

BRYN ATHYN COLLEGE

2016-17

Course Bulletin

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**BRYN ATHYN COLLEGE CALENDAR FOR ACADEMIC YEAR 2016-2017:
ONE HUNDRED and FORTIETH ACADEMIC YEAR**

2016			
June	TBD TBD 27-1	TBD TBD Mon-Fri	MARS Summer Session Course registration for new students Building Arts Intensive Workshop
July	11-15 18-22 25-29	Mon-Fri Mon-Fri Mon-Fri	Building Arts Intensive Workshop Building Arts Intensive Workshop Building Arts Intensive Workshop
August	TBD 15 16 16-19 20 20-23 21 22 23 24	TBD Mon Tues Tues-Fri Sat Sat-Tues Sun Mon Tues Wed	Course registration for new students Faculty retreat Administration and Faculty meetings RA training 11:00 am – 4:00 pm: New Students (US and International) arrive on campus Orientation for new students 12:00 pm - 5:00 pm: All returning students arrive on campus 8:00 am - 5:00 pm: Open advising period for all students 7:00 pm: President's Welcome (dessert) for all students (Glencairn) 8:00 am: Fall Term classes begin
September	5	Mon	Labor Day holiday
October	14 24-2	Fri Mon-Wed	Charter Day Registration for Winter Term
November	4 7 8 11 24 27 28	Fri Mon Tue Fri Thu Sun Mon	Fall Term classes end Reading day Exams begin Fall Term ends after exams Thanksgiving holiday Resident students return Winter Term classes begin
December	16	Fri	Christmas vacation begins following afternoon classes
2017			
January	1 2 16 23-1	Sun Mon Mon Mon-Wed	Resident students return Classes resume Martin Luther King, Jr. holiday Registration for Spring Term
February	20 21 22 25	Mon Tues Wed Sat	President's Day -regular class schedule, Winter Term classes end Reading day Exams begin Winter Term ends after exams
March	7 8 22-24	Tues Wed Wed-Fri	Resident students return Spring Term classes begin Phase I Registration
April	10-14 17 24-28	Mon-Fri Mon Mon-Fri	Phase II Registration Easter Monday holiday Phase III Registration
May	17 18 19 24 26 27	Wed Thurs Fri Wed Fri Sat	Spring Term classes end Reading day Exams begin Last day of exams 6:30 pm: Graduation Dinner (Brickman Center) 10:00 am: Graduation (Asplundh Field House)
June	1	Thurs	End of Year Faculty Meeting and End of Year Faculty and Staff Gathering

Academic Reminders and Requirements

Make sure you have a tentative academic plan before you see your advisor to register for classes. Your advisor can provide information and perspectives that may help you make decisions, but it is your academic program. It is your responsibility to ensure it is the program you want and need.

Each term, choose three or four academic courses at the appropriate level. Full-time students must take at least 9 academic credits each term. However, to stay on track for a graduation in four years and maintain full eligibility for student loans, you will need to complete 31 credits per year. Full-time tuition covers 14.5 credits per term; additional payment is necessary for any more. Keep the following requirements in mind:

First Year Requirements

- Two religion courses (100-level) during the year including passing Religion 101 or 110
- Writing 101 (or Writing 100 as recommended)
- Math 101 (or test out of it via Math placement test)
- At least 9 academic credits each term 100-level courses unless you get permission for upper-level courses
- To advance to second year status, you must complete residency requirements and at least 31 credits.

Second Year Requirements

- Two religion courses during the year
- Writing 202
- At least 9 academic credits each term 100- or 200-level courses unless you get permission for higher-level courses
- To advance to third year status, you must complete residency requirements and accumulate at least 62 credits. Fourth year status requires completion of residency requirements, accumulating at least 93 credits, and acceptance into a major program.

Third and Fourth Year Requirements

- One religion course each year (not 100-level)
- At least 9 academic credits each term
- Graduation requires completion of major, core, and residency requirements and completing at least 124 credits (some majors may require more). Additionally, a minimum of 120 credits must be academic (some courses carry non-academic credit, mainly PE courses).
- In addition to the residency requirements listed above, students interested in the following majors should register for the courses listed below in their first year:
- Biology: Bio122 & 123, Chem101 and/or Chem 110&111
- Education: Ed128, ESci110, Geog110, any 100-level History course, two math courses, Phil102, Rel101 or 110
- English: n/a (Recommended: Eng105)
- ID: 100-level requirements/recommendations from the appropriate areas
- History: any 100-level history courses (Recommended: 100-level anthropology, geography, political science, sociology courses)
- Psychology: Psyc101 (Recommended: Math130 and 100-level anthropology and/or sociology)
- Religion: Rel110 and either Rel115 or Rel125

Worksheets for Majors:

If you are interested in a particular major, please see the worksheets online. Major requirement worksheets are available on our website at the following location:

<http://www.brynthyn.edu/academics/majors/forms.html>.

Graduation Applications:

Are you planning on graduating this May? Try filling out the graduation application to see what courses you might be missing. Graduation Applications are available on our website at the following location:

<http://www.brynthyn.edu/academics/majors/forms/>.

Student Online Registration Instructions:

- Go to: <https://www.BrynAthynSonis.com>
- Login and click on “Students”
- Enter your PIN and ID (PIN is case sensitive, ID requires leading zeroes)
 - If you forget your ID or PIN, click the link on login page
- Click on “Academics” and select Registration
- Select “View All” to see course list
- Register for a course by clicking on the number in the “spaces” column
- After selecting courses, click on “Continue Registration Process”
- Review courses and, if correct, click “Continue”
- Finalize by clicking “Return” button.
- If a course is full, you can add yourself to a wait list by clicking the number in the “wait” column

Notes:

You will need to see your advisor if you want to:

- audit a course
- conduct an independent study
- complete an internship
- take more than 14.5 credits

See the Undergraduate Student Handbook online for details.

Your advisor will guide you through the process of setting up an independent study or internship.

Please note that students and advisors will be unable to register for internships or independent studies through the online registration system. Internships and independent studies will be registered by the Registrar once the appropriate paperwork has been completed.

Core and Major Information

See the Academic Programs Bulletin for information regarding the Core Program and Majors.

Fall Term 2016-17 Undergraduate Course List

As of 8/24/16. (Independent Study and Internship courses not listed).

