relationships within a variety of belief systems. It compares them across cultures and time, and, in particular, considers their intersections with subsistence strategies and political systems. Topics include: the roles of symbols and practitioners, myth and ritual, magic and cultic practice, & secularism and fundamentalism in traditional and world religions.
3 Credits.

Anthropology 260. Human Evolution.

Introduction to human evolution and evidence of physical anthropology from the various subfields. Areas include paleoanthropology, primatology, molecular anthropology (population genetics), and to some extent evolutionary biology. Specific issues covered include the primate roots of human behavior, brain and language evolution, new and classic fossil hominids, the origin of anatomically modern humans, and human biogenetic variations. Prerequisite: Anthropology 110 or Biology 122 or instructor permission.

3 Credits.

Anthropology 315. The Indus Civilization

This seminar course focuses on northwest India and Pakistan from the beginnings of food production to the Iron Age. Explores what is known from archaeology about the cultural history of the region, including the architecture, religion, pottery, and writing system of the Indus Civilization, as well as its trade relations with other urban centers of the greater Near East.

3 Credits.

Anthropology 320. Genocide.

Seminar course on genocides in the 20th century. Focuses primarily on the cases of Ottoman Armenia, The Holocaust, and Rwanda. Through primary and secondary literature, examines the cultural context, historical background and legal frameworks, denialist projects, and memorializations. Political and psychological ramifications in the descendant communities of victims and victimizers are considered, as well as reparation processes. Prerequisite: Anthropology 110 or any history class, or instructor permission.

3 Credits.

Biology

Biology 110. Environmental Science. (QR)

Geared for non-majors. Includes basic biological and chemical principles as well as concepts from ecology, earth science, and conservation biology. Discussion of the impact of industrial society on the quality of our environment (land, air, water, and natural ecosystems). Laboratory included.

4 Credits.

Biology 122. Introduction to Biology: Genetics and Evolution.

Introduction to principles of genetics and evolution; one of a two-course gateway series that is required for prospective biology majors. Includes Mendelian and non-Mendelian inheritance, quantitative genetics, evolution, natural selection, genetic drift, kin selection, speciation, molecular evolution, and phylogenetic analysis. Course concludes with a survey of the Kingdoms of life. Lab included.

4 Credits.

Biology 123. Introduction to Biology: Molecular Biology.

The second of a two-course gateway series that is required for prospective biology majors. Biological concepts are illustrated by means of molecular biology, from storage and maintenance of biological information necessary for life to its expression in the organism to diverse applications in health, medicine and food production. Topics include a general introduction to the cell and its components, cell division and the cell cycle, DNA structure and synthesis, chromosome structure and organization, mutations and their repair, genetic engineering, transcription and its regulation, the genetic code, and translation of genetic information to proteins. Lab included.

Prerequisite: Chemistry 101L or High School Chemistry.

4 Credits.

Biology 210. Human Anatomy and Physiology I.

First trimester of a two-trimester sequence dealing with the structure and function of the human body and mechanisms for maintaining homeostasis within it. Includes the study of cells, tissues, fluid and electrolyte balance, acid-base balance and integumentary, skeletal, muscular and nervous systems. Identification of anatomical structures using a "virtual" cadaver and preserved animal specimens will be required in the laboratory. Prerequisites: High School Chemistry and Biology 122 and 123, with a grade of "C" or better in each. Laboratory included.

4 Credits.

Biology 220. Human Anatomy and Physiology II.

Continuation of the study of the structure and function of the human body and the mechanisms for maintaining homeostasis within it. Includes the study of the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary and reproductive systems, as well as the concepts of development and metabolism. Identification of anatomical structures using a "virtual" cadaver and preserved animal specimens will be required in the laboratory. Some hands-on dissection. Prerequisite: Biology 210 with a grade of "C" or better. Laboratory included.

4 Credits.

Biology 225. Ornithology.

The study of the morphology, physiology and ecology of diverse groups of birds. Includes classification, systematics and biogeography of bird taxa. Emphasis on how the study of birds aids in the understanding of fundamental biological concepts, such as evolution; and how adaptive radiation shapes form and function. Laboratory exercises and field trips introducing fundamental field techniques, especially those used in biodiversity surveys and experimental studies. Prerequisites: Biology 122 and 123. Laboratory included.

4 Credits.

Biology 230. Genetics.

Study of the process of heredity at a more advanced level than Biology 122. A problem-solving, seminar-oriented course integrating principles of evolution, classical Mendelian genetics, non-Mendelian inheritance patterns, chromosome mapping and mutations, sex determination, extra nuclear inheritance, and the following subcategories of genetics: behavioral, population, evolutionary and conservation. Prerequisites: Biology 122 and 123.

3 Credits.

Biology 232. Cell Structure and Function. (PP)

Study of the structure-function relationship in cells. Illustration of molecular principles upon which cellular structure and function depend. Foundation course for all other molecular biology courses. Prerequisites: Biology 122 and 123 and Chemistry 110.

3 Credits.

Biology 235. Ecology.

Study of the physical, chemical, and biological processes that determine the distribution and abundance of plants, animals, and microbial life. Energy flow, food webs, adaptation of species, population dynamics, species interactions, nutrient cycling, and ecological succession. Prerequisites: Biology 122 and 123. Laboratory included.

4 Credits.

Biology 240. Botany.

Introductory study of plant diversity, form, and function. Topics include evolution, classification, structure, reproduction, development, and physiology in plants. Prerequisites: Biology 122 and 123.

3 Credits.

Biology 245. Zoology.

Exploration of the animal kingdom, including: systematics, anatomy, and physiology. Topics consist of basic concepts of zoology, diversity of major groups of invertebrate and vertebrate animals, evolutionary relationships, structure and function of vertebrate and invertebrate organ systems, and evolutionary development of organ systems. Includes a lab with hands-on activities focused on selected taxa. Prerequisites: Biology 122 and 123. Laboratory included.

4 Credits.

Biology 250. Microbiology.

Introduction to the morphology, physiology, genetics, and ecology of bacteria and fungi, as well as the structure and replication of viruses. Overview of microorganisms, with emphasis on those organisms involved in the natural history of human disease. Prerequisites: Biology 122 and 123. Laboratory included.

4 Credits.

Biology 310. Molecular Biology: DNA and Gene Expression.

In depth study on the structure and function of the genetic material, DNA, how it is replicated and how genes are regulated and expressed. Topics include the structure of DNA and chromosomes, DNA replication, DNA damage and repair, transcription, RNA splicing, translation, transcriptional regulation in prokaryotes and eukaryotes, and the structure and function of regulatory RNAs. Prerequisites: Biology 230 and Chemistry 210.
3 Credits.

Biology/Chemistry 315. Principles of Biochemistry.

Protein structure, dynamics, folding, and methods of purification and analysis. Methods of enzymology and a review of representative enzyme mechanisms. Membrane structure and function and the operation of membrane proteins in the electron transport chain and oxidative phosphorylation. A special topic of protein science explored in student projects. Prerequisites: Biology 232 and Chemistry 210.
3 Credits.

Biology 340. Marine Ecology. (IL)

Study of factors that influence the distribution, abundance, and diversity of marine organisms. Topics include physical characteristics of marine and coastal habitats, larval recruitment, and community interactions. Habitats include open ocean rocky shore, tidal flats, beaches, mangrove, sub tidal areas, estuaries, and coral reefs. Prerequisites: Biology 235 and Chemistry 110.
3 Credits.

Biology 355. Cancer Biology.

Focus on how cells and organs interact via biochemical signaling mechanisms. Special attention to the mechanisms that govern the cell cycle and how a disrupted cell causes cancer. Cancer and various treatments discussed. Prerequisites: Biology 230 and Biology 232.
3 Credits.

Biology 360. Environmental Science.

Study of local, regional, and global environmental issues primarily from a biological and chemical perspective. May include issues of environmental policy and economics, engineering, and ethics. Course project and presentation required. Prerequisites: Biology 235 and Chemistry 111.
3 Credits.

Biology 373. Biological Laboratory Techniques: Molecular Biology.

Junior level biology laboratory course supporting Biology 230, 232, 310, 315, and 355. A mixture of theoretical and practical experience in techniques used in molecular biology, including PCR and cell-based cloning, nucleic acid hybridization, genomic structure analysis, proteomics, bioinformatics, protein expression and analysis, and culturing and identifying microbiological organisms. Laboratory reports and scientific writing skills integral. Co-requisite or prerequisite: Biology 230 and Biology 232.
2 Credits.

Biology 380. Research Seminar

Exploration of the breadth of biology career paths and research options. Guest speakers from various biological and medical fields present their work and educational background. Students choose topics for senior project proposals and research methods for discipline specific literature searches. Senior project proposals with references are due by end of term. Discipline-specific resumes and C.V. developed. Course is pass/fail for biology majors.
1 Credit.

Biology 490. Biology Seminar I.

Broadened exposure to active areas of biology and reading current literature. Students encouraged to read and present reviews of current literature related to their senior projects. Required of seniors in the biology major and open to seniors in the ID major who are studying biology.
1 Credit.

Biology 491. Biology Seminar II.

Review of current ethical issues in science. Integrity in biological research and publication; discussion of the use of humans and animals in research, intellectual property, and other topics. Required of seniors in the biology major and open to seniors in the ID major who are studying biology.

1 Credit.

Biology 492. Biology Seminar III.

Public presentation of undergraduate biological research. Required of seniors in the biology major and open to seniors in the ID major who are studying biology.

1 Credit.

Biology 495. Senior Project.

Independent research project or scholarly study under the supervision of faculty members. Topic chosen by mutual agreement between student and supervisor. Limited to and required of biology majors. Senior project proposals are required in the spring of junior year.

3 Credits.

Biology 298, 398. Biology Internship. (EE)

Credit and requirements variable. Proposals must be approved by head of major. Students may apply for Biology 298 after one year and at least two 200- or 300-level biology courses, and for Biology 398 after two years of study and at least three 200- or 300-level biology courses and Chemistry 110/111. Course may be repeated for credit.

Internships at other institutions must be applied for and arranged by the student.

Credit variable.

Business

Business 141. Accounting I.

Introduction to basic financial accounting principles, the accounting cycle, the preparation of financial statements, and the use of computer spreadsheets.

3 Credits.

Business 142. Accounting II.

Interpretation of financial statements and the use of accounting information as a tool for making business management decisions. Use of computer spreadsheets emphasized. Prerequisite: Business 141.

3 Credits.

Business/Psychology 202. Human Resource Management. (PP)

(Also known as industrial and organizational psychology.) Exploration of the application of psychology to the workplace environment, such as business, government, and non-profit organizations. Major areas of study include work motivation, teams and teamwork, personnel decision-making, performance appraisal, leadership, and diversity in terms of gender, race, and personality type. Attention given to New Church concepts of conscience, discriminatory charity, and use as they apply to adult employment in our current workforce. Prerequisite:

Psychology 101, a business/economics course, or permission of instructor.

3 Credits.

Business/Computer Science 215. Management Information Systems.

This course examines how digital information can be stored and organized to benefit organizations. Topics include strategic use of information, ethical issues in handling information, software options, and concept maps for design. Tools used include spreadsheets, databases, and report writing software. Prerequisites: Computer Science 105 or permission of instructor.

3 Credits.

Business/Writing 220. Business Communications. (W)

Business Communications is a workplace-oriented course designed to help students develop and refine the written and oral skills necessary to communicate effectively in professional settings. Students will review the purpose and style of business writing and complete a variety of focused writing exercises based on actual work

settings and scenarios. Students will also plan, compose and analyze letters, memoranda and electronic messages; prepare and present brief oral presentations, collaborate with others and revise business communication.

3 Credits.

Business 254. Principles of Marketing.

Focus on customer behavior, promotion, channels of distribution, product, and pricing, with emphasis on formulating marketing plans and strategies in a global and culturally diverse environment.

3 Credits.

Business 257. Principles of Management.

Fundamentals of management including the contributions of F.W. Taylor, Peter F. Drucker, and W. Edwards Deming. Special attention to business ethics, leadership, the Quality Movement, and ISO Teamwork 9000 certification. Group projects, business seminars.

3 Credits.

Business 267. Introduction to Sports Management.

This course highlights the need for trained sport management professionals by examining the history of sport. This course also provides analysis of effective management strategies and the body of knowledge associated with pursuing a career as a manager in the sport industry. Functional management, strategic planning, decision making, leadership style, managing conflict and change, motivation of a workforce, and career opportunities in different sport environments will be explored. Prerequisite: Sophomore standing.

3 Credits.

Business 301. Business Ethics. (Moral)

This capstone course and its associated project focus on the analysis of moral principles and their application to decision making in business. Includes an overview of philosophical and theological ethical theories, including New Church ethics. Major focus on the analysis of ethical concerns in actual case studies from business, involving issues such as down-sizing, whistle-blowing, competition vs. cooperation, and social responsibility.

3 Credits.

Business 302. Corporate Social Responsibility.

This course includes application of New Church/Swedenborgian ethical responsibility in business strategic planning and management. Particular focus on corporate leaders who are using an ethical worldview when partnering with government regulators, donating to non-profits through foundations, or managing sustainable supply chains. Students will strengthen their teamwork skills in various class projects. Ethical reasoning theories are drawn from psychology and theology to explain the socially responsible actions of corporate leaders. Prerequisite: Junior standing.

3 Credits.

Business 305. Business Seminar.

A seminar course featuring speakers from a variety of professional backgrounds. Students will be expected to interview and introduce these speakers, and lead follow-up discussions on the material they present. May be repeated for credit.

1 Credit.

Business 320. Financial Management.

Introduction to business finance, the role of the chief financial officer, and financial tools used by management. Emphasis on management of revenue and expenses, application of basic financial concepts to the solution of organizational problems, analysis of the short and long-term financial needs of an organization, and selection of most feasible course of action to secure best possible financial outcome and allocation of resources. Topics of present value, stock and bond valuation, capital budgeting, financial forecasting, and capital structures also examined. Prerequisite: Business 141.

3 Credits.

Business 351. Introduction to Business Law.

Legal enforcement of obligations and the function of law in modern business. The establishment and enforcement of contractual obligations. The establishment of an agency relationship and its effect on third parties.

3 Credits.

Business/Mathematics 380. Linear Models and Methods for Optimization.

Introduction to basic methods of operations research. Review of linear systems; linear programming, including the simplex algorithm, duality, and sensitivity analysis; formulation of integer programs; transportation and scheduling problems. Prerequisite: Mathematics 230 and competence in programming.

3 Credits.

Business 298, 398, 498. Business Internship. (EE)

Proposals must be approved by Internship Director. Students may apply for Bus 298 or 398 after at least two 200 or 300 level business courses. Internships are encouraged to be in the student's field of ID study and their capstone paper.

Credits and requirements variable.

Chemistry

Chemistry 101. Introduction to Chemistry.

Introduction to college chemistry. Course designed with two audiences in mind—students preparing for general chemistry, and non-science majors. No prior chemical knowledge assumed, but mathematical skills equivalent to Mathematics 100 expected. Topics covered include atomic theory, organization of matter, the mole concept, naming of chemical compounds, chemical bonding and reactions, phases of matter, and kinetics.

Laboratory included.

4 Credits.

Chemistry 110. General Chemistry I.

First year chemistry course for science majors. Topics include atomic structure, quantum mechanics, electron configuration, chemical bonding, molecular geometry, and the periodic table, classifications of matter, stoichiometry, and reactions in solution, gases, and thermochemistry. First half of sequence with Chemistry 111.

Prerequisite: One year of high school chemistry with a grade of C or better or Chemistry 101 or Earth Science 110.

Laboratory included.

4 Credits.

Chemistry 111. General Chemistry II. (QR)

Continuation of Chemistry 110. Topics include intermolecular forces, physical properties of solutions, chemical kinetics, chemical equilibrium, acids and bases, solubility, thermodynamics, and electrochemistry. Prerequisite: Chemistry 110.

Laboratory included.

4 Credits.

Chemistry 210. Organic Chemistry I.

Second year chemistry course for science majors. Topics include molecular orbital and hybrid orbital theory and bonding, chemical energetics, alkanes, alkenes, halo alkanes, alcohols, alkynes, dienes, stereochemistry, and classes of reactions and reaction mechanisms. Laboratory includes basic techniques in organic chemistry and computer based molecular modeling. First half of sequence with Chemistry 211. Prerequisite: Chemistry 111.

Laboratory included.

Laboratory included.

4 Credits.

Chemistry 211. Organic Chemistry II.

Continuation of Chemistry 210. Topics include spectrophotometric identification of organic compounds, arenes, esters, epoxides, aldehydes and ketones, carboxylic acids and acid derivatives, and condensation reactions.

Emphasis on biological applications of organic chemistry. Laboratory includes synthetic techniques and computational chemistry. Prerequisite: Chemistry 210.

Laboratory included.

4 Credits.

Biology/Chemistry 315. Principles of Biochemistry.

Protein structure, dynamics, folding, and methods of purification and analysis. Methods of enzymology and a review of representative enzyme mechanisms. Membrane structure and function and the operation of membrane proteins in the electron transport chain and oxidative phosphorylation. A special topic of protein science explored in student projects. Prerequisites: Biology 232 and Chemistry 211.
3 Credits.

Communication

Communication 100. Public Speaking for ESL Speakers

Specific attention to clear pronunciation in English, as well as to building confidence in speaking fluently with English inflection and rhythm. Through public speaking assignments students will draft, practice, and deliver speeches to improve their spoken English abilities.
3 Credits.

Communication 105. Public Speaking. (PP)

Exposure to a variety of speaking situations designed to address inhibitions and develop self-confidence. Class work features impromptu and prepared speeches, as well as oral interpretation of literature and choral speaking. Work on voice and speech improvement as well as command of body language.
3 Credits.

Communication 205. Intermediate Public Speaking (PP)

Advances student's ability to organize and deliver public presentations of varied kinds, using basic skills covered in Communication 105, but with introduction of more demanding professional techniques, more challenging assignments, and more fine-tuned cultivation of all skills. Some attention will also be given in this class to job interview skills. Prerequisite: Communication 105 with a grade of C or higher, or permission of the instructor.
3 Credits.