BLOCK	NAME OF COURSE	TITLE	CREDITS	INSTRUCTOR
1	Bio122_0*	Introduction to Biology: Genetics and Evolution	3	A.F. Bryntesson
3	Bio122_1*	Introduction to Biology: Genetics and Evolution	3	A.F. Bryntesson
22	Bio122L_0*	Introduction to Biology: Genetics and Evolution Lab	1	S.R. Evans
22	Bio122L_1*	Introduction to Biology: Genetics and Evolution Lab	1	S.R. Evans
24	Bio122L_2*	Introduction to Biology: Genetics and Evolution Lab	1	S.R. Evans
4	Bio210*	Human Anatomy and Physiology I	3	E.J. Higgins
22	Bio210L_0*	Human Anatomy and Physiology I Lab	1	E.J. Higgins
24	Bio210L_1*	Human Anatomy and Physiology I Lab	1	E.J. Higgins
5	Bio230	Genetics	3	A.F. Bryntesson
2	Bio490	Biology Seminar I	1	E.J. Higgins
3	Bus141	Accounting I	3	E.S. King
11	Bus/Wrt220	Business Communications	3	A.N. Rose
7	Bus254	Principles of Marketing	3	W.B. Jungé
12	Bus305	Business Seminar	1.5	E.S. King
2	Bus493	Senior Literature Review	2	E.S. King
3	Bus/ID494	Senior Seminar I	1	D.A. Synnstedt
3	Chem210**	Organic Chemistry I	3	E.J. Higgins
21	Chem210L_0*	Organic Chemistry I Lab	1	S.R. Evans
23	Chem210L_1*	Organic Chemistry I Lab	1	S.R. Evans
4	Comm205	Intermediate Public Speaking	3	S.V. Bernhardt
5	CSci105	Introduction to Computer Systems	3	N. Simonetti
8	Dan132/232	Jazz Dance	1.5	J.R. Bostock
12	Dan160/260/260	Dance Ensemble	1.5	J.R. Bostock
9	Dan241	History of Twentieth-Century American Dance	3	J.R. Bostock
Special	Dan493	Senior Lit Review	2	J.R. Bostock
9	Econ131	Macroeconomics	3	W.B. Jungé
1	Ed217	Language, Literacy, and Numeracy	3	N.G. Phillips
4	Ed322	Social Studies and the Young Child	3	N.G. Phillips
Special	Ed402	Student Teaching	12	N.G. Phillips
3	Eng218	American Literature I	3	R.S. Cooper
8	Eng367	The Modern Novel	3	K. King

3	EnSci105*	Introduction to Sustainability	3	E.R. Potapov
21	EnSci105L_0*	Introduction to Sustainability Lab	1	E.R. Potapov
23	EnSci105L_1*	Introduction to Sustainability Lab	1	E.R. Potapov
6	FA120**	Metal Work I	3	M. Gyllenhaal
6	FA125**	Photography	3	C.K. Orthwein
4	FA213/313	Topics in Twentieth-Century Architecture: Bryn Athyn's National Historic Landmarks	3	M. Gyllenhaal
Special	FA493	Senior Literature Review	2	M. Gyllenhaal
Special	FE1	Field Experience I. Observation	3	S.J. Wong
7	FYS101	First Year Seminar	1	L.C. Nash
4	Geog110	World Regional Geography	3	A. Yardumian
4	Germ101	Introductory German I	3	S.B. Lawing
2	Hist112	The Viking World	3	S.B. Lawing
2	Hist257	Women in Classical Antiquity	3	W.E. Closterman
9	Hist305	Topics in History: Revolution	3	DGR & WEC
7	Hist330	Twentieth-Century American History Seminar	3	D.G. Rose
6	HSoc401	Capstone Seminar I	3	A. Yardumian
22	Math095_0	Preparation for Quantitative Reasoning	1	A.N. Rose
9	Math095_1	Preparation for Quantitative Reasoning	1	M.T. Genzlinger
4	Math101_0	Introduction to Quantitative Reasoning	3	G. McMackin
3	Math101_2	Introduction to Quantitative Reasoning	3	M.T. Genzlinger
1	Math150	Calculus I	4	C.B. Bongers
23	Math230	Linear Algebra	3	N. Simonetti
Special	Math493	Senior Literature Review	2	N. Simonetti
Special	Mus100	College Chorale	1	G.T. Bier
4	Mus110	Introduction to Western Music	3	G.T. Bier
7	PE103	Life and Health	1	H.D. Bryntesson
5	PE133	Yoga	1	A. Irwin
4	Phil102_0	Introduction to Philosophy	3	D.A. Synnestvedt
5	Phil102_1	Introduction to Philosophy	3	M.E. Latta
3	Phil111	Introduction to Moral Philosophy	3	M.E. Latta
8	Phil/PS220	Political Thought	3	D.A. Synnestvedt
4	PSci212	International Relations	3	A. Irwin
8	Psyc101	Introductory Psychology	3	K.K. Rogers
7	Psyc201	Abnormal Psychology	3	E. Goldblatt-Hyatt

9	Psyc220	Cognitive Psychology	3	K. Rogers
8	Psyc341	Human Development: Adult Altruism	3	L.C. Nash
11	Psyc490	Research Methods in Psychology	3	F. Cavallo
5	Rel101_0	Introduction to New Church Doctrines	3	T.P. Glenn
8	Rel101_1	Introduction to New Church Doctrines	3	R.J. Silverman
2	Rel101_2	Introduction to New Church Doctrines	3	G.R. Schnarr
3	Rel101_3	Introduction to New Church Doctrines	3	G.R. Schnarr
4	Rel101_4	Introduction to New Church Doctrines	3	G.R. Schnarr
2	Rel110	Introduction to Systematic Theology	3	S.I. Frazier
5	Rel221	The Histories and Prophets of the Old Testament	3	S.I. Frazier
	Rel272	Advanced Religious Ethics	3	R.J. Silverman
4	Rel283	Pre-Christian Religious History	3	S.D. Cole
12	Rel293	Comparative Contemporary Religions	3	B. Halterman
8	Rel320	Judgement, Providence, and Human Society	3	S.I. Frazier
23	Span101	Introductory Spanish I	3	M. Nunez
6	SpEd111	Introduction to Special Education	3	S.J. Wong
3	SpEd331	Classroom Management and Behavioral Support	3	A.N. Rose
23	Thea120	Set Design and Production	3	N. Haus-Roth
8	Writ100_0	Academic Writing	3	C.B. Cooper
8	Writ100_1	Academic Writing	3	C.B. Cooper
5	Writ101_0	Expository Writing	3	K. King
2	Writ101_1	Expository Writing	3	A. Nash
3	Writ101_2	Expository Writing	3	C. Hoffman
4	Writ202_0	Writing About Literature	3	R.S. Cooper
3	Writ202_1	Writing About Literature	3	T.P. Glenn

+This course is offered on multiple levels. All students must register on the 100 level.

*This course requires a lab fee.

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

Fall Term 2016-17 Undergraduate Courses

Biology

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. This course requires a lab fee.
3 Credits.

Biology 122 Lab. Introduction to Biology: Genetics and Evolution Lab.

This course requires a lab fee.
1 Credit.

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. This course requires a lab fee.
3 Credits.

Biology 210 Lab. Human Anatomy and Physiology I Lab.

This course requires a lab fee.
1 Credit.

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 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.

Business

Business 141. Accounting 1.

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

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 work settings and scenarios. Students will plan, compose, and analyze letters, memoranda, and electronic messages. They will also prepare and deliver brief oral presentations, collaborate with others, and revise business communication. Prerequisite: Writing 101.

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 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.

1.5 Credits.

Business 493. Senior Literature Review.

General guidance in continuing research and review literature related to the chosen topic for the senior capstone project. Support for crafting a sound and interesting argument, resulting in an outline of main points for the project. Prerequisite: Business 390.

2 Credits.

Business/ID 494. Senior Seminar I.

For seniors in the Business Major. Focus on developing a spiritual perspective on the student's capstone project using Swedenborgian and other principles. Prerequisite: Business 390.

1 Credit.

Chemistry

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. This course requires a lab fee.

3 Credits.

Chemistry 210 Lab. Organic Chemistry I Lab.

This course requires a lab fee.

1 Credit.

Communication

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 with HTML; introduction to programming with Python; introduction to database design and queries.

3 Credits.

Dance

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 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 241. History of Twentieth-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 493. Senior Literature Review.

General guidance in continuing research and review literature related to the chosen topic for the senior essay. Support for crafting a sound and interesting argument, resulting in an outline of main points for the senior essay. Prerequisite: Interdisciplinary Studies 390.

2 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.

Education

Education 217. Language, Literacy, and Numeracy.