Computer Science

Computer Science 105. Introduction to Computer Systems.

Discussion of how computers and networks work; introduction to web page construction, including basic JavaScript programming; introduction to database design and queries.
3 Credits.

Computer Science 160. World Wide Web Development.

Introduction to the elements of web site design. The course includes technical aspects of web creation and design considerations for information delivery and usability. Prerequisite: Computer Science 105 or familiarity with computers.
2 Credits.

Computer Science 180. Structured Programming. (QR)

Language elements and applications. Algorithm development. Introduction to data structures. Prerequisite: Some experience with programming or permission of instructor.
3 Credits.

Computer Science 210. Additional Languages.

A guided self-study course in which students learn an additional language or the advanced features of a language they already know. May be taken, with different languages, up to three times. Prerequisite: Computer Science 180 and permission of instructor.
1-3 Credits.

Computer Science 220. Introduction to Data Structures.

Stacks, Queues, Linked Lists, Trees, Heaps, Sorting, Searching, Complexity, Dynamic programming. Prerequisite: Computer Science 180.
3 Credits.

Computer Science/Mathematics 235. Discrete Structures.

Mathematical foundations for the analysis of computer systems. Recursive functions, sets, graph theory, and combinatorics. Prerequisite: Computer Science 180 or permission of instructor.
3 Credits.

Computer Science 260. World Wide Web Languages.

Companion course with Computer Science 160. Projects will involve JavaScript, PHP, and XML. Prerequisite: Computer Science 180. Co-requisite: Computer Science 160.
1 Credit.

Dance

Dance 130. Musical Theater Dance. (EEC)

Musical Theater Dance introduces students to a variety of dance styles used in American Musical Theatre. Students will learn tap and jazz dance technique as well as specific dances from Broadway musicals choreographed by Robbins, Fosse, Champion, and more. Includes an overview of the history of Broadway, specific to dance styles and choreographers. Course culminates in a final performance. Course may be repeated once for credit. Also serves as a PE course.
1.5 Credits.

Dance 131/231. Modern Contemporary Dance. (EEC)

Beginner (Dance 131) and Intermediate (Dance 231) course in contemporary modern dance. Students develop technique and body awareness, and deeper understanding of modern dance and its place in the art world. Explore the diversity and commonality of human experience and values through the medium of dance. Includes choreography projects and culminates in a public performance at the Fall Dance Concert. Course may be repeated once for credit. Prerequisite for Dance 231: Dance 131 or instructor's permission. Also serves as a PE course.
1.5 Credits.

Dance 132/232. Jazz Dance. (EEC)

Beginner (Dance 132) and Intermediate (Dance 232) course in Jazz dance technique. Students learn jazz dance technique and develop creativity, flexibility, coordination, and rhythm. Dan 232 includes choreography projects, and both levels culminate in a public performance at the end-of-term concert. Course may be repeated once for credit. Prerequisite for Dance 232: Dance 132 or instructor's permission. Also serves as a PE course.
1.5 Credits.

Dance 133/233. Tap Dance. (EEC)

Beginner (Dance 133) and Intermediate (Dance 233) course in tap dance. Introduction to and development of the fundamentals of tap dance technique. Emphasis is given to basic steps and terminology, building combinations, musicality, and coordination, leading to final performance. Course may be repeated once for credit. Prerequisite for Dance 233: Dance 133 or instructor's permission. Also serves as a PE course.
1.5 Credits.

Dance 134/234. Ballet. (EEC)

Beginner (Dance 134) and Intermediate (Dance 234) course in ballet technique. Introduction to and development of the fundamentals of ballet technique and vocabulary, emphasizing alignment, stretching and strengthening, flexibility, kinesthetic awareness, line and movement phrases. This course culminates in a public performance at the end-of-term concert. Course may be repeated once for credit. Prerequisite for Dance 234: Dance 134 or instructor's permission. Also serves as a PE course.
1.5 Credits.

Dance 160/260/360. Dance Ensemble. (EEC)

A dance repertory course for the performing artist. Rehearsing and performing pieces choreographed by faculty and guest artists. Styles may include contemporary, jazz, hip-hop, ballet, and/or tap. Each student will be involved in several different pieces of choreography. Course culminates in public performance. Dance 260 includes collaboration on a choreography project or a solo choreography project. Dance 360 involves choreographing and teaching a group piece of choreography to the class to be performed at the end of term concert. Course may be repeated for credit.

1.5 Credits.

Dance 240. Creative Movement and the Young Child.

This course will explore ways in which children develop through creative movement activities based on developmentally appropriate practice. Special emphasis will be placed on integrating creative movement with other learning activities. Students will have the opportunity to work on projects that incorporate creative movement with their own areas of interest as potential teachers/caregivers. Students will also explore multicultural elements of dance and movement.

1.5 Credits.

Dance 241. History of 20th Century American Dance.

Survey of concert dance forms (ballet, modern/contemporary, jazz/musical theatre, tap in America in the 20th century. Course includes readings, lectures, films, discussions, and analysis of individual styles and cultural trends. Course culminates in a research project on a specific dance form or choreographer, focusing on how the form or individual developed in relation to cultural trends.

3 Credits.

Dance 331: Advanced Modern Contemporary Dance. (EEC)

Students continue to develop as dancers through learning more complex technique, progressions, and combinations, as well as engaging in improvisational exercises. Emphasis is on increasing accuracy of articulation, range of movement, and moving the body as a cohesive unit. Includes critique of modern and contemporary dance choreography and culminates in a public performance. Course may be repeated once for credit.

Prerequisite: Dance 131/231 or instructor's permission.

1.5 Credits.

Dance 340. Pedagogy. (EEC)

The use of pedagogical principles for the conduct and organization of dance lessons in modern, jazz and ballet. This course covers instruction strategies, lesson planning, class management, motivation of students, class observations, and a teaching assignment. Prerequisite: permission from the instructor.

3 Credits.

Dance 342: Choreography & Composition. (EEC)

Focuses on the process of creating original dance compositions. Explores the elements necessary to dance composition, such as time, space, energy, form, design, and dynamics through improvisational exercises, the manipulation of movement, and the development of critical and analytical thinking. Students will compose a solo piece of choreography, accompanied by a statement of purpose for their piece, which will be performed at the end of the term. Course may be repeated once for credit. Prerequisites: Two terms of the following: Dan 131/231, Dan132/232, Dan 134/234, or instructor's permission.

1.5 Credits.

Dance 298/398/498. Dance Internship. (EE)

Requirements variable. Proposals should be submitted to the Department Chair. Art internships are open to students in sophomore year or above who have completed at least two art, dance, or music courses.

Credits variable.

Earth Science

Earth Science 110. Introduction to Physical Geology and Meteorology.

Introduction to mineralogy; igneous, sedimentary, and metamorphic petrology; rock cycle and structural geology. The evolution of continents Introduction to oceanography. The atmosphere and atmospheric motion, climate, and climatic zones. Earth as a part of the solar system. Prerequisite or co-requisite: Mathematics 101 (or placement out of Mathematics 101). Laboratory included.

4 Credits.

Earth Science 215. Geographical Information Systems.

Fundamentals of rapidly developing Geographical Information System (GIS) technology. The students learn applications for decision making, planning, and presentation of spatial data for many disciplines such as earth science, geography, health, ecology and history. Emphasis on data preparation, analysis and presentation. Includes lab exercises that illustrate the typical steps in a GIS project. ESRI's ArcView or QGIS, and Google Earth software will be used throughout the course. Prerequisites: Computer Science 105 or proficiency with Excel and permission of instructor. Lecture and laboratory exercises will be combined in each session.

3 Credits.

Economics

Economics 131. Macroeconomics. (QR)

Study of the fundamentals of economic analysis with emphasis upon national output, employment, and price levels. Exploration of the monetary and financial system together with problems of economic stability. Special attention given to the role of government fiscal and monetary policy in managing the economy. Consideration of current issues such as economic growth, federal budget deficits, and the role of the Federal Reserve Bank. Course includes student-led seminars.

3 Credits.

Economics 132. Microeconomics. (QR)

Study of the fundamentals of economic analysis with particular emphasis upon consumer demand behavior and the output and pricing decisions of business firms under various market structures. Special attention given to the role of ethics in the behavior of business executives and consumers. Consideration of current issues such as health care, energy policy, and government intervention in the market. Course includes student-led seminars and group projects.

3 Credits.

Economics 231. Development Economics.

This course focuses on studying the process of economic growth and development in both developed and developing nations. Students will approach these economies by looking at empirical data, theoretical models of growth, emerging industries and their economic effects, the role of FDI, the effect of government and private capital and government trade policies.

3 Credits.

Economics 232. Intermediate Microeconomics.

An intermediate treatment of microeconomic thinking. Topics include consumer behavior, production, competition, externalities and the entrepreneurial function. This course will also explore the origins of economic theory.

3 Credits.

Education

Early Childhood Education Courses

*Course requires field experience

Education 128. Introduction to the Theory and Practice of Education.

Aspects of a career in teaching are explored within the context of New Church and secular educational philosophy. General topics covered include: teaching as a profession, the learner, basic educational philosophies/models, and designing and implementing instruction. Students are required to observe in either an elementary or secondary school New Church classroom and participate in at least three field trips to other schools. Prerequisite for many education courses. Experiential learning opportunities are available.
3 Credits.

Education 202. Moral Education.

Students will learn strategies for teaching respect and responsibility and their derivative values. Special attention will be given to the role of storytelling in moral education. The course will also cover conflict resolution in a school setting as well as in other contexts.
3 Credits.

Education 217. Language, Literacy, and Numeracy.

Exploration of theoretical and application-based learning in emergent language, development theories, and language-rich environments. Taken in conjunction with field experience (FE II) which provides numerous opportunities for observation and application of learning. Includes 1 hour of English Language Learner (ELL) instruction.
3 Credits.

Education 218. Literacy Instruction for Young Learners I.

Exposes students to theory and practice in literacy instruction, pre-kindergarten through grade 4. Emphasis on emergent literacy, techniques and skills of teaching reading and language arts, evaluation and assessment. Taken in conjunction with FE III. Includes 1 hour of ELL. Prerequisite: Education 128 or Education 217.
3 Credits.

Education 219. Literacy for Young Learners II.

Exposes students to theory and practice in literacy instruction, pre-kindergarten through grade 4. Emphasis on Language Experience Approach (LEA), guided reading, and application of approaches across disciplines with various materials. Includes 1 hour of ELL. Taken in conjunction with FE III. Prerequisite: Education 218.
3 Credits.

Education 260. Educating for Sustainability

This course will look at the history of western science and the emergence of complex systems science which provides the basis for understanding issues of sustainability. The students will examine sustainability issues from a systems perspective to see the interrelated environmental factors, economic factors, and problems of social inequity. Students will learn about the natural laws that underlie environmental problems- the law of limits to growth and the second law of thermodynamics. This course will also examine best practices for educating others regarding sustainability. The students will apply what they have learned in the course to a sustainability issue on the Bryn Athyn College campus. This course will have a QR component. Prerequisite: Math101.
3 Credits.

Education 271. Introduction to Early Childhood Education.

Develop basic knowledge, skills and dispositions in preparing students to teach in early childhood classrooms. Teaching young children from a background of New Church spiritual philosophy, major theories and cultural perspectives. Emphasis on DAP (developmentally appropriate practice) involving integration of learning goals with child's play activities and investigations; diverse needs and the process of building a collaborative model with family and community. Prerequisite: Education 128.
3 Credits.

Education 272. Child Development: Birth - Five Year Olds.

Emphasis on normal sequences in physical/motor, social, emotional, cognitive, language, creative, moral and spiritual development. Reviews various types of exceptionality among individuals (e.g. retardation, giftedness, etc.). Consideration of the nature/nurture debate and resilience in at-risk children. The varied influences on development and learning of the whole child considered. Theories of child development will be re-examined and applied. Content from research, observations and life experiences will be addressed. Teachings about human development from the theology of Swedenborg are analyzed. Prerequisite: Education 271.

3 Credits.

Education 273. Child Development: Five - Nine Year Olds.

Emphasis on normal sequences in physical/motor, social, emotional, cognitive, language, creative, moral and spiritual development. Review of various exceptionalities among individuals (e.g. retardation, giftedness, etc.). Consideration of the nature/nurture debate and resilience in at-risk children. The varied influences on development and learning of the whole child considered. Theories of child development will be re-examined and applied. Content from research, observations and life experiences will be addressed. Teachings about human development from the theology of Swedenborg are analyzed. Prerequisite: Education 271.

3 Credits.

Education 322. Social Studies and the Young Child.

Emphasis on the skills and attitudes taught within social studies and developed in early childhood programs. Special attention to state standards as well as New Church competencies through the study of units, multicultural experiences, and the methods and materials for teaching social studies. Taken in conjunction with FE II. Open only to 3rd year students. Prerequisites: Education 128 and 271.

3 Credits.

Education 323. Math and the Young Child (QR).

An exploration of principles, methods, and materials for teaching children math concepts and process skills through discovery and play. Students connect the sequence of cognitive development to the acquisition of mathematical concepts. Taken in conjunction with FE III. Open only to third year students. Prerequisites: Education 128 and 271.

3 Credits.

Education 324. Science and the Young Child.

Students explore a variety of science experiences suitable for young children and compare theories of cognitive development as they relate to science. Emphasis on the nature of science and how young children perceive and conceptualize the world around them.

3 Credits.

Education 331. Seminar in Planning, Management and Assessment.

Builds on concurrent field experiences to help students create and modify environments and experiences to meet the individual needs of all children. Uses knowledge of how children develop and learn to provide opportunities that support the implementation of curriculum, instructional practices, and assessment. Students adapt strategies and environments to meet the specific needs of children. Prerequisites: Education 128 and 271.

1.5 Credits.

Education 332. Play, Movement, and Health.

Considers current research reflecting the latest developments in health, safety, nutrition and the role of play in learning. Emphasis on the responsibilities of a caregiver who works with children in the developmental stages of imagination.

1.5 Credits.

Education 333. Seminar on Art and Creative Expression.

Concepts related to creativity in the arts and the many media areas used by children to express themselves are introduced. Topics include: concepts of creativity and children's creative development; facilitation of children's creative expression; appreciation of children's art processes and products; art appreciation. Particular attention to New Church concepts of child development and spiritual growth as expressed in early learning and creative expression. Prerequisites: Education 128 and 271.

1.5 Credits.

*Education 402. Student Teaching. (EE)

For students not pursuing Pennsylvania State Certification. Taken in conjunction with Education 404 in lieu of HFC-EDUN 402 and 404. Includes at least 11 weeks of combined observation and teaching in an elementary classroom setting, supervised by a teacher from Bryn Athyn College Education Division and by a classroom teacher in the cooperating school. Offered when required. Open only to seniors in the education major.

3-12 Credits.

Education 404. Senior Seminar. (EE)

Meets once a week while students do senior teaching. Taken in conjunction with Education 402. Requirements include: creating a professional teaching portfolio, reflective documentation of the senior teaching experience, research project, creation of a full unit which the student teacher will teach during their senior teaching. Offered when required. Open only to seniors in the education major.

3 Credits.

Education 298, 398, 498. Education Internship. (EE)

Proposals must be approved by the head of major. Course may be repeated for credit.

Credit variable.

Field Experience I: Observation.

Field experience (FE) where students are observers in specific classrooms. This FE is taken in conjunction with courses offered in fall term and includes 15 hours of dedicated special education observation towards certification. Students will be assigned to a classroom for guided observation experience that directly relates to course work during the 2nd year. Not open to non-majors. Co-requisites: Education 217, 324, 331 and Special Education 312 or Education 271, 324, 331 and Special Education 312.

3 Credits.

Field Experience II: Exploration.

A candidate works under the teacher's supervision during individual tutorials or with a small group of students. Activities may include reading, math, and other subject matter experiences, tutoring children, small group conversations, outdoor play, and monitoring classroom routines and procedures. Includes 15 hours practice with special needs children. FE II is taken in conjunction with all winter term of the third year and provides students with 120 hours of observation and practice teaching. FE II occurs every Tuesday and Thursday of the term. Not open to non-majors; 3rd year students only. Co-requisites: Education 218, 322, 332 or Education 272, 322, 332; Special Education 313.

3 Credits.

Field Experience III: Pre-student Teaching.

Beginning of student teaching in which candidates teach various groups of students in schools and early learning settings. A combination of individual tutorials, small group, and whole class instruction at the selected grade level. Students work with materials that they have prepared for classroom instruction. A continuation of FE II, FE III gives students more independent practice in working with whole class instruction, integrating special needs and ELL students in their assigned classroom. Provides 120 hours of practice teaching and 15 hours with special needs children. Not open to non-majors; 3rd year students only. Co-requisites: Education 219 or 273; Education 323 and 333.

3 Credits.

Field Experience IV: Observation in Upper Grade Levels (New Church curriculum only).

For students intending to teach in the New Church school system. Students will need experience with upper grade levels and this FE provides them with an additional 75 hours of exposure and practice teaching with upper elementary students, in the 4th year. Co-requisite: Psychology 204.

3 Credits.

Field Experience V: Student Teaching.

Minimum of 12 weeks full-time student teaching in an assigned school. FE V is taken at Holy Family University (EDUN 402) under the supervision of their field placement office. International students will be supervised through Bryn Athyn College's field placement office.

Required of all education majors.

12 Credits.

Special Education 211. Introduction to Special Education.

Introduction to the types of learners who will need instruction and nurturing in the classroom. Every learner is unique, and some are unique in ways that make conventional classroom processes unworkable. Exposure to methods and materials that may make an approach to these students a joyful discovery of the fascinating range of learning styles that are available to human beings. Prerequisite: Education 128.

3 Credits.

Special Education 312. Collaboration, Assessment, and Management.

Competencies and skills needed to accommodate and adapt instruction for students with disabilities in an inclusive setting. Emphasis on the need for general educators, special educators, and families to share the goals, decisions, classroom instruction, and responsibility for students, assessment of student learning, problem solving, and classroom management. Taken in conjunction with FE II. Prerequisites: Special Education 211 and permission of area head.