This course prepares students for their role in the early childhood classroom. Many opportunities for application of best practices. Includes theories of language development. Special attention given to emergent language and language-rich environments. Includes 1 credit hour of ELL instruction.

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. Open only to 3rd year students. Prerequisites: Education 128 or 271.

3 Credits.

*Education 402. Student Teaching. (EE)

For students not pursuing Pennsylvania State Certification. Includes at least 12 weeks of combined observation and teaching in an elementary classroom setting, supervised by a teacher from Bryn Athyn College Early Childhood Education Department and by a classroom teacher in the cooperating school. Offered when required. Open only to seniors in the education major.

3-12 Credits.

Field Experience I: Observation.

Field experience (FE) where students are observers in specific classrooms. Students will be assigned to a classroom for guided observation experience that directly relates to course work during the third year. Open to non-majors with permission from department chair.

3 Credits.

Special Education 111. Introduction to Special Education.

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

3 Credits.

Special Education 331. Classroom Management and Behavioral Support.

Addresses classroom management skills of how to foster a positive learning environment; plan and deliver assessment-driven instruction; implement Positive Behavior Intervention and Support (PBIS); and complete a Functional Behavioral Analysis (FBA).

3 Credits.

English

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 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.

Environmental Science

Environmental Science 105. Introduction to Sustainability.

Introductory cross-disciplinary study of the principles of sustainability in the modern world. Topics include: the limits to economic growth, demography and its constraints on economics, ecological implications of human population growth, limits of energy consumption and production, and ecological principles in the modern world. This course requires a lab fee.

3 Credits.

Environmental Science 105 Lab. Introduction to Sustainability Lab.

This course requires a lab fee.

1 Credit.

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.

First Year Seminar 101.

This seminar is an interactive class promoting engagement in the curricular and co-curricular life of the college. It serves to position students for success at Bryn Athyn College through advancing academic preparedness and social integration. Students who complete this course successfully will be able to make informed and appropriate academic plans and social choices. All fall term first year students are required to take this course.

1 Credit.

Service Project 1xx.

Students who participate in a Bryn Athyn College approved service project may apply to receive an EE credit waiver.

1 Credit.

Fine Arts

*Fine Arts 120. Metal Work I.

Introduction to basic metalworking techniques in copper, brass, and silver including sawing, piercing, embossing, form folding, cold joining, soldering, and setting cabochon stones. Inspired by the magnificent examples in Glencairn. This course requires a lab fee.

3 Credits.

*Fine Arts 125. Photography.

Introduction to the use of various cameras, darkroom techniques, alternative processing, and basic design. This course requires a lab fee.

3 Credits.

Fine Arts 213/313. 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 493. Senior Literature Review.

General guidance in continuing research and review literature related to the chosen topic for the senior essay. Support for crafting a sound and interesting argument, resulting in an outline of main points for the senior essay. Prerequisite: Interdisciplinary Studies 390.

2 Credits.

Geography

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.

History

History 112. The Viking World.

Study of the Viking Age, c. 750-1050 CE. This course 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. Students participate in Glencairn Museum's Medieval Festival.

3 Credits.

History 257. Women in Classical Antiquity.

Examination of the social roles and experiences of women in ancient Greece and Rome using archaeological and textual evidence. Topics include stages of life, women's occupations, women's experiences in the household, religion, and public settings, women and the law, and women and medicine. Particular consideration of the challenges presented by the ancient evidence and of the distinction between ideological views and actual lived experiences.

3 Credits.

History 305. Topics in History. Revolution.

Students take part in two historical role-playing games informed by classic texts: the American Revolution as it unfolded in New York City, 1775-1776 and the events in the Paris of 1791 during the French Revolution. Focus on developing skills—speaking, writing, critical thinking, problem solving, leadership, and teamwork—in order to prevail in elaborate and complicated simulations. Open to second-year students and above.

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.

Human Society

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.

3 Credits.

Independent Studies

In addition to the listed courses, all areas offer independent studies numbered 299 or 399 with variable credit. The purpose of an independent study is to allow well-qualified students to study beyond the regularly offered courses. Students who undertake independent studies must be able to work independently between meetings with the instructor and have completed a minimum of 33 credits with a GPA of at least 2.70. Planning ahead is necessary: independent study proposals, syllabi, and required registration paperwork must be completed well before the term in which the study is to occur. Full details can be found in the undergraduate student handbook.

Mathematics

Mathematics 095. Preparation for Quantitative Reasoning.

This course provides additional support for students enrolled in Math101. Topics include translating expressions, building equations, order of operations, and recognizing context. Credit from this course may not be used to satisfy degree requirements.

1 Credit.

Mathematics 101. Introduction to Quantitative Reasoning.

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 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: C- or better in Mathematics 120 or Mathematics 125 or appropriate score on placement test.

4 Credits.

Mathematics 230. Linear Algebra.

Vector spaces, matrices, linear transformations, systems of linear equations, determinants, and eigenvalue problems. Introduction to mathematical proofs. Prerequisite: Mathematics 125, Mathematics 140, or Mathematics 150.

3 Credits.

Mathematics 493. Senior Literature Review.

General guidance in continuing research and review literature related to the chosen topic for the senior essay. Support for crafting a sound and interesting argument, resulting in an outline of main points for the senior essay. Prerequisite: Interdisciplinary Studies 390.

2 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 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.

Philosophy

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/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.

Physical Education

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. Non repeatable.
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.

Political Science

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.

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 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.

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 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.
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.

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 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 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 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 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 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 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.

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.

Theater

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.

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 freshmen before advancement to Writing 101. 3 Credits.

Writing 101. Expository Writing. (W)

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 may take Writing 101 sophomore year. 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. 3 Credits.

Winter Term 2016-17 Undergraduate Course List

As of 11/28/16. (Independent Study and Internship courses not listed).

BLOCK	NAME OF COURSE	TITLE	CREDITS	INSTRUCTOR
4	Anth240	Anthropology of Religion	3	A. Yardumian
6	Anth260	Human Evolution	3	A. Yardumian
3	Bio123*	Introduction to Biology: Molecular Biology	3	A.F. Bryntesson
22	Bio123L_0*	Introduction to Biology: Molecular Biology Lab	1	G. McMackin
24	Bio123L_1*	Introduction to Biology: Molecular Biology Lab	1	G. McMackin
1	Bio124	Introductory Biology for Nursing Students	3	A.F. Bryntesson
5	Bio220*	Human Anatomy and Physiology II	3	T. Osazuwa
24	Bio220L*	Human Anatomy and Physiology II Lab	1	E.J. Higgins
	Bio373	Biological Laboratory Techniques: Molecular Biology	2	A.F. Bryntesson
6	Bio495	Senior Project	3	E.J. Higgins
6	Bus256	Principles of Sales	3	E.S. King
4	Bus301	Business Ethics	3	E.S. King
9	Bus381	Operations and Supply Chain Management	3	W.B. Jungé
23	Bus495	Senior Capstone Project	2	S.S. Werner
4	Chem110_0*	General Chemistry I	3	E.J. Higgins
5	Chem110_1*	General Chemistry I	3	E.J. Higgins
21	Chem110L_0*	General Chemistry I Lab	1	S.R. Evans
21	Chem110L_1*	General Chemistry I Lab	1	S.R. Evans
23	Chem110L_2*	General Chemistry I Lab	1	S.R. Evans
23	Chem110L_3*	General Chemistry I Lab	1	S.R. Evans
2	Chem211*	Organic Chemistry II	3	E.J. Higgins
23	Chem211L*	Organic Chemistry II Lab	1	E.J. Higgins
4	Comm105_0	Public Speaking	3	S.V. Bernhardt
5	Comm105_1	Public Speaking	3	S.V. Bernhardt
7	CSci180	Structured Programming	3	N. Simonetti
8	Dan130	Musical Theater Dance	1.5	J.R. Bostock
Special	Dan495	Senior Essay	2	J.R. Bostock
8	Econ131	Macroeconomics	3	W.B. Jungé
23	Ed201	Foundations of Education	3	N.G. Phillips
9	Ed202	Moral Education	3	A.N. Rose
1	Ed218	Literary Instruction for Young Learners	3	N.G. Phillips
4	Ed323	Math and the Young Child	3	A.N. Rose
6	Ed333	Seminar on Art and Creative Expression	1.5	L. Odhner
Special	Ed402	Student Teaching	12	N.G. Phillips