3 Credits.

Special Education 313. Collaboration and Best Practice.

Builds on the foundation of the collaborative model and classroom management to give instruction to students with disabilities and to employ best practices in literacy-rich environments. Special attention to levels of interactivity and modifications to meet individual needs. Current best practices and research-based methodologies of curricular adaptations, including technology-based accommodations and modifications. Taken in conjunction with FE III. Prerequisites: Special Education 211 and permission of area head.

3 Credits.

English

Literature courses in this discipline fill the aesthetic requirement of the Core Program. 200-level English courses require Writing 101 as prerequisite. 300-level and higher require 200-level English.

English 100. English as a Second Language.

Designed for all incoming non-native English speaking students to facilitate their transition into the American academic environment, as well as the College's unique religious culture. Focus on both written and spoken American English. Emphasis on American literature, library research skills, and writing as a process that leads to proficiency.

3 Credits.

English 105. Introductory Literature Seminar

Introduction to college-level reading and analysis of literature. Emphasis on responding to literary media. Focus on engagement with a particular theme in stories, poems, plays, and/or films. Literary content will differ from year to year, depending on instructor and current interest. Course can be repeated once for credit when topic changes.

3 Credits.

English 204. Communications: Modern Film and the Mythological Hero's Journey.

Study of eight to ten 20th and 21st century films whose narratives demonstrate the archetypal pattern of the Hero's Quest, seen in ancient myths, fairy tales, folk tales, and sacred texts from around the world. Drawing upon J. Campbell's *The Hero with a Thousand Faces*, students examine the twelve stages of the hero's journey and unravel narrative constructs such as character arc, change and transformation, departure, initiation, and rites of passage. Comparison and contrast of these constructs with what revelation teaches about the journey of regeneration. Prerequisite: Writing 101.

3 Credits.

English 215. Great Books I. Classical Literature.

Study (in English) of selected texts from the Greeks and Romans, including works by such authors as Homer, Hesiod, the Greek dramatists, Virgil, and Ovid. Emphasis given to the themes of Classical mythology. Prerequisite: Writing 101.

3 Credits.

English 216. Great Books II. Renaissance and Neoclassical Literature of Western Culture.

Study (in English) of selected texts from the Renaissance and the Enlightenment, including works by Cervantes, Shakespeare, Moliere, Milton, Voltaire, Goethe, and others. Lecture/discussion. Prerequisite: Writing 101.

3 Credits.

English 217. Great Books III. 19th and 20th Centuries.

Study (in English) of selected 19th- and 20th-Century texts, including works by such authors as Shelley, Forster, Flaubert, Henry James, Dostoevsky, and Tolstoy. Prerequisite: Writing 101.
3 Credits.

English 218. American Literature I.

Chronological survey of 19th-Century American writers up to the rise of realism. Emphasis given to major figures in the American Renaissance: Hawthorne, Poe, Dickinson, Melville, Emerson, Thoreau, Whitman. Some lesser known writers included. Prerequisite: Writing 101.
3 Credits.

English 219. American Literature II.

Chronological survey of late 19th-Century and early 20th-Century American authors from Twain and the rise of Realism to Willa Cather, Edith Wharton, and Henry James. Prerequisite: Writing 101.
3 Credits.

English 220. English Literature Survey I.

Chronological overview of the development of English literature in England from the early medieval period through the civil war (mid 17th century). Lecture and discussion on such authors as Chaucer, Shakespeare, John Donne, Ben Jonson, and more. One student report and one research paper. Prerequisite: Writing 101.
3 Credits.

English 221. English Literature Survey II.

Chronological overview of the development of English literature in England from the late 17th century through the early 20th century. Lecture, discussion, guest speakers, student reports or projects, research paper on a chosen period or author. Continuation of English 220; English 220 not prerequisite. Prerequisite: Writing 101.
3 Credits.

English 235. Shakespeare. (W)

Study of selected Shakespearean tragedies, comedies, and histories. Lectures and collateral readings. Some films and group work. Background of the Elizabethan world. Prerequisite: Writing 101.
3 Credits.

English 245. Children's Literature.

Study of the textual characteristics of children's literature and the role this literature has played historically. Picture books, readers, stories, and adventure novels. May include authors such as Caxton, Grimm, MacDonald, Milne, and New Church writers. Written work includes projects and a children's story reflecting the trends studied. Prerequisite: Writing 101.
3 Credits.

English 310. Chaucer and Medieval English Literature.

Study of Chaucer as the major literary figure and influence from medieval English literature. Chaucer and his major works against the background of Anglo-Saxon and Norman culture and against fourteenth-century literary and religious movements as presented in such works as *Sir Gawain and the Green Knight*, *The Wyclif Bible*, and *The Book of Marjory Kempe*. Prerequisite: Writing 202 and any 200-level English course.
3 Credits.

English 314. The Poetry of Devotion. (W)

Examination (in English) of how the poetry of various times and cultures has served as a locus for the human soul's encounter with the Divine. May include authors such as St. John of the Cross, Herbert, Blake, Hopkins, Novalis, and Rilke, along with such non-Western poets as Mirabai, Kabir, and Rumi. Explores the poetry of temptation, ecstasy, and Scripture. Alternates with English 315. Prerequisite: Any 200-level English course.
3 Credits.

English 315. Modern American Poets. (W)

In-depth study of American poets of the twentieth century, including Robert Frost, Wallace Stevens, Ezra Pound, Langston Hughes, and Sylvia Plath, reflecting the range and variety of expression in modern American culture.

Prerequisite: Any 200-level English course.

3 Credits.

English 320. The English Language.

Study of the historical development of the language from Anglo-Saxon to Modern English, with focus on the culture and events that have shaped the language, and ways in which English has shaped cultures. Prerequisite:

Any 200-level English course.

3 Credits.

English 330. Elizabethan Literature.

Literary renaissance in England, together with its backgrounds and influence. Focus on representative writers in one of the major genres. Seminar presentations required. Prerequisite: Any 200-level English course.

3 Credits.

English 350. Eighteenth-Century English Prose and Poetry.

Study of the major writers of the period, including Defoe, Swift, Pope, Gibbon, Boswell, and Johnson, together with others whose works characterize the age. The literature is integrated with other aspects of culture—music, art, philosophy, and science—to offer a view of the England that Swedenborg found in his visits, including those to publish his theological works. Prerequisite: Any 200-level English course.

3 Credits.

English 360. Victorian Literature. (IL)

Study of selected literary figures of England from 1830 to 1900, with emphasis on trends in religion, philosophy, and science, and on the literary form of the novel. Prerequisite: Any 200-level English course.

3 Credits.

English 365: Topics in Literature.

In depth examination of a selected literary theme, movement, genre, or author. Specific title announced in the course bulletin when offered. Topics will make use of a professor's area of expertise and research. May be repeated for credit when different topics are offered. Prerequisite: Any 200-level English course.

3 credits.

English 367. The Modern Novel.

Study of selected early 20th-century novels. Emphasis on how these works reshape 19th-century forms and subjects to reflect changes (demographic, political, social) in the modern world. Includes such writers as James, Woolf, Faulkner, Hurston, and Hemingway. Prerequisites: Writing 202 and any 200-level English course.

3 Credits.

English 370. Twentieth Century Authors (after 1950). (W)

Major British and American authors, and others, writing in the post-World War II era. Focus on the novel. Includes such authors as Steinbeck, Maclean, Morrison, and O'Brien. Prerequisite: Any 200-level English course.

3 Credits.

English 490. English Major Writing Project.

Writing project for the writing track of the English major. Independent work in criticism, fiction, or poetry, guided by an advisor. Involves student over a two-term period of the senior year.

3 Credits.

English 491. English Major Writing Project.

Completion of the senior writing project.

3 Credits.

English 499. English Major Capstone Project

Writing project for the language and literature track of the English major. Supplemental to a 300-level English course, this credit involves extended independent research and writing beyond the scope of the course.
1 Credit.

English 298, 398, 498. English Internship. (EE)

Proposals must be approved by the head of major. Prerequisites: 2 courses in English above the 100-level. Course may be repeated for credit.
Credit variable.

Experiential Education

Experiential Education 198/298. Internship. (EE)

The internship course is open to students with a 2.7 GPA or above. It is a supervised, pre professional experience with clear links to a student's academic program. It is conducted primarily or totally outside a regular course classroom, and for which a student earns academic credit. It is organized primarily around an assignment in a work-place situation in which students working under the direction of a supervisor learn hands-on professional skills.

The internship course requires a learning plan, reflective component, and an analytical component (e.g., essay, paper, or presentation). Individual learning plans are retained in the office of Internship. This course satisfies the EE requirement.

Course may be repeated for academic credit. By arrangement.
Credit variable.

Experiential Education Service Trips.

Students completing a college sponsored service trip will fulfill their EE requirement for graduation.

Fine Arts

*course has a laboratory fee for materials used

Fine Arts 101. Aegean to Early Christian. (IL)

Introductory survey of architecture, sculpture, and painting covering Aegean, Greek, Etruscan, Roman, Early Christian, and Byzantine art. Study of works from Glencairn's collection. Trip to the Metropolitan Museum of Art in New York.
3 Credits.

Fine Arts 102. Renaissance and Baroque Art. (IL)

Introductory survey of the architecture, sculpture, and painting covering Renaissance, Reformation, and Counter-Reformation art. Includes artists such as Vermeer, Rembrandt, Michelangelo, da Vinci, Bernini, Caravaggio, and others. Trip to Metropolitan Museum of Art in New York.
3 Credits.

Fine Arts 112: Medieval Art and Its Revivals.

Using one of the finest collections of medieval art in the world (Glencairn Museum), this course surveys the art of Medieval Europe, particularly that of France, focusing on the evolution of sacred imagery, and how it reflects and shapes the attitudes of the period. It also covers medieval revivals in 19th century England and 19th/20th century America. Highlights include: Early Christian sculpture, Celtic manuscripts, Romanesque sculpture, Gothic cathedrals, and Gothic revivals including aspects of the Arts and Crafts movement. Students solve problems posed by some of Glencairn's pieces and develop a research topic. Students may not take both levels of this course for credit.
3 Credits.

*Fine Arts 120. Metal Work I.

Introduction to basic metalworking techniques in copper, brass, and silver including sawing, piercing, embossing, raising a bowl, cold joining, soldering, and setting cabochon stones. Inspired by the magnificent examples in Glencairn.

3 Credits.

Fine Arts 122. Metal Forging.

Introduction to artistic ironwork concentrating on hand-forged, wrought iron using traditional techniques. Inspired by the magnificent examples in Glencairn and Bryn Athyn Cathedral.

3 Credits.

*Fine Arts 125. Photography.

Introduction to the use of various cameras, darkroom techniques, alternative processing, and basic design.

3 Credits.

Fine Arts 123. Forging Workshop

A four-day intensive summer workshop. Instruction in basic forging techniques and introduction to the metal work in Glencairn Museum and Bryn Athyn Cathedral.

1 Credit.

Fine Arts 126. Stone Carving Workshop

A four-day intensive summer workshop. Instruction in basic stone carving techniques and introduction to the stonework in Glencairn Museum and Bryn Athyn Cathedral.

1 Credit.

Fine Arts 128. Stained Glass Painting.

Introduction to traditional and innovative techniques in glass painting. Inspired by the magnificent examples in Glencairn and Bryn Athyn Cathedral.

3 Credits.

Fine Arts 129. Stained Glass Painting Workshop.

A four-day intensive summer workshop. Instruction in glass painting techniques and introduction to the stained glass in Glencairn Museum and Bryn Athyn Cathedral.

1 Credit.

*Fine Arts 130. Ceramics.

Introduction to clay work including hand building, wheel throwing, slip casting, glazing, and firing processes. Also form function and representation.

3 Credits.

*Fine Arts 140. Drawing and Painting.

Introduction to basic techniques in drawing and painting. Oil painting project. Discussion of the development of the history of painting.

3 Credits.

Fine Arts 150. Introduction to the Building and Architectural Arts

Foundation course designed for all students pursuing the Associates Degree in Building and Architectural Arts. The course introduces three disciplines: glass painting, blacksmithing, and stone carving. Learning outcomes include discipline specific procedures, processes and techniques (such as proper use of tools), industry specific vocabulary, and the organization and maintenance of studios. Students will create one project in each discipline.

3 Credits.

Fine Arts/History 160. Art, Culture and History.

Examination of the art, culture, and history of a designated period and region. Special attention will be given to art as a form of religious and cultural expression. Serves as an intellectual foundation for Fine Arts/History 161:

Study Abroad. Offered in conjunction with Glencairn Museum.

3 Credits.

Fine Arts/History 161: Art, Culture, and History: Study Abroad.

Participation in an academic study abroad trip (2-3 weeks) focused on the period and region studied in Fine Art/History 160. Students are required to present research completed in Fine Arts/History 160 on site. Offered in conjunction with Glencairn Museum. Prerequisite: Fine Arts/History 160 in preceding term. Pass/Fail.
1 Credit.

Fine Arts 201. Aegean to Early Christian. (IL)

Introductory survey of architecture, sculpture, and painting covering Aegean, Greek, Etruscan, Roman, Early Christian, and Byzantine art. Study of works from Glencairn's collection. Trip to the Metropolitan Museum of Art in New York.
3 Credits.

Fine Arts 202. Renaissance and Baroque Art. (IL)

Introductory survey of the architecture, sculpture, and painting covering Renaissance, Reformation, and Counter-Reformation art. Includes artists such as Vermeer, Rembrandt, Michelangelo, da Vinci, Bernini, Caravaggio, and others. Trip to Metropolitan Museum of Art in New York.
3 Credits.

Fine Arts 210. Nineteenth and Twentieth Centuries. (IL)

Examination of the architecture, sculpture, and painting of the late eighteenth, nineteenth, and twentieth centuries in Europe, England, and America. Special attention given to artists influences by Swedenborg, including Flaxman, Blake, Powers, Page, Gaugin, Inness, Pyle, and Burnham.
3 Credits.

Fine Arts 212. Medieval Art.

Using one of the finest collections of medieval art in the world (Glencairn Museum), this course surveys the art of Medieval Europe, particularly that of France, focusing on the evolution of sacred imagery, and how it affects and shapes the attitudes of the period. Highlights include: Early Christian sculpture, Celtic manuscripts, Romanesque sculpture, and Gothic cathedrals. Students solve problems posed by some of Glencairn's pieces and develop a research topic related to a piece of their choice.
3 Credits.

Fine Arts 213. Topics in Twentieth-Century Architecture: Bryn Athyn's National Historic Landmarks.

Study of the conception of Bryn Athyn Cathedral, Glencairn, Cairnwood, and Cairncrest within the context of architectural developments at the turn of the twentieth century. The course uses resources in the Cathedral, John Pitcairn Archives, Glencairn, and the Raymond and Mildred Pitcairn archives, from which the students do original research on a topic of their choice.
3 Credits.

*Fine Arts 220. Metal Work II.

Continuation of FA 120 introducing new techniques in copper, silver, gold foil, cloisonné, and the setting of faceted stones. Inspired by the magnificent examples at Glencairn. Prerequisite: Fine Arts 120.
3 Credits.

Fine Arts 222. Intermediate Metal Forging.

Focusing on architectural ironwork design and construction, this course refines the skills learned in FA 122. Includes opportunities for self-expression and creative thinking. Inspired by the magnificent examples in Glencairn and Bryn Athyn Cathedral. Prerequisite: FA 122.
3 Credits.

Fine Arts 228: Intermediate Stained Glass Painting

Focusing on architectural stained glass design and construction, this course refines the skills learned in FA 128. Includes opportunities for self-expression and creative thinking, repair and restoration of historic glass. Inspired by the magnificent examples in Glencairn and Bryn Athyn Cathedral. Prerequisite: FA 128.
3 Credits.

*Fine Arts 230. Intermediate Ceramics.

Further development of individual skills and sensitivities in the medium of clay. Prerequisite: Fine Arts 130.
3 Credits.

*Fine Arts 240. Intermediate Painting.

Introduction of more materials and techniques as well as more advanced use of concepts learned in Fine Arts 140. Prerequisite: Fine Arts 140.
3 Credits.

Fine Arts 251. Integrating Art into a Child's Early Years.

By reading about the developmental states of children, discussing the issues involved with elementary art education, looking at examples of children's art, and actually doing projects, future teachers and caregivers will become confident in their ability to cultivate the artistic capacities of young children.
1.5 Credits.

Fine Arts/History 260. Art, Culture and History.

Examination of the art, culture, and history of a designated period and region. Special attention will be given to art as a form of religious and cultural expression. Serves as an intellectual foundation for Fine Arts/History 261: Study Abroad. Offered in conjunction with Glencairn Museum.
3 Credits.

Fine Arts/History 261: Art, Culture, and History: Study Abroad.

Participation in an academic study abroad trip (2-3 weeks) focused on the period and region studied in Fine Art/History 260. Students are required to present research completed in Fine Arts/History 260 on site. Offered in conjunction with Glencairn Museum. Prerequisite: Fine Arts/History 260 in preceding term. Pass/Fail.
1 Credit.

Fine Arts/History 308. The Art and Culture of Ancient Egypt.

Examination of ancient Egyptian culture as revealed through art and archaeology. Special attention given to art as a source of historical information. Topics include the influence of natural resources and the environment, principles of artistic representation, problems with interpreting evidence, the origin and nature of Egyptian hieroglyphic writing, and the Egyptian world view. Trip to the University of Pennsylvania Museum of Archaeology and Anthropology in Philadelphia.
3 Credits.

Fine Arts 310. Nineteenth and Twentieth-Century Art. (IL)

Examination of the architecture, sculpture, and painting of the late eighteenth, nineteenth, and twentieth centuries in [Europe, England and America](#). Special attention given to artists influenced by Swedenborg, including Flaxman, Blake, Powers, Page, Gauguin, Inness, Pyle, and Burnham. Prerequisite: Any IL art history course, preferably 200 level.
3 Credits.

Fine Arts 313. Topics in Twentieth-Century Architecture: Bryn Athyn's National Historic Landmarks.

Study of the conception of Bryn Athyn Cathedral, Glencairn, Cairnwood, and Cairncrest within the context of architectural developments at the turn of the twentieth century. The course uses resources in the Cathedral, John Pitcairn Archives, Glencairn, and the Raymond and Mildred Pitcairn archives, from which the students do original research on a topic of their choice.
3 Credits.

Fine Arts 298/398/498. Fine Art Internship. (EE)

Requirements variable. Proposals should be submitted to the Department Chair. Art internships are open to students in sophomore year or above who have completed at least two art, dance, or music courses.
Credits variable.

French

French 101. Introductory French I.

Introduction to the French language for students without previous experience. Emphasis is placed on communication and foundations of French grammar. French is the language of instruction.
3 Credits.

French 102. Introductory French II.

Continuing introduction to the French language. Prerequisite: French 101 or equivalent as determined by placement test. French is the language of instruction.
3 Credits.

French 201. Intermediate French I.

Intermediate French builds upon a student's prior experience with French language and culture. The course concentrates on four skills areas: listening, speaking, reading and writing, and is augmented by cultural readings and film selections. Prerequisite: French 102 or equivalent as determined by placement test. French is the language of instruction.
3 Credits.

French 202. Intermediate French II.

Continuation of intermediate French. Prerequisite: French 201 or equivalent as determined by placement test. French is the language of instruction.
3 Credits.

French 203. Intermediate French III.

Emphasis on importance of French as a world language. Exploration of the French language's global influence through reading stories, viewing films, using the internet, writing, and discussion. French is the language of class instruction. Prerequisite: French 202.
3 Credits.

Geography

Earth Science/Geography 105. Geographical Information Systems.

Laboratory course using geographical information systems including ArcView and virtual globe software.
Pass/Fail.
2 Credits.

Geography 110. World Regional Geography.

Study of world regions with emphasis on the geographic relationships—physical and cultural—that give them their character. Emphasizes the political and cultural formations of human societies. Who lives where? Which languages are spoken where? How did the nations of the world arrive at their present borders? Why do some parts of the world see constant conflict; why are some regions of disputed ownership? Why are some places more developed than others? Focus on familiarity with map locations.
3 Credits.

German

German 101. Introductory German I.

Introduction to the German language for students without previous experience. Emphasis is placed on communication and the foundations of German grammar. German is the language of instruction.
3 Credits.

German 102. Introductory German II.

Continuing introduction to the German language. Prerequisite: German 101 or equivalent as determined by placement test. German is the language of instruction.
3 Credits.

German 201. Intermediate German I.

Intermediate German builds upon students' prior knowledge of language and culture in German-speaking countries while reviewing and solidifying grammar and communication skills. Course concentrates on four skills areas: listening, speaking, reading and writing and is augmented by cultural readings and film selections. Prerequisite: German 102 or equivalent as determined by placement test. German is the language of instruction.
3 Credits.

German 202. Intermediate German II.

Continuation of intermediate German. Provides students with a range of cultural materials and linguistic opportunities to strengthen command of language skills (speaking, reading, writing and listening) and grasp of cultural issues in German-speaking lands since 1945. Prerequisite: German 201 or equivalent as determined by placement test.
3 Credits.

Greek

Greek 110. Beginning New Testament Greek I.

Introduction to the language of the New Testament. A study of the basic forms and syntax of Greek grammar.
3 Credits.

Greek 111. Beginning New Testament Greek II.

Continuation of Greek 110. Prerequisite: Greek 110.
3 Credits.

Greek 250. Readings in New Testament I.

Readings in the Gospel of John and the Book of Revelation. Prerequisite: Greek 111.
3 Credits.

Greek 251. Readings in New Testament II.

Readings in the synoptic gospels (Matthew, Mark and Luke). Prerequisite: Greek 111.
3 Credits.

Hebrew

Hebrew 110. Beginning Hebrew I.

Introduction to the language of the Old Testament. A study of the basic forms and syntax of Hebrew grammar.
3 Credits.

Hebrew 111. Beginning Hebrew II.

Continuation of Hebrew 110, with graduated readings adapted from Genesis, Exodus, Deuteronomy, Joshua, Judges, and other books of the Old Testament. Prerequisite: Hebrew 110 or equivalent as determined by placement test.
3 Credits.

Hebrew 250. Intermediate Hebrew.

Review of Hebrew grammar, followed by readings in the Old Testament with special attention to forms and syntax. Prerequisite: Hebrew 111.
3 Credits.

History

History 114. The Classical World. (IL)

Historical survey of ancient Greece and Rome from Minoan civilization to the fall of the Roman Empire in the west. Particular attention to political trends and the role of religion in Greek and Roman societies. Examination of textual and archaeological evidence.

3 Credits.

History 115. The Medieval World.

Historical survey of medieval Europe from the fall of Rome through the fourteenth century. Particular focus on religion and the role of the church throughout the middle ages. Use of primary texts and Glencairn Museum's collections. Students participate in Glencairn's Medieval Festival.

3 Credits.

History 117. The Contemporary World.

Examination of the post-World War II era and its effect on societies around the globe. Includes survey of political and economic developments in the different regions of the world and thematic approach to the contemporary global situation. Current events discussions.

3 Credits.

Fine Arts/History 160. Art, Culture and History.

Examination of the art, culture, and history of a designated period and region. Special attention will be given to art as a form of religious and cultural expression. Serves as an intellectual foundation for Fine Arts/History 161: Study Abroad. Offered in conjunction with Glencairn Museum.

3 Credits.

Fine Arts/History 161: Art, Culture, and History: Study Abroad.

Participation in an academic study abroad trip (2-3 weeks) focused on the period and region studied in Fine Art/History 160. Students are required to present research completed in Fine Arts/History 160 on site. Offered in conjunction with Glencairn Museum. Prerequisite: Fine Arts/History 160 in preceding term. Pass/Fail.

1 Credit.

History 207. Ancient Mesopotamia.

Examination of the history and society of ancient Mesopotamia (modern Iraq and the surrounding region) from the Neolithic period through the Persian Empire. Particular focus on Mesopotamian archaeology and texts as historical sources. Use of Glencairn Museum's Near Eastern collection.

3 Credits.

History 209. Asia.

Introduces themes important for understanding Southeast Asia's modern history with a focus on the cultural and religious traditions of Vietnam. Explorations of the impact of Vietnam War 1950-1975 on East-West relations.

3 Credits.

Anthropology/History 211. Artifacts, Archaeology, and Museums. (W)

Introduction to the theories and methods used to interpret how objects provide evidence for history and express a society's values, ideas, and attitudes. Includes examination of archaeological method and ethics, and the use of objects in a museum setting. Use of hands-on projects and visits to Bryn Athyn's historical district and other local sites.

3 Credits.

History 212. The Viking World.

For a period of about 300 years, c. 750- 1050 CE, Vikings came to instill dread in their victims and hold sway over far-flung territories under the auspices of Thor's hammer and Odin's spear. Who were the Vikings and why do they capture our imagination? This course explores this question and examines the impact of Viking expansion in

Europe as raiders, traders, conquerors, and settlers. Using written as well as archaeological sources, attention is paid not only to the chronology of events but also to the consideration of Norse values and beliefs, cultural practices and societal structures.

3 Credits.

History 213. From Odin to Christ: Conversion and Christianity in the Medieval North.

This course examines the conversion of medieval Northern Europe from Norse paganism to Christianity (c. 800 – 1300 CE) as understood in three periods: Pre-Christian, Conversion, and Christian. Consideration of multiple aspects pertaining to shifts in worldviews, values, and religious beliefs such as mythology, religious rites and practices, magic and witchcraft, law and ethics, custom and tradition. Students analyze and interpret assigned primary sources – selections from Old Norse sagas and Eddas, histories, chronicles, saints' lives, etc. – with recourse as well to the archaeological record. Due attention is given to the impact of Christianization on society at all levels, for the elite as well as for those they ruled.

3 Credits,

History 215. Renaissance and Reformation.

Examination of the intellectual, religious, political, and cultural developments in European society from the fourteenth through the early eighteenth century, with special focus on the contributions of the Renaissance and Reformation to western civilization. Topics include the emergence and spread of Renaissance culture, the Renaissance state, the Protestant Reformation, and the wars of religion. Use of primary texts as historical sources.

3 Credits.

History 216. The Making of Modern Europe, 1715-1918.

Study of political, social, economic, and cultural developments in the major European powers from the eighteenth century through World War I. Topics include the Industrial Revolution, the French Revolution, Romanticism, Nationalism, Modern Mass Society, Imperialism, and World War I. Lectures and class presentations.

3 Credits.

History 217. Nazi Germany

Examination of the rise and fall of Nazi Germany under Adolf Hitler from the ashes of World War I, through the battles of World War II, to the Allied forces' defeat of Germany in 1945. Consideration of the historical, social, economic, and political factors that contributed to the Nazi party's rise to power. Particular focus on the impact on German society, individual choice, and philosophies underpinning Nazism: fascism, cult of personality, eugenics, anti-Semitism, social Darwinism.

3 Credits.

History 219. 20th Century Russia

Examination of 20th Century Russia beginning with the overthrow of Tsar Nicholas by the Bolsheviks, the creation of the USSR, Stalin's reign, stagnation, Gorbachev, the 1991 dissolution, and the Yeltsin era. Consideration of social, political, and economic issues with special attention paid to Bolshevism, the Great Terror, and the role of authoritarian rule.

3 Credits.

History 225. History of Colonial America 1607-1763.

Examination of the establishment and development of the British colonies in North America through a topical exploration of the religious, social, political, and economic framework of several key colonies and the nature of the evolving strain between the colonies and England. Particular attention given to the distinct founding goals and values of each colony as well as the evolution of unifying American identity by the middle of the 18th century. Special attention to analyzing historical argument and developing skills in historical writing through article reviews.

3 Credits.

History 230. United States History 1763-1865.

Examination of the historical development of American society from the eve of the American Revolution through the Civil War. Particular focus on political ideology, national identity, and societal values with special attention given to the events leading up to the Revolution, the political ideologies of the founding fathers, and the causes of the Civil War.

3 Credits.

History/Political Science 232. Issues in American Foreign Policy.

Survey of the last century examines the dominant themes in American foreign policy. Series of case studies considers how to understand American foreign policy through levels of analysis and models and theories of decision making. Prerequisites: Political Science 101, History 117, or instructor permission.

3 Credits.

History 235. Africa: An Introduction to African History.

Focus on traditional societies of sub-Sahara Africa, the impact of European expansion on such societies, and the legacy of colonialism on independent African states. Ethnographies and art used to supplement historical texts. Field trips, group projects, and use of Glencairn Museum.

3 Credits.

History 240. Ancient Israel.

Study of the ancient Israelites from the time of their formation as a social group through the destruction of the temple in Jerusalem by the Romans. Emphasis on government, religion, intercultural relationships between Israel and its neighbors, and the context of the Old Testament.

3 Credits.

History 245. The Middle East.

Surveys political, social, and cultural developments in the societies of the greater Middle East. Focus on the waxing and waning of selected Islamic Empires.

3 Credits.

Fine Arts/History 260. Art, Culture and History.

Examination of the art, culture, and history of a designated period and region. Special attention will be given to art as a form of religious and cultural expression. Serves as an intellectual foundation for Fine Arts/History 261: Study Abroad. Offered in conjunction with Glencairn Museum.

3 Credits.

Fine Arts/History 261. Art, Culture, and History: Study Abroad.

Participation in an academic study abroad trip (2-3 weeks) focused on the period and region studied in Fine Art/History 260. Students are required to present research completed in Fine Arts/History 260 on site. Offered in conjunction with Glencairn Museum. Prerequisite: Fine Arts/History 260 in preceding term. Pass/Fail.

1 Credit.

History 270. Archives Theory.

Examination of the theory and practice behind the operation of archives and their role in society. Survey of fundamentals including archival history, controlled vocabularies, preservation, and access.

3 Credits.

History 276. Barbarians and the Fall of Rome.

Examination of the era that led to the misleading phrase: "the fall of Rome." This lecture and discussion course offers a more nuanced approach and examines Rome's interaction with barbarian tribes such as the Visigoths, Ostrogoths, Vandals, Burgundians, Langobards, Franks, and Huns. It explores Rome's evolving strategy in dealing with these groups, so-called "barbarians," from its initial attempts to conquer them to its forming client relationships with them. The course also considers the replacement of the western Roman empire by various successor states, the barbarian kingdoms, which eventually coalesced into early medieval Europe.

3 Credits.

History/Sociology 290. Religious Movements.

Comparative exploration of the development of Christianity in the Roman World (40 A.D. to 350 A.D.) to the development of New Christianity in Western Europe and America (1757-present). The history of these two movements will be used to understand the sociological factors that contributed to their development.

3 Credits.

Human Society 301. Research Methods. (IL)

This course prepares students for the capstone courses for the Human Society major. Practical instruction in upper-level research including formulating a research question, developing and implementing a search strategy, engaging and evaluating sources as evidence, argument development, and proper source citation. Culminates in a research proposal that Human Society majors will use as the foundation for the remainder of their capstone sequence. Only open to Human Society majors.

3 Credits.

History 305. Topics in History.

This course explores intersecting notions of justice and vengeance in Medieval European law. Of special interest is the tension between customary forms of justice seeking, largely retributive nature, and the development of jurisprudence, that is a 'philosophy of law' based on Christianity and Christian rulership.

3 Credits.

Fine Arts/History 308. The Art and Culture of Ancient Egypt.

Examination of ancient Egyptian culture as revealed through art and archaeology. Special attention given to art as a source of historical information. Topics include the influence of natural resources and the environment on Egyptian culture and art, principles of artistic representation, challenges with interpreting the archeological and textual evidence, the origin and nature of Egyptian hieroglyphic writing, the New Church perspective on Egyptian religion, and the Egyptian world view as revealed in the structure and decoration of tombs and temples. Trip to the University of Pennsylvania Museum of Archaeology and Anthropology in Philadelphia.

3 Credits.

History 310. Religion in Ancient Greece and Rome.

Investigates the nature of Greek and Roman religious practices and beliefs through a close study of primary texts and archaeological evidence. Examines the role of religion in Greek and Roman society. Introduction to various methodological approaches to the study of ancient religions. Consideration of the development of early Christianity and Judaism. Topics include sacrifice, gods and heroes, festivals, myth, oracles and divination, temples, and mystery cults. Prerequisite: History 114 or Religion 283 or instructor permission.

3 Credits.

History 315. Seminar on the Age of Enlightenment.

Exploration of the leading intellectual, socio-cultural, and political developments in Europe between the end of the Wars of Religion and the French Revolution (1648 and 1789). Focus on the rise of the modern.

3 Credits.

History 330. Twentieth-Century American History Seminar.

Selected topics affecting twentieth-century American society. Focus on economic, social, and political change in the post-World War II era.

3 Credits.

History/Political Science 346. Issues in the Contemporary Middle East.

Examination of political and social developments in the greater Middle East in the post-World War II era. Survey of governments and domestic political processes of selected countries as well as key issues currently facing societies of the region. Prerequisite: Political Science 211, History 245, or instructor permission.

3 Credits.

History 350. Swedenborg's Life and Time. (IL)

Exploration of the Swedish context of Swedenborg's intellectual and spiritual development, his call, and his revelatory works. Examines the geography, history, culture, and society of Sweden and the Baltic world in the eighteenth century.

3 Credits.

History 371. Heritage Interpretation.

Study of the theory and practice involved in interpreting historic and cultural heritage materials in order to reveal meanings and communicate messages. Includes consideration of interpretive planning, theme development, and visitor studies.

3 Credits.

Human Society 401. Capstone Seminar.

Students in the Human Society major engage in focused research for their capstone projects. The seminar setting provides instruction in related skills and offers a forum for support and the exchange of ideas. As part of the seminar, each student examines in depth a specific New Church concept related to the student's capstone project. Each student also conducts a literature review related to the student's capstone project. Only open to Human Society majors.

Prerequisite: HSoc 301.

3 Credits.

Human Society 402. Capstone Seminar II.

Students in the Human Society major write their capstone projects. The seminar setting provides instruction in related skills and offers a forum for support and the exchange of ideas. As part of the seminar, students present the results of their research publically and design posters. Only open to Human Society majors.

Prerequisite: HSoc 401.

3 Credits.

History 298, 398, 498. History Internship II. (EE)

Proposals must be approved by head of the history major. History internships are open to students in second year or above who have completed at least two history courses. Description of requirements available from head of major. Course may be repeated for credit.

Credit variable.

Independent Studies

In addition to the listed courses all divisions offer independent studies in a variety of fields. The purpose of an independent study is to allow well-qualified students to study beyond the regularly offered courses. Independent studies are numbered 299 or 399, depending on the appropriate level. Academic divisions are under no obligation to meet requests for independent studies. Students who undertake independent studies must be able to work independently between meetings with the instructor. A full set of guidelines for setting up an independent study is available at the College Office. Briefly, in order to qualify to take an independent study a student must:

- Have completed at least 33 credits with a GPA of 2.7 or better
- Submit a proposal to the division head during the week prior to registration for the term in which the independent study is to occur.
- Submit an independent study card (signed by the division head and instructor) to be reviewed by the Academic Dean (College Office).
- The student and the instructor will complete a syllabus which will be submitted to the office before or during registration.

Interdisciplinary Studies

Interdisciplinary Studies 390. Research Seminar. (IL)

For juniors in the Interdisciplinary Major. Focus on preparing to do the senior essay during senior year. Project management and information literacy: define scope, generate possible topics, analyze scholarly resources, select one topic and identify research questions in cooperation with essay advisor. Pass/Fail.

1 Credit.

Interdisciplinary Studies 494. Senior Seminar 1.

For seniors in the Interdisciplinary Major. Focus on applying Swedenborgian principles, such as duties of the individual to society, and critical analysis of ethics in various disciplines. Pass/Fail. Co-requisite or Prerequisite: ID 390.

1 Credit.

Interdisciplinary Studies 495. Senior Essay.

Capstone experience for the interdisciplinary major. Research project culminating in the senior essay. Topic chosen by mutual agreement between student and supervisor. Limited to and required of interdisciplinary majors. Pre-requisites: ID 390 & 494.
3 Credits.