3	Eng105	Madness in Literature	3	R.S. Cooper
8	Eng219	American Literature II	3	K. King
1	ESci110*	Introduction to Physical Geology and Meteorology	3	E.R. Potapov
22	ESci110L*	Introduction to Physical Geology and Meteorology Lab	1	E.R. Potapov
4	FA101	Aegean to Early Christian	3	M. Gyllenhaal
6	FA130*	Ceramics	3	C.K. Orthwein
6	FA140*	Drawing and Painting	3	M. Gyllenhaal
9	FA141	Building Arts Foundation	3	J.K. Leap
4	FA201	Aegean to Early Christian	3	M. Gyllenhaal
2	FA210	Nineteenth and Twentieth Centuries	3	M. Gyllenhaal
6	FA230**	Intermediate Ceramics	3	C.K. Orthwein
6	FA240**	Intermediate Painting	3	M. Gyllenhaal
Special	FA495	Senior Essay	2	M. Gyllenhaal
7	FE2	Field Experience II: Exploration	3	N.G. Phillips
2	Germ102	Introductory German II	3	S.B. Lawing
2	Grk110	Beginning New Testament Greek I	3	W.E. Closterman
5	Hist114	The Classical World	3	W.E. Closterman
9	HSoc402	Capstone Seminar II	3	S.B. Lawing
5	Lat250	Swedenborg's Theological Latin I	3	S.I. Frazier
4	Math102	Understanding Mathematics in Society	3	C.B. Bongers
2	Math115_0	College Algebra	3	M.T. Genzlinger
3	Math115_1	College Algebra	3	M.T. Genzlinger
2	Math120_0	Pre-Calculus	4	M.T. Genzlinger
3	Math120_1	Pre-Calculus	4	M.T. Genzlinger
3	Math130_0	Introduction to Statistics	4	C.B. Bongers
3	Math130_1	Introduction to Statistics	4	C.B. Bongers
5	Math151	Calculus II	4	N. Simonetti
Special	Math495	Senior Essay	2	N. Simonetti
Special	Mus100	College Chorale	1	G.T. Bier
Special	Mus185	Private Music Lessons, Orchestras, or Choirs	1	G.T. Bier
6	PE133	Yoga	1	A. Irwin
3	Phil101	Critical Thinking	3	D.A. Synnstedt
4	Phil102	Introduction to Philosophy	3	D.A. Synnstedt
6	Phil210	Ancient Philosophy	3	M. E. Latta
4	Phil321	Swedenborg's Philosophy	3	S.D. Cole
Special	Phil495	Senior Essay	3	D.A. Synnstedt
3	Phys210*	Principles of Physics I	3	M. Blair

	Phys210L*	Principles of Physics I Lab	1	M. Blair
1	PSci101_0	Introduction to Politics and Governance	3	D.G. Rose
2	PSci101_1	Introduction to Politics and Governance	3	D.G. Rose
5	PSci210	American Government and Politics	3	D.G. Rose
6	Psyc204	Human Development: Lifespan	3	K. Cronlund
8	Psyc230	Psychology and Spirituality	3	E. Goldblatt-Hyatt
7	Psyc301	Counseling and Clinical Psychology	3	K.K. Rogers
12	Psyc307	Psychological Measurement	3	F. Cavallo
24	Psyc491	Senior Research Seminar	3	E. Goldblatt-Hyatt
3	Psyc492	Senior Seminar	1	L.C. Nash
8	Rel101_0	Introduction to New Church Doctrines	3	R.J. Silverman
2	Rel101_1	Introduction to New Church Doctrines	3	G. R. Schnarr
3	Rel125	The Holy Scripture	3	S.D. Cole
1	Rel205	God, Man, and Creation	3	S.I. Frazier
7	Rel215	The Lord	3	T.P. Glenn
5	Rel223	The Apocalypse	3	A.M.T. Dibb
7	Rel273W	Religion and Marriage	3	R.J. Silverman
23	Rel284	Christian Religious History	3	A.M.T. Dibb
8	Rel310	Studies in Arcana Coelestia	3	T.P. Glenn
Special	Rel490	Religion Senior Project I	3	S.I. Frazier
23	Span102	Introductory Spanish II	3	M. Nunez
7	SpEd212	Supporting Students with Disabilities	3	S.J. Wong
6	SpEd312	Collaboration, Assessment, and Management	3	L.B. Synnestvedt
23	Thea130	Set Design and Production	3	N. Haus-Roth
12	Thea150	Dramatic Performance	1	J.R. Bostock
1	Writ101_0	Expository Writing	3	A. Nash
3	Writ101_1	Expository Writing	3	M.E. Latta
5	Writ101_2	Expository Writing	3	M.E. Latta
4	Writ202_0	Writing About Literature	3	R.S. Cooper
2	Writ202_1	Writing About Literature	3	K. King
2	Writ202_2	Writing About Literature	3	K. King

+This course is offered on multiple levels. All students must register on the 100 level.

*This course requires a lab fee.

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

Winter Term 2016-17 Undergraduate Courses

Anthropology

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 physical anthropology. 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: Biology 122 or instructor permission.

3 Credits.

Biology

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. Prerequisite: Chemistry 101L or High School Chemistry. This course requires a lab fee.

3 Credits.

Biology 123 Lab. Introduction to Biology: Molecular Biology Lab.

This course requires a lab fee.

1 Credit.

Biology 124. Introductory Biology for Nursing Students.

Introductory biology course for students accepted into the nursing program. The course provides an introduction to cell biology focusing on the structure and function of the plasma membrane and cellular organelles, the fundamentals of Mendelian and non-Mendelian inheritance, and the structure and function of the genetic material DNA, with an emphasis on the genetic code and how it is expressed into RNA and protein.

3 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. This course requires a lab fee.
3 Credits.

Biology 220 Lab. Human Anatomy and Physiology II Lab.

This course requires a lab fee.
1 Credit.

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 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.

Business

Business 256. Principles of Sales.

In this course, the student will learn about assessing customer needs, developing account relationships and implementing effective sales strategies. During the course students will return to the theme of approaching sales with honesty and integrity, both from a practical and moral perspective. This course will cover the broader role sales communication plays in bringing people and the products and services they need together, not just the narrow skills required to convince the customer to make a purchase. Prerequisite: Communication 105. Recommended: Business 254.
3 Credits.

Business 301. Business Ethics. (Moral, PP)

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 downsizing, whistle-blowing, competition vs. cooperation, and social responsibility. Communication 105 or any other public presentation course is recommended before taking this course.
3 Credits.

Business 381. Operations and Supply Chain Management.

In this course, the student will learn the foundational concepts behind converting raw materials, labor, and capital into the goods and services customers demand. Students will explore a variety of managerial techniques and computer technologies common to operations and supply chain management. Topics include inventory, quality and logistics control, transportation, facility layout, process planning, product and service design, forecasting and scheduling. These subjects will be approached from the operational and supervisory perspective.

3 Credits.

Business 495. Senior Capstone Project.

Capstone experience for the Interdisciplinary Major. Writing of the senior project based on the research and outline produced in Business 493. Prerequisites: Business 493 and Business 494.

2 Credits.

Chemistry

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. This course requires a lab fee.

3 Credits.

Chemistry 110 Lab. General Chemistry I Lab.

This course requires a lab fee.

1 Credit.

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. This course requires a lab fee.

3 Credits.

Chemistry 211 Lab. Organic Chemistry II Lab.

This course requires a lab fee.

1 Credit.

Communication

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.

Computer Science

Computer Science 180. Structured Programming. (QR)

Language elements and applications. Algorithm development. Introduction to object oriented programming. Prerequisite: Computer Science 105 or other programming experience with permission of instructor. 3 Credits.

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 495. Senior Essay.

Capstone experience for the Interdisciplinary Major. Writing of the senior essay based on the research and outline produced in Dance 493. Prerequisites: Dance 493 and Interdisciplinary Studies 494. 2 Credits.

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 Mathematics101). This course requires a lab fee. 3 Credits.

Earth Science 110 Lab. Introduction to Physical Geology and Meteorology Lab.

This course requires a lab fee. 1 Credit.

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.

Education

Education 201. Foundations of Education. (Worldviews)

Study of world views and associated theories that impact education. Examination of questions such as: What is the nature of reality? How do we know what we know? How do we determine what is worth knowing? What is of value? Focus on how a New Church philosophy of education affects teachers and students.
3 Credits.

Education 202. Moral Education. (Moral)

Students will learn methods for teaching respect and responsibility and their derivative values. Special attention will be given to the role of storytelling in moral education. Topics include sex education, bullying, and conflict resolution.
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. Includes 1 credit hour of ELL. Prerequisite: Education 128 or Education 217.
3 Credits.

Education 323. Math and the Young Child.

Exploration of the content and methods of teaching mathematics Pre-K to 4th grade. Emphasis on a problem-solving approach to the teaching of math within the context of a developmentally appropriate curriculum. Students learn how to engage children in the subject through imaginative, musical, rhythmic, athletic, and artistic activities. This course is about how to teach math so it makes sense.
3 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; facilitation of children's creative expression; appreciation of children's art processes and products. Particular attention to musical expression. Prerequisites: Education 128 or 271.
1.5 Credits.

Education 402. Student Teaching.

For students not pursuing Pennsylvania State Certification. Includes at least 12 weeks of combined observation and teaching in an elementary classroom setting, supervised by a teacher from Bryn Athyn College Early Childhood Education Department and by a classroom teacher in the cooperating school. Offered when required. Open only to seniors in the education major.
3-12 Credits.

Field Experience II: Exploration.

Students work under a classroom teacher's supervision tutoring children, facilitating small group conversations, supervising outdoor play, and monitoring classroom routines and procedures. FE II is taken in conjunction with all winter term courses 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; Third year students only.
3 Credits.

Special Education 212. Supporting Students with Disabilities.

This course examines the characteristics and needs that students, who are identified under the 13 federally defined categories of disabilities, as revealed in the classroom setting. Emphasis is on investigating the complexity of these needs, surveying research-based strategies and specially designed instruction that address these needs, as well as inclusionary practices that embrace these students into the life of the classroom. Prerequisite: Special Education 111.

3 Credits.

Special Education 312. Collaboration, Assessment, and Management.

Practical and hands-on look at the competencies and skills needed to accommodate and adapt instruction for all students, including those with disabilities and various learning needs, in an inclusive setting. Discuss the imperative need for teachers to collaborate and be able to effectively use various assessment and evaluative tools in the classroom, in order to meet the learning needs and goals. Learn to identify, administer, interpret and plan instruction based on the assessment of student learning, as well as consider problem solving, and classroom management as part of this process. Prerequisite: SpEd 211 or permission of Ed Department Chair.

3 Credits.

English

English 105. Madness in Literature (Introductory Literature Seminar).

Introductory study of how and why madness so often appears in literature: not only as physical and mental affliction, but as symbol, manipulator, spectacle, genius, moral decay, and so on. Authors include Euripides, Poe, Kafka, Plath, Christie, and Palahniuk, among others. Course can be repeated once for credit when topic changes.

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.

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.

Service Project 1xx.

Students who participate in a Bryn Athyn College approved service project may apply to receive an EE credit waiver.

1 Credit.

Fine Arts

Fine Arts 101/201. Aegean to Early Christian. (II)

Introductory survey of art and architecture 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 130. Ceramics.

Introduction to clay work including hand building, wheel throwing, slip casting, glazing, and firing processes. Also form function and representation. This course requires a lab fee.

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. This course requires a lab fee.

3 Credits.

Fine Arts 141. Building Arts Foundation.

Introduction to the Building Arts curriculum by focusing on fundamental design and drawing principles essential to all craft disciplines. Students learn to communicate ideas, design and execute projects through sketches, hand drawings and computer-generated drawings.

3 Credits.

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

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 230. Intermediate Ceramics.

Further development of individual skills and sensitivities in the medium of clay. Prerequisite: Fine Arts 130. This course requires a lab fee.

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. This course requires a lab fee.

3 Credits.

Fine Arts 495. Senior Essay.

Capstone experience for the Interdisciplinary Major. Writing of the senior essay based on the research and outline produced in Fine Arts 493. Prerequisites: Fine Arts 493 and Interdisciplinary Studies 494.

2 Credits.

German

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.

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.

History

History 114. The Classical World. (II)

Historical survey of ancient Greece and Rome from Mycenaean 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. Guided development of a research paper.

3 Credits.

Human Society

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.

Independent Studies

In addition to the listed courses, all areas offer independent studies numbered 299 or 399 with variable credit. The purpose of an independent study is to allow well-qualified students to study beyond the regularly offered courses. Students who undertake independent studies must be able to work independently between meetings with the instructor and have completed a minimum of 33 credits with a GPA of at least 2.70. Planning ahead is necessary: independent study proposals, syllabi, and required registration paperwork must be completed well before the term in which the study is to occur. Full details can be found in the undergraduate student handbook.

Latin

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.

Mathematics

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 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 151. Calculus II.

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

4 Credits.

Mathematics 495. Senior Essay.

Capstone experience for the Interdisciplinary Major. Writing of the senior essay based on the research and outline produced in Mathematics 493. Prerequisites: Mathematics 493 and Interdisciplinary Studies 494.

2 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 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.

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 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 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 495. Senior Essay.

Capstone experience for the Interdisciplinary Major. Writing of the senior essay based on the research and outline produced in Philosophy 493. Prerequisites: Philosophy 493 and Interdisciplinary Studies 494.

3 Credits.

Physical Education

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.

Physics

Physics 210. Principles of Physics I. (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. This course requires a lab fee.
3 Credits.

Physics 210 Lab. Principles of Physics I Lab.

This course requires a lab fee.
1 Credit.

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 regime types and the role and function of political institutions and organizations. 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.

Psychology

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 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 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 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.

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 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 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 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 273. Religion and Marriage. (W, Doctrinal)

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; the role of the Ten Commandments in marriage; states of discord and coldness; adultery and other sexual disorders. Text: *Conjugal Love*.