Interdisciplinary Studies 496. Senior Seminar II.

For seniors in the Interdisciplinary Major. Public presentation of senior essay. Career planning and portfolio development. Pass/Fail. Prerequisite: ID 495.
1 Credit.

298/398/498 Internships (in their academic areas) (EE)

Individually arranged career related internships. See Director of Internships for details.
3 Credits.

Latin

Latin 110. Beginning Latin I.

Introduction to the elements of Latin grammar and syntax to be used in translating classical authors and Swedenborg.
3 Credits.

Latin 111. Beginning Latin II.

Continuation of Latin 110. Prerequisite: Latin 110.
3 Credits.

Latin 250. Swedenborg's Theological Latin I.

Intensive review of Beginning Latin, followed by varied readings in the Writings. Various styles of writing distinguished (expository, philosophical, descriptive, narrative). Special attention to non-Classical constructions. Prerequisites: Latin 110 and 111 or approval of the instructor.
3 Credits.

Latin 251. Swedenborg's Theological Latin II.

Continuation of Latin 250. Includes examination of original manuscripts and editions. Prerequisites: Latin 110 and Latin 111 or approval of the instructor.
3 Credits.

Leadership

Leadership 120. Leadership Skill Development. (EE)

This is a 1.5 credit Experiential Education course. The course teaches students the tools necessary to become a successful leader through designing a leadership project and reviewing leadership theories. Students identify and discuss leadership character qualities that are required in an effective leader and then determine ways to build these qualities in their own lives. The course has public presentation, project management, and reflective writing assignments.
1.5 Credits.

Leadership 121. Social Entrepreneurship in Action. (EE)

This is a 1.5 credit Experiential Education course. The course teaches students the tools of social entrepreneurship, leadership and team building skills through working in partnership with Feel Good World. The leadership learning is centered on how to effectively raise awareness of world hunger issues and design ways to lead in the nonprofit

sector. Course is conducted inside and outside the classroom. Course has public presentation, teamwork, and final reflective project.

1.5 Credits.

Mathematics

Mathematics 101. Introduction to Quantitative Reasoning. (QR)

Introduction to mathematical concepts to improve basic skills in computation, algebra, graphing, and quantitative applications. This course prepares students for other mathematics courses and courses involving quantitative reasoning. Topics include linear modeling, units of measure and currency, and statistical reasoning, and financial topics.

3 Credits.

Mathematics 102. Understanding Mathematics in Society. (QR)

Review of mathematical topics with an emphasis on understanding why certain patterns appear. Topics include sets, number systems, geometry, and basic statistics and probability. Recommended for students in education and philosophy. Prerequisite: Math 101 or appropriate score on placement test.

3 Credits.

Mathematics 115. College Algebra. (QR)

Algebraic topics designed to assist in the use of mathematics in science courses. Topics include exponents and radicals, rational expressions, inequalities, complex numbers, polynomial analysis and advanced factoring, rational functions and asymptotes, and quantitative reasoning applications. Because of duplication of subject matter, students may not receive credit for both Mathematics 115 and Mathematics 120. Prerequisite: Mathematics 101 or appropriate score on placement test.

3 Credits.

Mathematics 120. Pre-calculus. (QR)

Course in college algebra designed to assist in the use of mathematics in science courses by reviewing the behavior of several families of simple and composite functions, and fitting these functions to data. Study of linear, exponential, power, logarithmic, polynomial, and rational functions. Includes quantitative reasoning applications. Because of duplication of subject matter, students may not receive credit for both Mathematics 115 and 120.

Prerequisite: Mathematics 101 or appropriate score on placement test.

3 Credits.

Mathematics 124. Trigonometry.

Course in trigonometric functions. In conjunction with Mathematics 120, this course prepares students for Calculus I (Mathematics 150). One lecture meeting per week. Because of duplication of subject matter, students may not receive credit for both Mathematics 124 and Mathematics 125. Prerequisite: Mathematics 120 or appropriate score on placement test.

1 Credit.

Mathematics 125. Transcendental Functions with Elements of Calculus. (QR)

Investigation of transcendental functions with applications and elements of calculus, useful in preparing students for a full calculus course. Topics include trigonometric functions, simple derivatives and anti-derivatives, exponential and logarithmic functions, and quantitative reasoning applications. Because of duplication of subject matter, students may not receive credit for both Mathematics 124 and 125. Prerequisite: Mathematics 115 or appropriate score on placement test.

3 Credits.

Mathematics 130. Introduction to Statistics. (QR)

Introduction to data analysis, random variables and their distributions, and statistical inference. Statistical software used for graphing and data analysis. Independent research project. Recommended for students of business or the social and natural sciences. Prerequisite: Mathematics 101 or appropriate score on placement test.

4 Credits.

Mathematics 140. Elements of Calculus. (QR)

Derivatives with applications, exponential functions, integration with applications, and functions of several variables. Not recommended for students pursuing a degree in mathematics, engineering, or the physical sciences. Because of duplication of subject matter, students may not receive credit for both Mathematics 140 and Mathematics 150. Mathematics 140 does not fulfill prerequisite requirements for Mathematics 151.

Prerequisite: Mathematics 115 or appropriate score on placement test.

3 Credits.

Mathematics 150. Calculus I.

Limits, differentiation, maxima-minima, integration with applications, transcendental functions. Because of duplication of subject matter, students may not receive credit for both Mathematics 140 and Mathematics 150.

Prerequisite: Mathematics 125 or appropriate score on placement test.

4 Credits.

Mathematics 151. Calculus II.

Methods and applications of integration, improper integrals, power series, Taylor polynomials, and parametric equations. Prerequisite: Mathematics 150.

4 Credits.

Mathematics 205. History of Mathematics. (IL)

The development of the major mathematical concepts from ancient times to the present, emphasizing topics in the standard undergraduate mathematics curriculum. Prerequisite: Mathematics 125 or Mathematics 150.

3 Credits.

Mathematics 230. Linear Algebra. (QR)

Vector spaces, matrices, linear transformations, systems of linear equations, determinants, and eigenvalue problems. Introduction to mathematical proofs. Prerequisite: Mathematics 125 or Mathematics 150.

3 Credits.

Computer Science/Mathematics 235. Discrete Structures.

Mathematical foundations for the analysis of computer systems. Recursive functions, sets, graph theory, and combinatorics. Prerequisite: Computer Science 180 or permission of instructor.

3 Credits.

Mathematics 250. Calculus III.

Functions of several variables, partial differentiation, multiple integration, vector calculus. Prerequisite: Mathematics 151.

4 Credits.

Mathematics 311. Ordinary Differential Equations.

Linear, second-order, and systems of differential equations and Laplace transforms. Prerequisite: Mathematics 151.

3 Credits.

Mathematics 330. Introduction to Probability Theory.

Probability spaces, random variables, continuous distributions, joint distributions, correlation, and central limit theorems. Prerequisites: Mathematics 151 and Mathematics 230.

3 Credits.

Mathematics 360. Advanced Calculus.

Formal definitions of limits, continuity, differentiation and integration. Prerequisites: Mathematics 230 and Mathematics 250.

3 Credits.

Business/Mathematics 380. Linear Models and Methods for Optimization.

Introduction to basic methods of operations research. Review of linear systems; linear programming, including the simplex algorithm, duality, and sensitivity analysis; formulation of integer programs; transportation and scheduling problems. Prerequisite: Mathematics 230 and competence in programming.
3 Credits.

Music

Music 100. College Chorale.

Development and performance of choral repertoire from Renaissance to Modern. Instruction in the development of vocal techniques. Course may be repeated for credit.
1 Credit.

Music 101. Music Ensemble. (EE)

Development and performance of the classical string ensemble repertoire from Baroque to Modern. Private lessons, master classes, performance, and attending concerts. Audition is required. Upon acceptance, students expected to take all three terms. May be repeated for credit.
1.5 Credits.

Music 110. Introduction to Western Music.

Survey of the composers, styles, and genres from western civilization with a focus on developing listening skills and understanding.
3 Credits.

Music 113. Music Theory I. (QR)

Study of music theory and harmony, progressing from basic notation to advanced musical structures. Includes styles from the 18th-20th centuries.
3 Credits.

Music 114. Music Theory II.

Continuation of Music 113. Prerequisite: Music 113 or permission of instructor.
3 Credits.

Music 185. Private Music Lessons or Choirs.

Privately arranged music instruction. Instructor provides a written assessment of the student's progress at the end of the term. Private lessons are the financial responsibility of the student. Prerequisite: Consent of division. Course may be repeated for credit.
1 Credit.

Music 298/398/498. Music Internship. (EE)

Requirements variable. Proposals should be submitted to the Department Chair. Art internships are open to students in sophomore year or above who have completed at least two art, dance, or music courses.
Credits variable.

Philosophy

Philosophy 101. Critical Thinking.

Development of students' reasoning skills through analysis and evaluation of arguments. Diagramming arguments, identifying mistakes in reasoning, and writing arguments. Emphasis on issues encountered in everyday experience and in courses across the curriculum, primarily through classical deductive logic.
3 Credits.

Philosophy 102. Introduction to Philosophy. (Worldview)

Survey of some major philosophers and theories in metaphysics, epistemology, and the philosophy of religion. 3 Credits.

Philosophy 111. Introduction to Moral Philosophy. (Moral)

Survey of some major philosophers, problems (Euthyphro, relativism, egoism), and theories (aretaic, deontic, utilitarian) in moral philosophy. Strongly recommended: Philosophy 101. Prerequisite: Philosophy 102. 3 Credits.

Philosophy 210. Ancient Philosophy.

Historical consideration of ancient Greek philosophy (with emphasis on Socrates, Plato, and Aristotle) or Roman philosophy (with emphasis on Cicero, Aurelius, and Seneca). Strongly recommended: Philosophy 101. Prerequisite: Philosophy 102. 3 Credits.

Philosophy 211. Modern Philosophy.

Historical consideration of modern and Enlightenment philosophy, including Descartes, Locke, Leibniz, Rousseau, and Voltaire. Strongly recommended: Philosophy 101. Prerequisite: Philosophy 102. 3 Credits.

Philosophy/Political Science 220. Political Thought. (Civil)

A consideration of political thinkers and theories, both ancient and modern, along with perennial issues in politics, such as justice, authority, liberty, order, equality, power, law, and forms of government. Strongly recommended: Philosophy 101. Prerequisite: Philosophy 102. 3 Credits.

Philosophy 310. Topics in Contemporary Philosophy I.

Exploration of themes and problems in contemporary philosophy. Readings from analytic, continental, postmodern, or neo-pragmatist philosophers in areas such as the philosophy of ethics, politics, language, mind, law, science, religion, or other sub-fields. Strongly recommended: Philosophy 101. Prerequisite: Philosophy 102. 3 Credits.

Philosophy 311. Topics in Contemporary Philosophy II.

Complement to Philosophy 310, but may be taken independently. Topics and emphases change periodically. Strongly recommended: Philosophy 101. Prerequisite: Philosophy 102. 3 Credits.

Philosophy 320. Swedenborg's Philosophy.

Swedenborg's cosmology. Consideration of 18th-century cosmological concepts (Descartes, Leibniz, and Wolff) and Swedenborg's unique answers to the issues raised. Particular emphasis on Swedenborg's Principia and the Infinite. Cosmological views developed in the Doctrines of the New Church and by New Church students of Swedenborg. 3 Credits.

Philosophy 321. Swedenborg's Philosophy.

Swedenborg's thought upward from the human body in his "search for the soul." Main text taken from the sections on Series and Degrees and The Human Soul in *The Economy of the Animal Kingdom*, terminating in applications in *The Rational Psychology*. 3 Credits.

Philosophy 331. Organic Forms.

Correspondences of the human body compared with other human organisms: cells, societies, and the mind. Illustrations from natural science, social studies, and psychology. Prerequisite: Philosophy 330, or Philosophy 102 and Philosophy 111 and laboratory science course. 3 Credits.

Philosophy 340. Bioethics. (Moral)

A philosophical exploration of the ethical issues pertaining to the application of biological information and technology to the generation, alteration, preservation, and destruction of human life and aspects of our environment. Issues to be considered include: reproduction, euthanasia, genetic screening and therapy, experimentation with human and animal subjects, bio enhancement, ownership and nature, distributive justice, and integrity in publication.

Prerequisite: Philosophy 102 and any 100-level Biology course.

3 Credits.

Physical Education

*course is a team activity with scheduled practices and contests

Physical Education 103. Life and Health.

Introduction to personal and social health problems we all face today. This course provides information that helps the student understand and investigate these health problems further. Scientific knowledge is presented from a variety of disciplines, such as, medicine, psychology, physiology, and sociology. This course fulfills one credit of the two PE credits required for a Baccalaureate degree. Non repeatable.

1 Credit.

Physical Education 110. Tennis.

Instruction in basic and intermediate individual skills. Practice in singles and doubles tennis play, including game strategy, rules, and etiquette. Course may be repeated once for credit.

1 Credit.

Physical Education 111. Running for Fitness.

A range of walking/running activities designed to develop strength and endurance, for all abilities. Students required to run/walk three times a week in scheduled class time and to keep an exercise log. Course may be repeated once for credit.

1 Credit.

Physical Education 112. Competitive Team Sports.

A survey of a range of competitive team sports including for example, soccer, volleyball, lacrosse, ultimate, basketball, floor hockey. Student interest accommodated. Course may be repeated once for credit.

1 Credit.

Physical Education 120. Physical Fitness.

Student-designed individual program based on theoretical and practical fitness concepts. Workouts during class twice a week in the fitness center. Cardiovascular element required. Course may be repeated once for credit.

1 Credit.

Physical Education 127. Kickboxing.

Basic instruction in a power-punching, non-choreographed martial arts workout. Emphasis on proper technique and execution of skills. Each class includes a total-body warm-up, a cardiovascular workout, strength training, and cool-down/stretching period. Course may be repeated once for credit.

1 Credit.

Physical Education 129. Badminton.

Basic instruction in skill techniques, rules, strategies, and competition in badminton. Course may be repeated once for credit.

1 Credit.

Physical Education 130. Archery.

Basic instruction in skill techniques, rules, strategies, and competition in bow archery. Enrollment limited to eighteen students. Course may be repeated once for credit.

1 Credit.

Physical Education 131. Bicycling.

Road and off-road cycling aimed at beginners, but more experienced cyclists are welcome. Includes instruction and practice in cycling technique, conditioning, safety, bicycle maintenance and repair. Student must supply own helmet and bicycle (minimum five speed) in good working condition. Enrollment limited to twelve. Course may be repeated once for credit.

1 Credit.

Physical Education 133. Yoga.

Introduction to yoga course. Variety of yoga (poses) including standing poses, twists and forward bends, arm-balancing, back bending and inversions. Open to all abilities. Course may be repeated once for credit.

1 Credit.

Physical Education 180. Foundations of Physical Education.

This course gives the prospective teacher of Health and Physical Education (HPE) insight into this area, including the historical, philosophical, and sociological principles with a survey of the latest research and literature in the field. Lifetime health benefits related to proper nutrition and exercise physiology examined. The course is designed for students who plan a career in education, health, or physical education. This course fulfills one credit of the two PE credits required for a Baccalaureate degree. Non repeatable.

1 Credit.

Physical Education 211. Distance Running.

Training for a full or half marathon. Students required to run twice a week in scheduled class time and twice a week outside of class time, following a training schedule leading up to a race. Pre-requisite: PE 111 or instructor's approval. Course may be repeated once for credit.

1 Credit.

Physics

Physics 180. General Physics I: Mechanics. (QR)

An algebra and trigonometry-based physics course that provides an overview of mechanics, thermodynamics and vibrations, primarily for students interested in majoring in biology (including pre-med), psychology or chemistry, rather than engineering or mathematics. Emphasis is on examples and applications rather than derivations. Credit is only awarded for one of Physics 180 or Physics 210. Pre-requisite: Math 125 or equivalent. Laboratory included.

4 Credits.

Physics 181. General Physics II: Electricity and Magnetism. (QR)

Continuation of Physics 180 with an overview of electricity, magnetism, light and optics. Credit is only awarded for one of Physics 181 or Physics 211. Pre-requisite: Physics 180, 210 or equivalent. Laboratory included.

4 Credits.

Physics 210. Principles of Physics. (QR)

Calculus-based course providing an introduction to rigid body mechanics, gravity, waves, and heat. Problem and laboratory assignments complement the lectures. Co-requisite or Prerequisite: Mathematics 150. Laboratory included.

4 Credits.

Physics 211. Principles of Physics II. (QR)

Continuation of Physics 210. Calculus-based introduction to classical electricity, capacitance, current, resistance, and circuits. Also magnetism, inductance, electromagnetic oscillations, optics, and introduction to modern physics. Co-requisites or Prerequisites: Mathematics 151 and Physics 210. Laboratory included.

4 Credits.

Political Science

Political Science 101. Introduction to Politics and Governance. (Civil)

Examines the discipline of political science and the concepts involved in the study of politics and governance. Surveys the role and function of political institutions and organizations through the lens of contemporary issues. Focus on the potential for thinking about civic and political issues from a religiously-informed perspective. 3 Credits.

Political Science 210. American Government and Politics. (PP)

Examination of the American political system focusing on founding principles, national governmental institutions, and contemporary issues. Readings from original documents and historical and contemporary authors. Prerequisite: Political Science 101, History 230, or instructor permission. 3 Credits.

Political Science 211. Comparative Government. (Civil)

Introduction to the comparative study of the politics of nations. Examines the underlying principles, machinery, and effectiveness of selected governments around the world, and ramifications for their societies. Students may not receive credit for both Psci111 and Psci211. 3 Credits.

Political Science 212. International Relations.

Examination of historical and theoretical foundations for thinking about international relations through a consideration of the wide range of themes and events that mark the interaction of human societies. Topics include: war, trade, globalization, international law, intervention, nuclear proliferation, and terrorism. Prerequisite: Political Science 101, History 117, or instructor permission. 3 Credits.