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 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 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.

Spanish

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.

Theater

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.

Writing

Writing 101. Expository Writing. (W)

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 may take Writing 101 sophomore year.

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.

3 Credits.

Spring Term 2016-17 Undergraduate Course List

As of 11/28/16. (Independent Study and Internship courses not listed).

BLOCK	NAME OF COURSE	TITLE	CREDITS	INSTRUCTOR
9	Anth110_0	An Introduction to Cultural Anthropology	3	A. Yardumian
12	Anth110_1	An Introduction to Cultural Anthropology	3	A. Yardumian
1	Bio232	Cell Structure and Function	3	Staff
3	Bio235*	Ecology	3	E.R. Potapov
22	Bio235L*	Ecology Lab	1	E.R. Potapov
5	Bio250*	Microbiology	3	E.J. Higgins
	Bio250L*	Microbiology Lab	1	E.J. Higgins
2	Bio355	Cancer Biology	3	Staff
9	Bio373*	Biological Laboratory Techniques: Molecular Biology	2	S.R. Evans
4	Bio380	Research Seminar	1	E.J. Higgins
5	Bio492	Biology Seminar III	1	E.R. Potapov
11	Bus142	Accounting II	3	C. Waltrich
6	Bus/CSc215	Management Information Systems	3	N. Simonetti
4	Bus/Wrt220	Business Communications	3	K. King
23	Bus257	Principles of Management	3	W.B. Jungé
5	Bus290	Internship Preparation Seminar	1	L.C. Nash
9	Bus302	Corporate Social Responsibility	3	W.B. Jungé
12	Bus320	Financial Management	3	C. Waltrich
8	Bus351	Introduction to Business Law	3	B. Buick
8	Bus/Mth380	Linear Models and Method for Optimization	3	N. Simonetti
Special	Bus390	Research Seminar	2	E.S. King
Special	Bus/ID496	Senior Seminar II	1	L.C. Nash
2	Chem111*	General Chemistry II	3	Staff
21	Chem111L_0*	General Chemistry II Lab	1	S.R. Evans
21	Chem111L_1*	General Chemistry II Lab	1	S.R. Evans
23	Chem111L_2*	General Chemistry II Lab	1	S.R. Evans
3	Comm105_0	Public Speaking	3	S.V. Bernhardt
4	Comm105_1	Public Speaking	3	S.V. Bernhardt
8	Dan131/231	Modern Contemporary Dance	1.5	J.R. Bostock
12	Dan160/260/360	Dance Ensemble	1.5	J.R. Bostock
4	Econ132_0	Microeconomics	3	E.S. King

5	Econ132_1	Microeconomics	3	E.S. King
4	Ed128	Introduction to the Theory and Practice of Education	3	A.N. Rose
1	Ed219	Literacy for Young Learners II	3	A.N. Rose
3	Eng255	Post-Apocalyptic Fiction	3	C.K. Hoffman
8	Eng365	Topics in Literature: Literature as Social Lens	3	K. King
9	FA122	Metal Forging	3	W. Holzman
9	FA128_0*	Stained Glass Painting	3	J.K. Leap
12	FA128_1*	Stained Glass Painting	3	J. K. Leap
9	FA228_0*	Intermediate Glass Painting	3	J.K. Leap
7	FE3	Field Experience III: Pre-Student Teaching	3	N.G. Phillips
3	Grk111	Beginning New Testament Greek II	3	W.E. Closterman
2	Hist213	Conversion and Christianity in the Medieval North	3	S.B. Lawing
1	Hist225	Religion and Society in Colonial America 1607-1763	3	B.D. Henderson
7	Hist371	Heritage Interpretation	3	B. Bostock
4	HSoc305	European Folk and Fairy Tales	3	S.B. Lawing
22	ID390	Research Seminar	2	S.C. Gardam
4	Lat251	Swedenborg's Theological Latin II	3	S.I. Frazier
8	Lead130	Introduction to Leadership	3	L.C. Nash
12	Math095	Preparation for Quantitative Reasoning	1	A.N. Rose
3	Math101	Introduction to Quantitative Reasoning	3	M.T. Genzlinger
1	Math130_0	Introduction to Statistics	4	C.B. Bongers
1	Math130_1	Introduction to Statistics	4	C.B. Bongers
3	Math140	Elements of Calculus	3	C.B. Bongers
Special	Mus100	College Chorale	1	G.T. Bier
3	Nutr110	Principles of Nutrition	3	S. Nelson
7	PE129	Badminton	1	H.D. Bryntesson
7	PE180	Foundations of Physical Education	1	S. Jones
2	Phil101	Critical Thinking	3	M.E. Latta
5	Phil102	Introduction to Philosophy	3	D.A. Synnstedt
5	Phil111	Introduction Moral Philosophy	3	M.E. Latta
8	Phil311	Topics in Contemporary Philosophy II	3	D.A. Synnstedt
6	Phil340	Bioethics	3	M.E. Latta
4	Phys211	Principles of Physics II	3	M. Blair
	Phys211L	Principles of Physics II Lab	1	M. Blair

9	PSci318	Politics and Religion in America	3	D.G. Rose
9	Psyc101	Introductory Psychology	3	Staff
8	Psyc201	Abnormal Psychology	3	E. Goldblatt-Hyatt
7	Psyc220	Cognitive Psychology	3	Staff
11	Psyc320	Introduction to Experiments in Psychology	1	F. Cavallo
8	Psyc382	Seminar in Death and Dying	3	S. Raphael
9	Rel110	Introduction to Systematic Theology	3	B.D. Buick
2	Rel115_0	Introduction to New Church Doctrine on Life After Death	3	G.R. Schnarr
4	Rel115_1	Introduction to New Church Doctrine on Life After Death	3	G.R. Schnarr
1	Rel115_2	Introduction to New Church Doctrine on Life After Death	3	S.I. Frazier
8	Rel210	Divine Providence and Human Prudence	3	T.P. Glenn
2	Rel222	The Gospels	3	S.I. Frazier
8	Rel273W	Religion and Marriage I	3	R.J. Silverman
23	Rel278	Exploring Romantic Relationships	3	R.J. Silverman
5	Rel285	The Modern Christian Church	3	A.M.T. Dibb
2	Rel295	Islam	3	D.G. Rose
9	Rel311	Continuation of Studies in Arcana Coelestia	3	T.P. Glenn
2	Rel335W	The Human Mind	3	J.F. Simons
1	Soc110	Introductory Sociology	3	K.K. Rogers
4	SpEd213	Family and Community Partnership	3	S.J. Wong
3	SpEd313	Collaboration and Best Practice	3	Staff
3	Writ101	Expository Writing	3	R.S. Cooper
4	Writ202_0	Writing About Literature	3	C. Hoffman
2	Writ202_1	Writing About Literature	3	D. Harrison
7	Writ211	Creative Writing	3	A. Nash

+This course is offered on multiple levels. All students must register on the 100 level.

*This course requires a lab fee.

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

Spring Term 2016-17 Undergraduate Courses

Anthropology

Anthropology 110. An Introduction to Cultural Anthropology.

Introduction to the theories and methods of cultural anthropology, and to the concept of culture. Though not a world cultures course, focuses on the basic institutions of culture such as ritual, technology, and progress as predicates for modern human society.

3 Credits.

Biology

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. This course requires a lab fee.

3 Credits.

Biology 235 Lab. Ecology Lab.

This course requires a lab fee.

1 Credit.

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. This course requires a lab fee.

3 Credits.

Biology 250 Lab. Microbiology Lab.

This course requires a lab fee.

1 Credit.

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 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. This course requires a lab fee.

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 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.

Business

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/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 work settings and scenarios. Students will plan, compose, and analyze letters, memoranda, and electronic messages. They will also prepare and deliver brief oral presentations, collaborate with others, and revise business communication. Prerequisite: Writing 101.

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 290. Internship Preparation Seminar.

This course will introduce the requirements for internships, including the learning plan, journal entries, final projects, and relation to academic study. Students will learn employment related skills including: networking, interviewing, resume creation, attendance requirements, professional appearance, professional conduct, confidentiality, and maintaining ongoing relationships.

1 Credit.

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.

3 Credits.

Business 320. Financial Management. (QR)

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. (QR)

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 240 and competence in programming.

3 Credits.

Business 390. Research Seminar. (IL)

For juniors in the Business Major. Focus on preparing to do the senior capstone project. Explore topics and research questions. Research scholarly sources related to a chosen topic. Formulate draft thesis statement based on interest and research.

2 Credits.

Business/ID 496. Senior Seminar II. (PP)

For seniors in the Business Major. Public presentation of senior project. Career planning and portfolio development. Pass/Fail. Prerequisite: C– or better in Business 495.

1 Credit.

Chemistry

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. This course requires a lab fee.

3 Credits.

Chemistry 111 Lab. General Chemistry II Lab.

This course requires a lab fee.

1 Credit.

Communication

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.

Computer Science

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.

Dance

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 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.

Economics

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.

Education

Education 128. Introduction to the Theory and Practice of Education. (PP)

Aspects of a career in teaching are explored. Topics include: teaching as a profession, educational philosophies, and best practices in classroom instruction. Students are required to observe in either a preschool, elementary, or secondary school New Church classroom and participate in at least three field trips to other schools. Opportunities to develop presentation and storytelling skills.

3 Credits.

Education 219. Literacy for Young Learners II.

This course prepares pre-service teachers for teaching language arts in early childhood (pre-K to 4th grade). How to assess the work of young writers and design instruction to advance their skills. Best practices for teaching handwriting, spelling, vocabulary, comprehension, and fluency. Prerequisite: Education 218.

3 Credits.

Field Experience III: Pre-student Teaching.

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 hours. Not open to non-majors; 3rd year students only.

3 Credits.

Special Education 213. Family and Community Partnerships.

This course examines the importance of collaboration when serving the needs of students with disabilities presented in the classroom. Emphasis is on clarifying the role of the teacher and the roles of multidisciplinary team members, and exploring various team-teaching models and techniques to work effectively with and support students and their families. Moreover, strategies for collaborating with community agencies, therapists and other stakeholders will be explored. Class activities are devoted to students developing skills for effective team-building, understanding leadership styles, improving communication, problem-solving, advocating and decision-making based on professional and ethical practices. Prerequisite: Special Ed 111.

3 Credits.

Special Education 313. Collaboration and Best Practice.

Builds on the foundation of creating a Universally Designed Learning environment, enriched with collaborative models and classroom management techniques to effectively instruct students with varying abilities and needs. Special attention to understanding to current best practices and research-based methodologies in providing a literacy-rich environment, making curricular adaptations, and using technology-based accommodations and modifications. Taken in conjunction with FE III. 3 Credits. Prerequisite: Special Education 211 or permission of Department Chair.
3 Credits.

English

English 255: Post-Apocalyptic Fiction. (W)

Detailed study of modern depictions in literature of the end-of-days and the trending post-apocalyptic genre. Students evaluate texts under the literary constructs of plot and subplot, device, character, setting and author intent; enhance their understanding of the works through lenses of current events and social, political, and historical context; examine and discuss other mediums of the theme (television and film), including relevant analysis of other works in the genre, such as its Young Adult counterparts (*Hunger Games*, *Maze Runner*, *Divergent*, *Pure Trilogy*, etc); and experiment with their own perceptions of the apocalypse via a creative project. Prerequisite: Writing 101.
3 Credits.

English 365: Topics in Literature: Literature as Social Lens.

Selected works of well-known writers from the 19th and 20th centuries (Dickens, James, Wharton, Twain, Thoreau). Analysis of the ways literature both reflects and critiques the social values and customs of its time. The concept of 'lens' implies that we are *limited* by particular perspectives but also that literature can focus and strengthen our vision. Emphasis on reading, discussion, research, and writing. Prerequisite: Any 200-level English course.
3 credits.

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.

Leadership 130. Introduction to Leadership. (EE)

This course engages students in the basic tools necessary to become a successful leader. Students design a leadership project and review leadership theories. Students analyze leadership characteristics and target an area for their own strengthening. Students set measurable goals that stretch their capabilities through leadership challenges and homework assignments.

3 Credits.

Service Project 1xx.

Students who participate in a Bryn Athyn College approved service project may apply to receive an EE credit waiver.

1 Credit.

Fine Arts

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 128. Stained Glass Painting.

Introduction to traditional and innovative techniques in glass painting. Inspired by the magnificent examples in Glencairn and Bryn Athyn Cathedral. This course requires a lab fee.

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. This course requires a lab fee.

3 Credits.

Greek

Greek 111. Beginning New Testament Greek II.

Continuation of Greek 110. Prerequisite: Greek 110.

3 Credits.

History

History 213. Conversion and Christianity in the Medieval North.

Examination of 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. Students analyze and interpret assigned primary sources.

3 Credits.

History 225. Religion and Society in Colonial America 1607-1763.

Thematic exploration of the British colonies in North America with an emphasis on the role of religion in the establishment, structure, and development of key colonial societies. Consideration will be given to how and why Virginia, Puritan New England, and Quaker Pennsylvania, for example, differed from one another and yet contributed to a unified American identity by the middle of the 18th 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

Human Society 305. European Folk and Fairy Tales.

Investigation of European folk and fairy tales and their relevance for understanding the societies that produced them. Provides a survey of major 19th century collections (e.g., Brothers Grimm) and introduces students to critical approaches to folk literature. Consideration of Hollywood adaptations and the continuing impact of folk and fairy tales on modern popular culture.

3 Credits.

Independent Studies

In addition to the listed courses, all areas offer independent studies numbered 299 or 399 with variable credit. The purpose of an independent study is to allow well-qualified students to study beyond the regularly offered courses. Students who undertake independent studies must be able to work independently between meetings with the instructor and have completed a minimum of 33 credits with a GPA of at least 2.70. Planning ahead is necessary: independent study proposals, syllabi, and required registration paperwork must be completed well before the term in which the study is to occur. Full details can be found in the undergraduate student handbook.

Interdisciplinary Studies

Interdisciplinary Studies 390. Research Seminar. (II)

For juniors in the Interdisciplinary Major. Focus on preparing to do the senior essay during senior year. Explore topics and research questions. Research scholarly sources related to a chosen topic. Formulate draft thesis statement based on interest and research.

2 Credits.

Latin

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.

Mathematics

Mathematics 095. Preparation for Quantitative Reasoning.

This course provides additional support for students enrolled in Math101. Topics include translating expressions, building equations, order of operations, and recognizing context. Credit from this course may not be used to satisfy degree requirements.

1 Credit.

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 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.

Business/Mathematics 380. Linear Models and Methods for Optimization. (QR)

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 240 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.

Nutrition

Nutrition 110. Principles of Nutrition.