Philosophy/Political Science 220. Political Thought. (Civil)

A consideration of political thinkers and theories, both ancient and modern, along with perennial issues in politics, such as justice, authority, liberty, order, equality, power, law, and forms of government. Strongly recommended: Philosophy 101. Prerequisite: Philosophy 102. 3 Credits.

History/Political Science 232. Issues in American Foreign Policy.

Survey of the last century examines the dominant themes in American foreign policy. Series of case studies considers how to understand American foreign policy through levels of analysis and models and theories of decision making. Prerequisites: Political Science 101, History 117, or instructor permission. 3 Credits.

Political Science 260. Law and American Society.

Course Description: Examination of the basic tenets of the American legal system. Introduces basic theories of jurisprudence in the light of New Church teachings as well as other world religions. Surveys the criminal and civil law systems; analyzes the ways in which laws are created and enforced through the court system; explores federal, state, and local legal processes and actors. 3 Credits.

History/Political Science 346. Issues in the Contemporary Middle East.

Examination of political and social developments in the greater Middle East in the post-World War II era. Survey of governments and domestic political processes of selected countries as well as key issues currently facing societies of the region. Prerequisite: Political Science 211, History 245, or instructor permission. 3 Credits.

Political Science 298, 398, 498. Political Science Internship. (EE)

Requirements variable. Proposals should be submitted to the appropriate Department Chair. Political Science internships are open to students in sophomore year or above who have completed at least two political science courses.

Credits variable.

Psychology

Psychology 101. Introductory Psychology.

Introduction to basic constructs of psychology including scientific methodology, the brain, consciousness, memory, identity, learning, motivation, intelligence, and the nature of mental illness. Relevant New Church doctrines analyzed and compared to secular theories of psychology.
3 Credits.

Psychology 102: Worldviews and History of Psychology. (Worldview)

Survey of six major psychological worldviews. Analysis of worldviews in terms of their history, key people, main concepts, and major contributions to the field of psychology in modern times. Three themes addressed for each worldview: "What is the good life?", "What remedies are available when things go wrong for human beings?", and "Is this a Theistic worldview?"
3 Credits.

Psychology 201. Abnormal Psychology.

Examination of mental disorders as classified by the medical model, including schizophrenia and other psychotic disorders, mood disorders, anxiety disorders, dissociative disorders, disorders of childhood, eating disorders, and personality disorders. Critical analysis of the principles and philosophy of the medical model, as well as the physiological underpinnings of certain disorders. Alternative views for the conceptualization of mental disorders explored. Prerequisite: Psychology 101.
3 Credits.

Business/Psychology 202. Human Resource Management. (PP)

(Also known as industrial and organizational psychology.) Exploration of the application of psychology to the workplace environment, such as business, government, and non-profit organizations. Major areas of study include work motivation, teams and teamwork, personnel decision-making, performance appraisal, leadership, and diversity in terms of gender, race, and personality type. Attention given to New Church concepts of conscience, discriminatory charity, and use as they apply to adult employment in our current workforce. Prerequisite: Psychology 101, a business/economics course, or permission of instructor.
3 Credits.

Psychology 203. Personality Theory.

Examination of both classical and current theories of personality. Focus on understanding terms and concepts of personality as well as their application to situational contexts. Prerequisite: Psychology 101 or instructor permission.
3 Credits.

Psychology 204. Human Development: Lifespan.

Study of human development, focusing on the most significant changes that occur across the lifespan. Topics include theories of physical-motor, cognitive, language, creative, social, emotional, moral, and spiritual development. Prerequisite: Psychology 101 or instructor permission.
3 Credits.

Psychology 205. Social Psychology. (PP)

Study of behavior and cognition in social contexts. Topics include aggression, altruism, influence, love, prejudice, and conformity. Swedenborgian concepts of love, charity, and obedience analyzed. Public Presentation skills emphasized. Prerequisite: Psychology 101 or instructor permission.
3 Credits.

Psychology 220. Cognitive Psychology.

Survey of contemporary theories and research concerned with the structure and processes of the mind. The course will view cognitive psychology as the coordinated operation of mental processes within a multi-

component memory system. Topics include attention, memory, the role of emotion, problem solving, and concept formation. Prerequisite: Psychology 101 or instructor permission.
3 Credits.

Psychology 230. Psychology and Spirituality.

Examinations of psychological research and theories about people's attitudes, motivations, behaviors, thoughts and feelings in a variety of spiritual settings. Investigations of how therapists address spiritual matters in counseling sessions. Consideration of the psychological experience of the Swedenborgian belief in the afterlife, regeneration, charity, conscience, and the relationship between God and humans. Prerequisite: Psychology 101.
3 Credits.

Psychology 301. Counseling and Clinical Psychology.

Examination of psychological theories that inform the skills of counselors and clinical psychologists in various professional settings. Topics include psychological theories, the roles of the counselor, listening skills, case conceptualization, treatment methods and intervention strategies. Consideration of what it means to incorporate individual values and spirituality into treatment. Prerequisite: Two psychology courses or instructor permission.
3 Credits.

Psychology 305. Physiological Psychology. (IL)

Exploration of the neural basis of behavior and motivation. Emphasis on the structure, functions and disorders. Topics include memory, emotion, learning, addictions, conscience, states of mind, and self-regulation. Consideration of Swedenborgian view of the brain, mind, and the soul. Information Literacy skills emphasized. Prerequisite: Psychology 101 and either Biology 122 or instructor permission.
3 Credits.

Psychology 307. Psychological Measurement.

Introduction to the principles that underlie the development, use, and interpretation of psychological assessment tools. Topics include: Test construction, survey development, scoring, assessment interpretation issues, and psychological assessment applications in industrial, educational, clinical, and research setting. Students will examine the potential and limitations of tests of intelligence, aptitude, achievement, interest, and personality. Additionally, psychological assessment will be discussed in terms of social, legal, and ethical concerns. Prerequisite: Psychology 101 and two other psychology courses.
3 Credits.

Psychology 320. Introduction to Experiments in Psychology.

Introduces students to experimental design in psychology with careful attention to terminology, methodology, strengths, and limitations of research. Additionally, students are exposed to classic experiments in the areas of social, abnormal, cognitive, developmental, and neuropsychology. Serves as precursor to the Psychology Capstone and should be completed spring term of junior year. Pass/Fail.
1 Credit.

Education/Psychology 340. Educational Psychology.

Study of secular psychology as it is applied to children and adolescents in the classroom setting. Major areas of study include classroom management, learning, and motivation. Swedenborgian doctrines include innocence, charity, development of the rational mind, and conscience. Prerequisite: Psychology 101 or Education 128.
3 Credits.

Psychology 341. Human Development: Adult Altruism. (EE, Moral)

Exploration of psychological theories about moral development, character strengths, altruism, optimism, flourishing, flow, generosity and spiritual maturity. Major emphasis on the states of adults over 18 years of age. Examination of Swedenborgian doctrinal principles regarding adult human development: regeneration, opening of the rational mind, developing a new will, acquiring wisdom, and leading a life of useful service to the neighbor. Ethical reasoning skills emphasized. Prerequisite: Two psychology courses. Laboratory included.
4 Credits.

Psychology 380. Seminar in Forensic Psychology.

Covers topics related to the application of psychology to the legal system. Topics include criminal motivation, deception, violence, sociopathy, mental illness and crime, gang behavior, effects of substance abuse, and gender differences in criminals. Includes a Swedenborgian perspective on conscience and moral/spiritual motives. Prerequisite: Students must be accepted psychology majors, psychology interdisciplinary majors, or psychology minors at the junior level of study. Applied.

3 Credits.

Psychology 382. Seminar in Death and Dying.

Introduces students to the growing field of death and dying in psychology. Explores context and meanings of death, ethical decision-making at the end of life, constructs of bereavement, end of life counseling, and special populations to include pediatric death, celebrity death, near-death experiences, and traumatic bereavement. Prerequisite: Students must be accepted psychology majors, psychology interdisciplinary majors, or psychology minors at the junior level of study. Clinical.

3 Credits.

Psychology 490. Research Methods in Psychology.

First capstone course for the psychology major. The investigation of psychology as a science with a focus on the qualitative and quantitative approaches to research in the area of psychology. It examines strategies for establishing validity in descriptive, relational, and experimental design in the framework of ethical research. Emphasis will be placed on critical reading and analysis of previously published scientific research. Students receive practice in designing, conducting, analyzing, interpreting the results of research studies, and writing reports in APA style. Students prepare proposal for Senior Essay. Prerequisites: Psychology 101, Psychology 320, and Mathematics 130. Students must be accepted psychology majors.

3 Credits.

Psychology 491. Senior Research Seminar.

Capstone for seniors in the psychology major. Independent work on Senior Essay guided by an advisor. Information Literacy and Writing Skills emphasized.

3 Credits.

Psychology 492. Senior Seminar.

Capstone for seniors in the psychology major. Public presentation. Critical analysis of ethics in psychology. Career planning and portfolio development. Pass/Fail.

1 Credit.

Psychology 298, 398. Psychology Internship. (EE)

Proposals must be approved by the head of the Psychology area. Psychology internships are open to students in sophomore year or above who have completed two psychology courses. Requirements are available from director of internships.

Credit variable.

Reading

Reading 100. Reading for Academic Literacy.

This course is intended to support the analytical reading skills necessary for entry level college courses. Emphasis will be on developing comprehension through structural analysis, vocabulary development and fluency practice using selected works of fiction and non-fiction. This course will assist native and non-native speakers in successfully applying this knowledge to other academic disciplines. Use of publisher produced CAL. This course partners with English 100. Core support for Information Literacy.

3 Credits.

Religion

Religion 101. Introduction to New Church Doctrines. (Doctrinal)

Foundation course. Basic survey of the doctrines of the New Church. Presupposes little or no formal background in the study of the doctrines.
3 Credits.

Religion 102. Introduction to New Church Doctrines. (Doctrinal, EEC)

Continuation of Religion 101, with special emphasis on the doctrines of the New Church as they relate to marriage, the reading of the Word, and a life of useful service. Religion 101 is not a prerequisite.
3 Credits.

Religion 110. Introduction to Systematic Theology. (Doctrinal)

A comprehensive overview of New Church doctrine. Emphasis on core doctrines of the Lord, faith and charity, the Word, the afterlife, the mind, Divine providence, judgment, and marriage. Presupposes a moderate familiarity with New Church teachings.
3 Credits.

Religion 115. Introduction to New Church Doctrine on Life after Death. (Doctrinal)

New Church teachings on the life after death studied in their own context and the context of the near-death experience and the history of eschatology. Text: *Heaven and Hell*.
3 Credits.

Religion 123. Introduction to the Old and New Testaments. (Scriptural)

Introduction to the various parts of the Bible, the history of the Israelites and Jews, the geography of Palestine, with an emphasis on the different methods of biblical interpretation, with special emphasis on New Church interpretation.
3 Credits.

Religion 125. The Holy Scripture. (Doctrinal)

The symbolic nature of the Word and the spiritual meaning within. The importance of the literal meaning and its interpretation. The Word in heaven and the church. Dual expressions in the Word. Heresies. The Lord and the Word. The Word in very ancient times. The universal church. The necessity of revelation. Illustrations drawn throughout from the Old and New Testaments. Text: *The Doctrine of the Sacred Scripture*.
3 Credits.

Religion 205. God, Man, and Creation. (Doctrinal)

Study of how the Lord created the spiritual and natural worlds, with emphasis on humans as the purpose of creation. Vital relationships between the Creator and His creation, with the special role played by humans. Focus on teaching about form, order, degrees, influx, and conjunction.
Text: *Divine Love and Wisdom*.
3 Credits.

Religion 210. Divine Providence and Human Prudence. (Doctrinal)

The laws and fundamental principles by which the Lord governs creation. How the Lord removes evil from people while preserving their freedom. How the Lord brings good out of evil. Eternal life as the goal of providence. How providence uses natural conditions to serve this end. Why providence operates in secret. Text: *Divine Providence*.
3 Credits.

Religion 215. The Lord. (Doctrinal)

Introduction to New Church teachings about the Lord. Who is the God of the Biblical testaments? What was Jesus Christ's life on earth about? Special focus on seeing the Lord in the Scriptures, in scholarship, and in the teachings for a New Church.
3 Credits.

Religion 220. The Torah. (Scriptural)

Detailed study of Genesis to Deuteronomy in their historical and cultural context. Discussion of translations, certain critical theories, and other related ideas. Treatment of the literal meaning in relation to its higher meanings and other doctrinal considerations.

3 Credits.

Religion 221. The Histories and Prophets of the Old Testament. (Scriptural)

Detailed study of Joshua to 2 Kings, Psalms, and Prophets viewed in their historical and cultural context. Discussion of the difference between prophesy and history, relevance to modern life, and the significance of the literal meaning.

3 Credits.

Religion 222. The Gospels. (Scriptural)

Detailed study of the four individual Gospels with attention to similarities and distinctions, historical context, and relationship to the Old Testament. Examination of the literal meaning and its significance to the modern life. Special attention to the nature of the First Advent and the testimony concerning Jesus Christ.

3 Credits.

Religion 223. The Apocalypse. (Scriptural)

The Last Judgment on the human race, with analogy to spiritual crisis in the individual. The spiritual functions and impact of imagery in the book of Revelation and in the memorable relations in the Apocalypse Revealed. Text: *The Apocalypse Revealed*.

3 Credits.

Religion 260. Evangelization. (Applied)

Introduction to the doctrine of evangelization, the philosophy and application of Church growth principles, and practical instruction in how to present the doctrines to inquirers. Exploration of the changing values of Western culture and the ways the Church can effectively respond to a new generation of seekers. The purpose and process of evangelization, and how to share the teachings of the New Church with confidence and care.

3 Credits.

Religion 270. New Church Religious Practices. (Applied)

Both doctrinal study and practical application of teachings relating to New Church religious practices, using the Old and New Testaments and the theological Writings of Emanuel Swedenborg as source material. Special focuses on daily reading of the Word and prayer, on private and public worship, on the steps of repentance, and on the use and importance of Holy Supper.

3 Credits.

Religion 271. Moral and Spiritual Life. (Applied)

Various approaches to morality. The spiritual foundation of moral virtues and moral living. Consideration of civil, moral, and spiritual questions dealing with both individual and institutional conduct, such as revolution and the rule of law, the relation of church and state, spiritual and natural freedom, war, race relations, ethics in business and labor, the use of alcohol and drugs, and responsibility for others.

3 Credits.

Religion 272. Advanced Religious Ethics. (Applied)

Advanced study of the Ten Commandments as they appear in the religious writings of Hinduism, Buddhism, Judaism, Christianity, Islam, and other world faiths. Study of the literal and spiritual level of each commandment using selected texts from sacred and secular sources. Students encouraged to draw connections between the various levels of the commandments and their own lives.

3 Credits.

Religion 273. Religion and Marriage I. (Doctrinal, Applied) (Rel273w is W)

New Church doctrine concerning marriage. Includes the Divine origin of marriage; the nature of masculinity and femininity; the state of married partners after death; betrothals and weddings; separation and divorce; adultery, fornication and other sexual disorders; the role of the Ten Commandments in marriage. Responding to states of

discord, coldness, and other problems in marriage. Adultery and other sexual disorders. Consideration of romantic passion, physical relations, birth control, repeated marriages, non-monogamous lifestyles, homosexuality. Text: *Conjugal Love*.
3 Credits.

Religion 275. Theory and Practice of New Church Education. (Applied)

Applied religion course on fundamental principles of New Church education and teaching religion to elementary or secondary students. For early childhood education majors, students considering going to theological school, and students interested in having a personal background in New Church educational principles and practices. Required for all ECE majors. Lab period included. Prerequisites: Rel. 101 or 110; Rel. 123 and 220 recommended.
4 Credits.

Religion 278. Religion and Marriage II. (Applied)

A continuation of Religion 273 with a focus on contemporary marriage education and relationship enhancement programs. Several of the most influential programs will be studied in the light of teachings from *Conjugal Love*, including the work of John Van Epp (preparation for marriage), John Gray (masculine/feminine differences), John Chapman (languages of love) and Tony Robbins (six human needs). Taking Religion 273 prior to Religion 278 is strongly recommended but not required.
3 Credits.

Religion 283. Pre-Christian Religious History. (Comparative)

Survey of the history of pre-Christian religions emphasizing the rise, development, and fall of religions from ancient times to Biblical Israel. Topics include the character of revelation and the response to it in each successive religion, the origin of mankind, the origin of evil, and the rise of monogamy and polygamy, of monotheism and polytheism, and of idolatry in the ancient world.
3 Credits.

Religion 284. Christian Religious History. (Comparative)

Thorough grounding in Christian history. Survey of the personalities, theological and doctrinal issues, and events of Christianity. Christian divisions and present world-impact. Comparison with New Church perspective.
3 Credits.

Religion 293. Comparative Contemporary Religions. (Comparative)

Survey of world religions as they are practiced today. Religions studied include Hinduism, Buddhism, Judaism, Christianity, Islam, and the New Church. This course includes three required week-end field trips to various religious centers.
3 Credits.

Religion 295. Islam. (Comparative)

Study of Islam: Muhammad and the origins of Islam, the Qur'an and Hadith, theology and practices, sects and schools. Comparison with New Church perspective.
3 Credits.

Religion 296. Eastern Religious Thought/Hinduism. (Comparative)

Introduction to Eastern Religious Thought with a focus on the *Bhagavad Gita*, considered one of the most revered of the Hindu scriptures, and one of the most important religious classics in the world. Course includes an in-depth study of the literal and symbolic levels of the *Gita*, a comparison with Western thought in general and with New Church thought in particular.
3 Credits.

Religion 305. Universal Doctrines of the New Church I. (Doctrinal)

Systematic survey of the universal theology of the New Church: God the Creator, the Lord the Redeemer, the Holy Spirit, the Holy Scripture and Ten Commandments, and Faith. Text: *True Christian Religion*.
3 Credits.

Religion 306. Universal Doctrines of the New Church II. (W, Doctrinal)

Continuation of Religion 305. Topics include faith, charity, free will, repentance, reformation and regeneration, imputation, baptism, and the holy supper. Special focus on the Second Advent and the New Church: what does God's coming entail? Text: The True Christian Religion.