Principles of Nutrition explores how nutrients in food relate to human health and disease prevention. Topics discussed include current US dietary guidelines and recommendations, digestion and metabolism of major nutrients, nutrition at various stages of the life cycle (maternal, infant, childhood, adolescent, adulthood, later maturity), the relationship of socioeconomic status, culture, and religious practices to food choices, physical activity and nutrition, and the relationship of diet to health and disease. This course is especially beneficial for those who will be entering health-care or food related professions.

3 Credits.

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 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 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

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 180. Foundations of Physical Education.

This course gives the prospective teacher of Health and Physical Education (HPE) insight into physical education and exercise science, including the historical, philosophical, and sociological principles with a survey of the latest research and literature in the field. Students will learn to recognize patterns of typical and atypical physical developmental milestones, motor behavior and progression, and how to plan effectively for possible accommodations and/or modifications. Lifetime health benefits related to fitness and exercise physiology are examined. The course is designed for students who are planning a career in education, health, or physical education. Non repeatable.

1 Credit.

Physics

Physics 211. Principles of Physics II.

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.

3 Credits.

Physics 211 Lab. Principles of Physic II Lab.

This course requires a lab fee.

1 Credit.

Political Science

Political Science 318. Politics and Religion in America.

This course examines the connection between religious beliefs and institutions and political beliefs and institutions. It begins by exploring the influence of religion and religious attitudes during the founding of the republic and then surveys the broad scope of religious influences in contemporary American political life.

3 Credits.

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 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.

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 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.

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.

Religion

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 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 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 273. Religion and Marriage. (W, Doctrinal)

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; the role of the Ten Commandments in marriage; states of discord and coldness; adultery and other sexual disorders. Text: *Conjugal Love*.

3 Credits.

Religion 278. Exploring Romantic Relationships. (Applied)

Contemporary marriage education and relationship enhancement programs are studied in the light of New Church teachings. Focuses on the work of John Van Epp (preparation for marriage), John Gottman (making marriage work) and Tony Robbins (six human needs), but also touches on other marriage education programs.

3 Credits.

Religion 285. The Modern Christian Church.

Challenged in and since the eighteenth century by philosophy, science, and changes in culture, the Christian Church had to respond to increasing pressure to adjust or become obsolete. This course traces the development of Liberal and Conservative schools of thought that led to different solutions to these challenges, explores the influence of Emanuel Swedenborg's theological writings on Christian thought, and focuses primarily on developments in Christianity in American life, culture, and politics.

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 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 335. The Human Mind. (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.

Sociology

Sociology 110. Introductory Sociology.

Introduction to the discipline of sociology and a sociological perspective for understanding human behaviors and the structure of human societies. Discussions apply a sociological perspective to topics such as social class, gender, race and ethnicity, culture, work, and social movements in order to understand how individual lives and social groups are shaped by social structures, cultural understandings and distributions of power. 3 Credits.

Writing

Writing 101. Expository Writing. (W)

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 may take Writing 101 sophomore year. 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. 3 Credits.

Writing 211. Creative Writing. (W)

Workshop approach to various forms of creative writing, with emphasis determined by year and instructor. 2016-17 offering will focus on the area of Young Adult Fiction. Students study examples of successful YA fiction in the current marketplace, including but not limited to *The Hunger Games*, *Eleanor and Park*, and *Code Name Verity*, in order to explore and recreate the defining qualities of the various sub-genres. Completion of three polished chapters and a full plot synopsis. Individual conferences in addition to in-class meetings. Prerequisite: Grade of B- or better in Writing 101, or permission of instructor. 3 Credits.

Fall Term 2016-17 Graduate Courses

Theological School

Counseling 845. Introduction to Pastoral Counseling II.

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.

Seminar.

K.H. Roth

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 and their classroom professor 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 their professor, who possesses advanced training and skills in this area. Service Learning is usually part of the curriculum for first and second year theological students, for a total of 6 terms.

Workshop

E.G. Hyatt

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.

G.H. Odhner

Homiletics 922. Children's Talks.

Philosophy, preparation and presentation of children's talks.

Workshop.

K. Hy. Asplundh

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.

A.M.T. Dibb

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 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.

P.A. Rogers

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.

S. D. Cole

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.

G.H. Odhner

Workshop 710: Pastoral Orientation.

Introductory study of the doctrine of the priesthood, with emphasis on the origins, the uses of, and the workings of ministry. Sections on love of salvation of souls, conscience and effect of evil on the priesthood

Workshop.

A.M.T. Dibb

Winter Term 2016-17 Graduate Courses

Theological School

Communication 716. Topics in Communication I. (5 classes)

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.

Seminar.

M.H. Williams

Conflict Resolution 860.

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.

Staff

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 and their classroom professor 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 their professor, who possesses advanced training and skills in this area. Service Learning is usually part of the curriculum for first and second year theological students, for a total of 6 terms.

Workshop.

E.G. Hyatt

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.

G.H. Odhner

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.

G.R. Schnarr

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

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.

B.W. Keith

Pastoral Theology 848. Priestly Duties.

Pastoral responsibilities. A broad review of the practical responsibilities of a General Church of the New Jerusalem pastor as contained in the Pastor's Handbook.

Workshop.

A. M.T. Dibb

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.

G.H. Odhner

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.

A.M.T. Dibb

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.

M.H. Williams

Workshop 724: Speech II. Concepts in Interpersonal Communication.

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

Workshop.

M.H. Williams

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

Advanced interpersonal communication theory, skills development, and practice.

Workshop.

M.H. Williams

Spring Term 2016-17 Graduate Courses

Theological School

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.

S.D. Cole

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 and their classroom professor 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 their professor, who possesses advanced training and skills in this area. Service Learning is usually part of the curriculum for first and second year theological students, for a total of 6 terms.

Workshop.

E.G. Hyatt

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

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

Workshop.

G.H. Odhner

Homiletics 933. Sermon Presentation and Memorial Addresses.

This term of homiletics focuses on writing for how sermons are heard and writing memorial services. Fully written out sermons and preaching from outlines are included with an emphasis on styles and techniques which facilitate or could hamper congregations hearing the message. The function of memorial services are considered in the grieving process and the pastor's role in the transition to the other world.

Workshop.

P.M.Buss, Jr.

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

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.

B.W. Keith

Pastoral Theology 851. Liturgics: Doctrinal Foundations.

Introductory course exploring the doctrinal underpinnings of ritual in the General Church of the New Jerusalem (GCNJ). We consider 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. We also consider more contemporary forms of worship in the GCNJ. Topics include “external and internal worship,” the role of ritual in worship, houses of worship and their symbolism.

Workshop.

A.M.T. Dibb

Pastoral Theology 853. Liturgics: Rites and Sacraments.

A review of the doctrines associated with liturgics with a focus on the doctrines surrounding the sacraments and rites of the New Church. We look at current practice in the General Church of the New Jerusalem: how the sacraments and rites are performed as described in the Liturgy and as adapted to various circumstances and needs. Design of orders of service and practice are a central part of this workshop.

Workshop.

A.M.T. Dibb

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.

S. D. Cole

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 inspirations 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.

G.H. Odhner

Theology 695. Dissertation Writing.

The goal of the dissertation, required of all degree students, is to demonstrate the student’s ability to present and explain doctrine. The dissertation begins with an approval of the topic selected by the student at the close of the second term of his penultimate year. This is followed by a one term workshop in the spring, offering instruction and guidance on the process of developing the topic. In the workshop students independently explore their topic, and convene to share and discuss findings with the instructor and class. The student is given a personal advisor for the dissertation, who works with him to its completion by February of his final year.

Workshop and Independent Study.

A.M.T. Dibb