3 Credits.

Religion 310. Studies in Arcana Coelestia. (W, Doctrinal)

Study of Emanuel Swedenborg's first publication of theology for a New Church. The course provides an overview of the work's spiritual exegesis of Genesis and Exodus--from the first mythopoeic stories of creation to the Israelites' escape from slavery in Egypt. Special focus on the Abram story and how the narrative of Jehovah's call to humankind contains an ancient picture of our relationship with a Human God.

3 Credits.

Religion 311. Continuation of Studies in Arcana Coelestia (W, Doctrinal)

Study of Emanuel Swedenborg's first publication of theology for the New Church. The course provides an overview of the work's spiritual exegesis of Genesis and Exodus--from the first mythopoeic stories of creation to the Israelites' escape from slavery in Egypt. Special focus on the Jacob story, the Moses story, and how the narrative of Jehovah's call to humankind contains an ancient picture of our relationship with a Human God.

3 Credits.

Religion 315. The Spiritual World. (W, Doctrinal)

The nature, structure, life, and phenomena of the spiritual world. Consideration of the philosophical implications of the creation of that world and consideration of other beliefs about heaven and hell.

3 Credits.

Religion 320. Judgment, Providence, and Human Society. (PP, Doctrinal, Applied)

Study of the spiritual process of judgment, both personal and societal, and the roles human choice and Divine Providence play in judgment. Attention given to the role of judgment in human history, the judgments that have occurred, and the changes judgment brings. The books of the Heavenly Doctrines Last Judgment and Continuation of the Last Judgment will be read in full.

3 Credits.

Religion 335. The Human Mind. (Rel335 W is W, Doctrinal)

Study of what the doctrines of the New Church teach about the structure and function of the human mind and how it relates to the brain. The discrete degrees of the mind. The faculties of will and understanding, their relationship and interplay.

3 Credits.

Religion 370. Topics in Applied Theology. (Applied)

Content may vary from year to year. Consideration of the light shed by the doctrines of the New Church on the ethical and underlying philosophical concerns of different areas of study and occupations.

3 Credits.

Religion 380. History of New Church Doctrine. (IL, Doctrinal)

Seminar in the development of doctrinal thought in the history of the New Church. Considerations of various and divergent interpretations. The evolution of ideas and their impact on the Church. Reflection on the intellectual heritage of the Church from an historical perspective. Extensive research in New Church collateral literature.

3 Credits.

Religion 490. Religion Senior Project I.

For religion majors. One term is required. May be repeated for a second term with the consent of the division head.

3 Credits.

Religion 491. Religion Senior Project II.

For religion majors. One term is required. May be repeated for a second term with the consent of the division head.

3 Credits.

Religion 298, 398, 498. Religion Internship. (EE, Applied)

Proposals must be approved by the head of division. Course may be repeated for credit.

Credit variable.

Science Education

Science Education 290. Science Education Project. (EE)

Under the supervision of a faculty advisor, students develop a hands-on science project for the purpose of teaching scientific practices and data analysis to elementary or secondary school students. The class meets once per week for 2 hours, but times are flexible to interface with school schedules. Grading is based on teamwork, project effectiveness, report (published on the web), and student notebook. Prerequisite: Biology 120, Chemistry 110, or Physics 210.

1 Credit.

Sociology

Sociology 110. Introductory Sociology. (QR)

Research project utilizing techniques of participant observation, experimentation, survey/interview methods, and data analysis to discover the basic concepts of sociology and the study of human societies: social structure, culture, and socialization. Laboratory included.

4 Credits.

Sociology 212. Marriage and the Family.

Analysis of marriage and the family as fundamental institutions of human society. An exploration of the history of marriage and the family, as these institutions moved from traditional patterns focused on family dictates and necessity to modern patterns focused on individual choice and freedom.

3 Credits.

Sociology 218. Topics in Sociology: Race and Ethnicity.

Survey of race and ethnicity as a recognized sub-field in sociology and key factor in understanding human society.

3 Credits.

History/Sociology 290. Religious Movements.

Comparative exploration of the development of Christianity in the Roman World (40 A.D. to 350 A.D.) to the development of New Christianity in Western Europe and America (1757-present). The history of these two movements will be used to understand the sociological factors that contributed to their development.

3 Credits.

Sociology 321. History of Social Theory.

Exploration of the context of the development of social theory with particular attention to the different nature of the roots of theory in Europe and America.

3 Credits.

Sociology 340. Seminar in the Sociology of Religion.

Exploration of the relationship between the ideational and organizational components of religion and the major social variables, including gender, class, power, race and nationality. Historic and current religions and religious movements examined both theoretically and empirically, including the New Church.

3 Credits.

Spanish

Spanish 101: Introductory Spanish I

Introduction to the Spanish language for students without previous experience. Emphasis is placed on communication and the foundations of Spanish grammar. Spanish is the language of instruction.
3 Credits.

Spanish 102: Introductory Spanish II

Continuing introduction to the Spanish language. Prerequisite: Spanish 101 or equivalent as determined by placement test. Spanish is the language of instruction.
3 Credits.

Spanish 201: Intermediate Spanish I

Intermediate Spanish is designed to build upon a student's prior Spanish education. The course concentrates on four skills areas: listening, speaking, reading and writing, and is augmented by a wide array of cultural readings and film selections. The grammatical focus is the use of the preterite and imperfect verb tenses. Prerequisite: Spanish 102 or equivalent as determined by placement test. Spanish is the language of instruction.
3 Credits.

Spanish 202: Intermediate Spanish II

Continuing intermediate Spanish. This course focuses on the use of the subjunctive and advanced past verb tenses. Prerequisite: Spanish 201 or equivalent as determined by placement test. Spanish is the language of instruction.
3 Credits.

Spanish 203. Intermediate Spanish III.

Builds an awareness of our Latin American neighbors by viewing selected aspects of their culture and current developments, with accompanying readings, discussions, and writing activities for the advanced intermediate. Films and guest speakers. Prerequisite: Spanish 202.
3 Credits.

Theater

Theater 110. Introduction to Performance Arts.

Study and practice of elementary acting, movement, and voice skills. Students examine verbal and nonverbal communication in solo and group performance, along with scene and script analysis. Improvisation and work on studied pieces, leading to a final performance. Study of the history and philosophy of performance styles from the ancient Greeks to the Elizabethans and modern theorists (Stanislavski, Artaud, Brecht, et. al.).
3 Credits.

Theater 120. Set Design and Production. (EE)

Hands-on introduction to scene design and production. Overview of the elements of scene design with emphasis on the process of designing a set. Research, sketching, drafting, model building, color application, and actual set construction within a budget. Students required to understand and use all of the equipment in the theater as it pertains to the design and will work with the play's director using the Mitchell Performing Arts Center as the classroom and will participate as a member of the run-crew for the winter Bryn Athyn College production. Final project involves the construction of the actual set. Course may be repeated once for credit.
Credit variable.

Theater 130. Set Design and Production. (EE)

Continuation of Theater 120: building and dressing the set from the designer drawings and elevations created in the fall. Finalizing of the design, including color elevations and prop design. Students required to understand and use all of the equipment in the theater as it pertains to the design and will work with the play's director using the Mitchell Performing Arts Center as the classroom and will participate as a member of the run-crew for the winter Bryn Athyn College production. Final project involves the construction of the actual set. Course may be repeated once for credit.

Credit variable.

Theater 150. Dramatic Performance. (EEC)

Students involved in the casts or technical aspects of certain dramatic productions may sign up for this course. Exposure to a variety of acting techniques, including the specialized work needed for productions that might range from Shakespeare's plays, to foreign plays in translation, to musicals. Script analysis, oral interpretation of character, performance movement, dance, and vocal techniques. Variable credit based on the student's involvement. 5-12 hours weekly in rehearsals/classes leading to a finished production. Course may be repeated once for credit.

1-3 Credits.

Theater 210. Original Performance: Theater as Spiritual Practice.

Builds on fundamental acting skills of Theater 110. Examines archetypal patterns found worldwide in myths, stories, plays and sacred ritual. Students explore archetypes in their own lives by writing, acting in, and producing original plays. Prerequisite: Theater 110, Theater 120, or permission of instructor.

3 Credits.

Theater 220. Set Design II. (EE)

Further practice in scene design and production including a more nuanced study of the elements of design with emphasis on the process of designing and making a scale model. Work with the play's director using the Mitchell Performing Arts Center as the classroom and participation as a member of the run-crew for the winter Bryn Athyn College production. Final project involves the construction of the actual set. Prerequisite: Thea120.

3 Credits.

Writing

Writing 100. Academic Writing.

Development of academic writing skills in preparation for Writing 101. Intensive grammar, spelling, and punctuation instruction and practice, in conjunction with an introduction to the structure and process of academic writing. Required only for provisionally admitted freshman before advancement to Writing 101.

3 Credits.

Writing 101. Expository Writing. (W, IL)

Development of informative, critical, and persuasive writing. Emphases on grammatical control, precision of language, consideration of audience, rhetorical strategies, revision, information literacy, and articulation, development, and support of thesis. Three to five formal essays total, including substantial revision. Individual conferences with instructor to discuss student's writing. Required of first year students. Non-native speakers of English take Writing 101 sophomore year. Successful completion of the IL components of Wr 101 and Wr 202 fulfills one of the Core IL requirements.

3 Credits.

Writing 202. Writing About Literature. (W, IL)

Analytic study of literary genres—drama, short fiction, and poetry—with emphases on writing and research. Assumes basic skills in writing and information literacy covered in Writing 101. Three papers, including substantial revision. One longer paper and its research process require locating, evaluating, and incorporating multiple secondary sources. Individual conferences with instructor to discuss student's writing. Required of sophomores. Prerequisite: Writing 101. Successful completion of the IL components of Wr 101 and Wr 202 fulfills one of the Core IL requirements.

3 Credits

Writing 211. Creative Writing. (W)

Workshop approach to various forms of creative writing. Individual conferences in addition to class meetings. Class selection and publication of an anthology of student writing. Prerequisite: Grade of B or better in Writing 101, or permission of instructor.

3 Credits.

Writing 212: Creative Nonfiction Writing (W)

A study of contemporary creative nonfiction—the use of traditional literary devices to express factual content. This workshop-style course includes the creative memoir, the humorous anecdote, artistic biography, and the personal interview. We will also address imaginative text-messaging, effective emailing and the art of blogging. Students will read representative writers, critique each other's papers, and learn about the ethics of public discourse, especially in relation to the opportunities and challenges of the digital revolution and the World Wide Web. Prerequisite: Writing 101.

3 credits.

Writing 213. Advanced Rhetoric and Composition. (W)

Intensive study of writing for students interested in developing rhetorical skills in composition. Attention both to concepts of classical rhetoric and to issues arising in the context of contemporary cultural environments and communications practices.

3 Credits.

Business/Writing 220. Business Communications. (W)

Business Communications is a workplace-oriented course designed to help students develop and refine the written and oral skills necessary to communicate effectively in professional settings. Students will review the purpose and style of business writing and complete a variety of focused writing exercises based on actual work settings and scenarios. Students will also plan, compose and analyze letters, memoranda and electronic messages; prepare and present brief oral presentations, collaborate with others and revise business communication.

3 Credits.

Writing 311. Advanced Creative Writing Workshop. (W)

Workshop for in-depth study of the craft of writing. Students will concentrate on one genre (poetry, fiction, or drama) and produce a polished portfolio of their work. Workshop sessions provide opportunity for rigorous and supportive feedback on works in progress with the goal of helping class members produce their best writing. Prerequisite: Writing 211 or 213.

3 Credits.

Graduate Courses

Master of Arts in Religious Studies Courses

Core Courses

Church History 585. Modern Church History 1750 to the Present.

A study of the Christian Church in the wake of the Last Judgment, covering the modern and postmodern eras, examining theological and institutional trends of churches in response to the development of science and philosophy in the light of the increase of freedom of thought and action in Western culture. Guiding questions for the course ask, "How has the Last Judgment affected the continued development of the Christian Church?", and, "Can the Christian Church remain relevant in the trajectory of the modern era?"

3 Credits. Lecture.

Religious Studies 510: Methodological Approaches to Religious Studies-An Introduction.

This course is an introduction to three research methods that are of value in investigating topics in religious studies. The three are: scriptural hermeneutics, historical methods, and sociological methods.

3 Credits.

Religious Studies 550: Swedenborg's Life and Times.

Exploration of the Swedish context of Swedenborg's intellectual and spiritual development, his call, and his revelatory works. Examines the geography, history, culture, and society of Sweden and the Baltic world in the eighteenth century.

3 Credits.

Theology 514: Doctrine of the Lord.

The essential nature of the Divine, the incarnation and glorification, the Lord's temptations and presence with the human race through the Divine Human.

3 Credits.

Theology 518: Doctrine of the Word.

The nature of inspiration and revelation, including the structure and interrelationship of the Old Testament, New Testament and the Writings, and the role of the literal and spiritual sense.

3 Credits.

English

English 510: Chaucer and Medieval English Literature.

Study of Chaucer as the major literary figure and influence from medieval English literature. Chaucer and his major works against the background of Anglo-Saxon and Norman culture and against fourteenth-century literary and religious movements as presented in such works as: Sir Gawain and the Green Knight, The Wyclif Bible, and The Book of Marjory Kempe.

3 Credits.

History

History 515: Seminar on the Age of Enlightenment.

Exploration of the leading intellectual, socio-cultural, and political developments in Europe between the end of the Wars of Religion and the French Revolution (1648 and 1789). Focus on the rise of the modern.

3 Credits.

History 530: Twentieth Century American History Seminar.

Selected topics affecting twentieth-century American society. Potential topics include foreign policy; economic, social, and political change; and wars of the 20th century.

3 Credits.

Philosophy

Philosophy 510. Topics in Contemporary Philosophy I.

Exploration of themes and problems in contemporary philosophy. Readings from analytic, continental, postmodern, or neo-pragmatist philosophers in areas such as the philosophy of ethics, politics, language, mind, law, science, religion, or other sub-fields. Strongly recommended: Philosophy 101. Prerequisite: Philosophy 102.

3 Credits.

Philosophy 511: Topics in Contemporary Philosophy II.

Complement to Philosophy 510, but may be taken independently. Topics and emphases change periodically.
3 Credits.

Philosophy 521. Swedenborg's Philosophy.

Swedenborg's thought upward from the human body in his "search for the soul." Main text taken from the sections on Series and Degrees and The Human Soul in The Economy of the Animal Kingdom, terminating in applications in The Rational Psychology.
3 Credits.

Psychology

Psychology 501: Counseling and Clinical Psychology.

Examination of psychological theories that inform the skills of counselors and clinical psychologists in various professional settings. Topics include psychological theories, the roles of the counselor, listening skills, case conceptualization, treatment methods and intervention strategies. Consideration of what it means to be a New Church therapist. Students participating in the optional lab will receive the fourth credit.
3 Credits/4 Credits with optional lab.

Educational Psychology 540: Education Psychology.

Study of secular psychology as it is applied to children and adolescents in the classroom setting. Major areas of study include classroom management, learning, and motivation. New Church doctrines include innocence, charity, development of the rational mind, and conscience.
3 Credits.

Psychology 541: Human Development: Adult Altruism.

Exploration of historical and contemporary psychological theories about moral development, character strengths, altruism, optimism, flourishing, flow, generosity and spiritual maturity. Major emphasis on the states of adults over 18 years of age. Examination of New Church doctrinal principles regarding adult human development: regeneration, opening of the rational mind, developing a new will, acquiring wisdom, and leading a life of useful service to the neighbor.
3 Credits.

Sociology

Sociology 540: Seminar in the Sociology of Religion.

Exploration of the relationship between the ideational and organizational components of religion and the major social variables, including gender, class, power, race and nationality. Historic and current religions and religious movements examined both theoretically and empirically, including the New Church.
3 Credits.

Theology

Theology 505: Universal Doctrines of the New Church I.

Systematic survey of the universal theology of the New Church: God the Creator, the Lord the Redeemer, the Holy Spirit, the Holy Scripture and Ten Commandments, and Faith. Text: True Christian Religion.
3 Credits.

Theology 506: Universal Doctrines of the New Church II.

Continuation of Religion 505. Faith. Charity. Free will. Repentance. Reformation and regeneration. Imputation. Baptism and the Holy Supper. The Second Advent. The New Church. Text: True Christian Religion.
3 Credits.

Theology 515: The Spiritual World.

The nature, structure, life and phenomena of the spiritual world. Consideration of the philosophical implications of the creation of that world and consideration of other beliefs about heaven and hell.
3 Credits.

Theology 520: Regeneration.

Overview of the states of regeneration, covering heredity evil, remains, repentance, temptations, conscience, forgiveness, and charity.
3 Credits.

Theology 524: Conjugal Love.

The essential spiritual nature of marriage, preparation for it, its progressive states and challenges, and various disorders which are destructive of marriage.
3 Credits.

Theology 526: The Human Mind.

The nature and degrees of the adult human mind as a vessel receptive of the Divine.
3 Credits.

Theology 527: Old Testament Themes.

A topical approach to the Old Testament considering major doctrinal themes in the letter of different books of the Old Testament, different styles within these books, the context of this revelation, and historical issues related to the Old Testament texts.
3 Credits.

Theology 528: New Testament Themes.

The characters of the Four Gospels, their inspiration, differences, major themes present in the individual Gospels and in the overall dispensation. (The Apocalypse will not be left out of this discussion, but is covered in greater detail in Theology 668.) There will be some attention to historical context, including a look at the Acts and Epistles.
3 Credits.

Theology 530: The Gospels.

A look at the character of the Four Gospels as a revelation distinct from the Old Testament and Heavenly Doctrine given through Swedenborg. We will look at the qualities of each Gospel and consider what each contributes to the spiritual meaning of the Word. There will be some attention to historical context, including a look at the Acts and Epistles.
3 Credits.

Theology 540: The Last Judgment, the Second Coming, and the New Church.

Consummation of the first Christian Church. The process of the Last Judgment. The Second Coming and its relation to the Doctrines of the New Church. The New Church and True Christianity.
3 Credits.

Theology 570: Studies in the Arcana Coelestia.

Introduction to the celestial, spiritual and spiritual-historical meanings of the Word. The ancient churches. The representation of Abraham, Isaac, and Jacob. The Exodus. This course aims for a general knowledge of the first published works of the Doctrines of the New Church, and includes selected readings of approximately 500 pages.
3 Credits.

Theology 580: History of New Church Doctrine.

Seminar in the development of doctrinal thought in the history of the New Church. Considerations of various and divergent interpretations. The evolution of ideas and their impact on the Church. Reflection on the intellectual heritage of the Church from an historical perspective. Extensive research in New Church collateral literature. 3 Credits.

Theology 599: Independent Study.

An opportunity to explore subject matter which is not covered in the curriculum. Based on approval and availability of faculty. 3 Credits.

Master of Divinity Courses

The administration will make every effort to offer the courses listed in this catalog but reserves the right to cancel courses if necessary.

Church History

Church History 682. History of the Most Ancient, Ancient, and Israelitish Churches.

A study of the doctrinal teachings concerning the pre-Advent churches; their rise and fall, with emphasis on the human states of reception and the operations of the Lord in reference to those states in each of the churches. Their sequence is examined in such a way as to illustrate spiritual fullness, despite the recurrent introduction of evil into those churches by men. Special emphasis is laid upon the subject of correspondences and representatives, and their central significance in every church. Seminar. 3 Credits.

Church History 684. The Christian Church: Rise and Fall.

Growth of the Christian Church from its primitive beginnings through its decline, the Reformation through modern developments. Emphasis is on the history of the various teachings of the Lord, and how these both reflected the times they were devised in, and how they have impacted the development of the Church. Seminar. 3 Credits.

Church History 686. Swedenborg's Life and Call.

A brief survey of Swedenborg's life and preparation to receive the new revelation. A more detailed examination of his transition period (1743-1748). The writing and publication of Swedenborg's theological Writings and public response during his life. Seminar. 3 Credits.

Church History 687. New Church History.

Chronological and topical study of the rise and early development of the New Church in Europe and North America. The rise of the Academy movement and the development of the General Church of the New Jerusalem. Consideration of selected issues in modern church history. Emphasis on the history of doctrine. Seminar. 4 Credits.

Homiletics

Homiletics 911. Principles of Exposition.

Study of the letter of the Word in reference to the doctrine of genuine truth, the science of correspondences, and the spiritual sense of the Word. Study of the principles of exposition in application to selected texts in the letter of the Word.

Seminar.

3 Credits.

Homiletics 921: Sermons from Old Testament Texts.

Theory and practice of sermon writing. Sermons will be from various styles in the Old Testament: from a made-up historical story, from an actual historical story, from a psalm. Workshop.

3 Credits.

Homiletics 922. Doctrinal Classes and Children's Talks.

Preparation of doctrinal classes. Preparation and presentation of children's talks. Workshop.

1 Credit.

Homiletics 923: Sermons from the Prophets and New Testament Texts.

Theory and practice of sermon writing. Sermons will be from the Prophetic style of the Old Testament, and from various styles in the New Testament. Workshop.

3 Credits.

Homiletics 932. Sermons: A Variety of Topics and Focus.

Writing general purpose and festival sermons. Emphasis is upon organization of material for ease of presentation. Workshop.

3 Credits.

Homiletics 933. Sermons for Traditional and Contemporary Services and Memorial Addresses.

This term of homiletics will provide the background for writing memorial services including dealing with challenging issues in the life of the deceased or surviving family as well as further development of sermon writing as well as a consideration of the differences between sermons for traditional and contemporary settings.

Workshop.

3 Credits.

Pastoral Theology

Pastoral Theology 841-842. Doctrine of the Priesthood and Principles of Church Government.

An analysis of the doctrine concerning the two interrelated uses of the priesthood, teaching and learning. External and internal evangelization. Leading by means of representatives in worship. Government by influx as in the heavens, and by afflux as in the hells. How these two are applied to the government of the church. Two-term Workshop.

1 Credit.

Theology 844. Introduction to Pastoral Counseling I. Seminar.

An examination of the basic principles of counseling for individuals, including three facilitative conditions, three action conditions, and the micro boundaries inherent in all communication. Basic listening and responding skills are practiced in small groups and in role plays. Special emphasis is placed on recognizing problems that need to be referred to other professionals, when to make such referrals, and to whom these referrals should be made.

Teachings from the Heavenly Doctrines are included that support the counseling process. Text: On Becoming a Counselor by Kennedy and Charles.

3 Credits.

Pastoral Theology 845. Introduction to Pastoral Counseling II. Seminar.

An examination of the basic principles of counseling for couples and families including the concepts of homeostasis, fusion, triangles, boundaries, and differentiation of a self. Basic listening and attending skills are practiced in small groups and role plays looking to applications in couples counseling. A seven session format for couples counseling using the Imago model is presented and skills for implementing the program are practiced.

Text: Short Term Couples Therapy the Imago Model in Action by Wade Luquet.

3 Credits.

Pastoral Theology 848. Priestly Duties.

Pastoral responsibilities. A broad review of the practical responsibilities of a General Church of the New Jerusalem pastor.

Workshop.

1 Credit.

Pastoral Theology 851. Liturgics: Doctrinal Foundations.

Introductory course exploring the doctrinal underpinnings of traditional and contemporary General Church of the New Jerusalem (GCNJ) ritual. The focus is on how and why the GCNJ office came into being, exploring the development of liturgical practice in the New Church from its earliest days to the present. Focus of study will be in the issues of external and internal worship, the role of ritual in worship, the house or place of worship with its symbolism. Workshop.

1 Credit.

Pastoral Theology 852. Liturgics: Orders of Services for Worship.

A practical course on constructing an order of service, examining the place and use of music, singing, the letter of the Word, prayer, lessons, the children's talk, sermon and benediction. There will be a major emphasis on developing a familiarity with the liturgy and practice of leading worship according to the standard General Offices, as well as contemporary, informal and home settings. The aim of this course is to prepare students to be able to comfortably lead a service in a variety of settings before their Candidate experience requires them to do so.

Workshop.

1 Credit.

Pastoral Theology 853. Liturgics: Rites and Sacraments.

Conclusion of liturgical studies. A review of the doctrines associated with liturgics with additional study of the doctrines around the sacraments and rites of the New Church and their incorporation into services, or as free-standing services. Examination of variations from the General Offices in liturgical practice, to accommodate the tastes of New Church members while maintaining the integrity of doctrinal understanding of liturgics. Design of orders of service and practice are a central part of this workshop.

Workshop.

1 Credit.

Pastoral Theology 860. Conflict Resolution.

Examination of methods of resolving conflicts in a variety of settings. Communication skills based on New Church doctrines (angels settling disputes), and best practices in human resource management and organizational psychology. Each of the specific communication skills will be analyzed in terms of the levels of effectiveness: Excellent, Good, Sub-par (too passive) and Destructive (too aggressive). Conflict resolution include methods such as agreeing to disagree, presenting the tough issue, discovering other viewpoints, remaining firm but friendly, and repairing the damage. Students will practice until they demonstrate competence at the level of Excellence.

Attention given to basic mediation training skills as needed by pastors. Seminar.

3 Credits.

Practical Theology 862. Group Dynamics.

Analysis of human behavior in group settings that pastors experience: boards, spiritual growth groups, committees and congregations. Synthesis of concepts from New Church doctrine (leaders, useful communities, charity) and secular social psychology about individuals in group settings. The typical dynamics during the stages of group formation: forming, norming, storming, conforming and performing of groups. Various patterns of leadership and the different effects they have on group behavior. Attention given to social loafing, group-think, cooperation,

competition, trust, polarization and deindividuation. Students will practice until they demonstrate competence at the level of Excellence in leading groups effectively, during role plays. Seminar.
3 Credits.

Pastoral Workshops and Program

Business 864. Pastoral Business. Seminar.

The focus of this course will be an exploration of management and administrative activities, societal and legal obligations, budgeting and financial affairs, volunteer and employment issues, outreach and marketing functions, mission accountability, responsibilities to stakeholders, fund and friend raising, plus community relations from the perspective of a religious organization. In addition, the course will explore operational and long term planning along with the implementation of strategic initiatives to fulfill the organization's mission while improving efficiency and effectiveness.

3 Credits.

Communication 716. Topics in Communication.

Communication is one of the most important activities we engage in as humans. It is how we connect with the Lord, each other, and our world. As a pastor, learning to communicate effectively is essential. This course will explore communication topics and their practical application. Topics will include the role of persuasion in communication, listening skills, and available communication tools for pastors. The course will also address leadership and how to lead through change. A significant portion of the course will deal with structuring an effective oral message.

3 Credits.

Education 631. Institutional Design. Seminar.

Instructional Methods and Design for Religion is a seminar survey course on educational methods for theological school students. Students are encouraged to reflect on their own experiences in education, analyze best teaching practices in light of the Heavenly Doctrine and develop ways to apply what they have learned in a variety of settings. Students work cooperatively and individually to design effective religious instruction. When designing instruction emphasis is placed on aligning learning goals, instructional methods and assessment practices.

3 Credits.

Education 634. Institutional Design. Workshop.

Delivering and Managing Religious Instruction is a series of 10 workshop that focuses on supporting theological students while they apply in at least two setting the concepts they learned in Ed 631. Students are introduced to beginning level classroom management skills and asked to evaluate the skills in light of the Heavenly Doctrine.
1 Credit.

Experiential Learning. Workshop

First and Second year theological students are assigned to 3 hours/week to pre-professional roles in the community or a church organization. They assist pastors and lay leaders in serving people in specific uses, and connecting with all the people in these settings in excellent ways. Students are assessed on these nine "Connecting Skills" by on site supervisors: 1) Demonstrating interest in the other person, 2) Finding common ground, 3) Showing respect for the other person, 4) Assessing if there are any needs, 5) Offering services, if needed, 6) Sharing humor (appropriately), 7) Dealing with barriers, 8) Valuing differences, 9) Building trust. Students change settings at least three times a year so they learn through their various experiences how to apply theology to the practical side of being a pastor.

3 Credits.

Experiential Learning:

Theologs spend an average of three hours a week for 30 weeks a year, in their Service Learning Assignments. Usually there is a change in assignment every ten weeks. The assignments involve interacting with people as aides to ordained and non-ordained leaders in this community. All of the assignments give the theologs direct experience relating to people in settings that are similar to what they will encounter, once they themselves are ordained ministers. Students are assessed by onsite supervisors on nine connecting skills. They are rated as

demonstrating an Excellent, Good, Sub-par or Destructive level for each of the nine skills. Students meet as a group once a week for about an hour to receive coaching from a faculty member. Service Learning is usually part of the curriculum for first and second year theological students, for a total of 6 terms.

Workshop.

1 Credit.

Workshop 700. Convocation.

Weekly meeting for all students. Subject matter is widely varied from general discussions of any issues of interest to students to reports from students about their practicum. Many of the periods will be devoted to guest speakers addressing challenging human issues such as alcoholism, domestic abuse, special needs children, etc.

No Credit.

Workshop 710. Pastoral Orientation.

Introduction to Theological School studies and the clergy's perspective on pastoral life. Tutorial with assignments such as pastoral visiting, Cathedral guiding, helping prepare worship services, etc.

Workshop.

1 Credit.

Workshop 720. Speech I: Public Speaking and Interpersonal Communication.

Introduction to communications theory: Self as communicator, communication process, perception in communication, and effective communication—qualities and barriers. Emphasis on applications to professional work of the priest.

Workshop.

1 Credit.

Workshop 724. Speech II: Concepts in Interpersonal Communication.

Introduction to oral interpretation of literature. Advanced interpersonal communication theory and skills development. Workshop.

1 Credit.

Workshop 728. Speech III: Advanced Concepts in Public Speaking and Interpersonal Communication.

Advanced interpersonal communication theory, skills development, and practice.

Workshop.

1 Credit.

Workshop 738. Experience in Preaching.

When a student is made a candidate, usually in the spring of the next-to-last year of his studies; he preaches and gives classes, using approved material. Includes weekend assignments to nearby societies, circles, or groups.

Workshop.

No Credit.

Workshop 750. Practicum.

Fall term of a student's final year is spent doing pastoral work in a New Church congregation. Required of candidates for the ministry. 10 Week Practicum.

No Credit.

Theology

Theology 601. Heavenly Doctrines as Systematic Theology.

An introductory course required of all Theological School students. Its purpose is to provide for the students the framework, the context, and the direction of the Theological School program. It introduces the students to the major doctrines presented in the theological Writings of Emanuel Swedenborg or Heavenly Doctrines along with their core teachings, to the relationship among the major doctrines, to fundamental terms in the Heavenly

Doctrines, to important ideas about and arising from the Heavenly Doctrines, and to important perspectives on theology in general and on the Heavenly Doctrines in particular. Seminar.
3 Credits.

Theology 612. Doctrine of the Lord.

The systematic teachings of Swedenborg's theological Writings about the Lord: His essential nature from eternity; His relationship with us before the advent; why He needed to "come"; what He accomplished (redemption); how He accomplished it (glorification of His human); the enduring effect of the glorified Divine Human, and of His presence through it. In considering the Lord's glorification process we look at His conception, heredity, and development in the human. We especially look at the nature of His temptations, which were the means of His subjugating the hells. Seminar.
3 Credits.

Theology 614. Studies on the Glorification: I.

The Lord's childhood. Acquisition of knowledge. Early temptations. The first rational. Divine perception. The Divine Rational. In-most temptations. (Arcana Coelestia, chap. 12-22).
Seminar.
3 Credits.

Theology 616. Studies on the Glorification: II.

The conjunction of good and truth in the Lord's Divine Rational. Conception and birth of the Divine Natural. Appearances of truth. The glorification of the Natural. Mediate good. The conjunction of natural truth with spiritual good, and of the Divine good natural with the good of truth. (Arcana Coelestia, chap. 23-33).
Seminar.
3 Credits.

Theology 620. The Revelation Given to the New Church.

The nature of the theological Writings given to the New Church through Emanuel Swedenborg. Its relationship to former revelations. Approaches to forming a doctrine for the church in response to the new revelation. The nature and role of that doctrine. Seminar.
3 Credits.

Theology 626. Themes in the Old Testament.

The character of the Old Testament, seen in the light of the theological Writings of Emanuel Swedenborg (the "Heavenly Doctrine"). The nature of its inspiration and its place in the history of revelation. A look at the major themes in the literal sense that are the basis for its spiritual meaning. Seminar.
3 Credits.

Theology 628. Themes in the New Testament.

The character of the New Testament, seen in the light of the theological Writings of Emanuel Swedenborg (the "Heavenly Doctrine"). The nature of its inspiration and its place in the history of revelation. The focus is especially on the Four Gospels: their different ways of telling the Good News; major themes present in the individual Gospels and in the overall dispensation. (The Apocalypse will not be left out of this discussion, but is covered in greater detail in Theology 668.) There will be some attention to historical context, including a look at the Acts and Epistles.
Seminar.
3 Credits.

Theology 640. Seminar on the Divine Providence.

A study of the Lord's government with a focus on the laws and fundamental principles regulating the His interaction with people and their response to Him, as seen in the work Divine Providence. Comparison with Apocalypse Explained treatment of "laws of Divine Providence." Relation of Providence to free human activity.
Seminar.
3 Credits.

Theology 642. The Human Mind and its Regeneration.

The human mind as a vessel created by the Lord to receive and respond to Him, and ultimately to fulfill His end in creation: a state of conjunction between human beings and Himself, i.e. heaven. Structure and faculties of the mind, influx of life into the mind. The greater part of the course focuses on the Lord's work of regenerating human

beings for heaven and the role of human beings in cooperating with it. Stages and states of regeneration, from birth to the final formation of a person's ruling love ("Book of life"). Seminar.

3 Credits.

Theology 646. Conversations on Marriage.

A study of the doctrines about marriage as contained in the work, Conjugal Love, with an emphasis on the pastoral issues concerning marriage. Concerned primarily with the teachings related to eternal marriage and the happiness it brings, this course also deals with current issues of gender difference. Seminar.

3 Credits.

Theology 660. Doctrine of the Spiritual World: I.

Death, resurrection, early states after death, vastation, punishment.

This course covers the essential doctrine of death and resurrection. It traces the progress of spirits through the World of Spirits, including the process of individual judgment to heaven or hell, vastation and punishments of the evil. The course also explores the influence of the World of Spirits in human life in the natural world by means of spheres and associate spirits. Seminar.

3 Credits.

Theology 662. Doctrine of the Spiritual World: II.

Realities of spiritual world, correspondences of Grand Man, Heaven and Hell.

A continuation of Theology 660. This course traces the continued process of a spirits as they enter into either heaven or hell. It also explores the divisions of the Spiritual World and the distinctive features of heaven and hell, the doctrine of the Grand Man, the life of children in heaven and the qualities of hell. Seminar.

3 Credits.

Theology 668. The Apocalypse and Last Judgment.

Using the book of Revelation and the Apocalypse Revealed as guides, this course explores the process of the Last Judgment in 1757. Particular emphasis is placed on the Biblical correspondences that describe the states of the church and individuals in the Christian era, and how these states led to the downfall of the Christian Church and the establishment of the New Church. Seminar.

3 Credits.

Theology 690. Doctrine Concerning New Church Evangelization.

The need for New Church education and evangelization and some of the doctrinal principles involved in it. Workshop.

3 Credits.

Theology 691. New Church Education: Doctrine, Practice and Resources

The doctrinal principles underlying New Church education, issues in leadership in New Church education, and introduction to materials to support teaching of religion in schools, Sunday Schools, and family-based religious instruction. Workshop.

2 Credits.

Theology 691. Doctrine Concerning New Church Education.

The need for New Church education and evangelization and some of the doctrinal principles involved in it. Workshop.

3 Credits.

Theology 695. Dissertation Writing.

A serious study and written dissertation demonstrating the ability to present and explain doctrine. Required of all degree students. Individually advised.

3 Credits.

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