

BRYN ATHYN COLLEGE OF THE NEW CHURCH
2007-2008

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APRIL 2007

BRYN ATHYN COLLEGE OF THE NEW CHURCH
 BOX 717, 2895 COLLEGE DRIVE
 BRYN ATHYN, PENNSYLVANIA 19009
 (267) 502-2543; FAX (267) 502-2658
<http://www.brynathyn.edu>

BRYN ATHYN COLLEGE OF THE NEW CHURCH MISSION STATEMENT

Bryn Athyn College of the New Church serves as an intellectual center for all who desire to pursue a higher education in the liberal arts and sciences, enriched and structured by the Old and New Testaments and the Writings of Emanuel Swedenborg. The purpose of this education is to enhance students' civil, moral, and spiritual life, as well as to contribute to human spiritual welfare.

(Adopted February 2002)

Accreditation

Bryn Athyn College of the New Church is accredited by the Commission on Higher Education of the Middle States Association of Colleges and Schools, 3624 Market Street, Philadelphia, PA 19104, 267-284-5000 (www.msche.org). The Commission on Higher Education is an institutional accrediting agency recognized by the U.S. Secretary of Education and the Commission on Recognition of Post-secondary Accreditation.

A LETTER FROM THE DEAN

“Come now, and let us reason together, says the Lord...” (Isaiah 1:18)

Probably all church-related colleges are dedicated to the pursuit of truth and the cultivation of moral virtues in their students. While Bryn Athyn College of the New Church shares these important goals, it offers students a distinctive education based on the tenets of the New Church.

The New Church is a Christian religion based on the Bible and the theology of Emanuel Swedenborg, a renowned 18th century scientist and philosopher. Swedenborg's writings comprise a theology that is respectful and inclusive of other religions, yet presents many unique insights and perspectives on the nature of God and how to lead a good life. These principles enrich the quality of our academic programs and create a collegiate atmosphere that maintains a spiritual focus while embracing variety and individuality.

Students attending Bryn Athyn College may pursue a bachelor of arts degree in Biology, Elementary Education, English, History, Religion, and Interdisciplinary Studies. The biology, history, and English majors offer certification in secondary education. A new program in business was added to the curriculum in 2005. The College also offers a two-year associate in arts degree for transfer to other institutions.

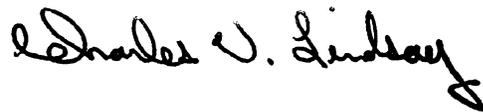
Close student-faculty relationships are the cornerstone of a Bryn Athyn College education and an important part of the College's tradition of personalized learning. About 75 percent of the faculty hold a Ph.D. or the highest degree available in their field. With a 7:1 student/faculty ratio and an average freshman class size of 11, the school provides unique opportunities for student involvement and first-hand experience that gives an edge in today's competitive times. Our internship program gives first-year and upperclass students the opportunity to explore career fields and develop important work-related skills.

Because the College recognizes the value of learning and growth outside the classroom, it offers a wide variety of extracurricular programs and activities. Seven intercollegiate sports, a community service group, and many other programs give students the opportunity to develop leadership and other life skills.

Surveys of recent graduates and transfers continue to show that Bryn Athyn College students excel at some of the most competitive universities and professional schools both in the United States and throughout the world. In addition, a growing number of four-year graduates are experiencing success in fields such as information technology, business, as well as education and the ministry.

Members of the campus community believe in working together to create a college that they and others value. I invite you to visit our campus website (www.brynathyn.edu) and discover what Bryn Athyn College can offer you.

Sincerely,



Charles W. Lindsay, Ph.D.
Dean of the College

ORGANIZATION

Bryn Athyn College is a part of the Academy of the New Church, which was incorporated under the laws of the Commonwealth of Pennsylvania on November 3, 1877. The Academy serves the purposes set forth in Article II of its charter: “propagating the Heavenly Doctrines of the New Jerusalem and establishing the New Church signified in the Apocalypse by the New Jerusalem, promoting education in all its various forms, educating young men for the Ministry, publishing books, pamphlets, and other printed matter, and establishing a Library.” On January 18, 1879, the charter was amended to authorize the Academy to confer degrees and grant diplomas as do other colleges and universities.

In addition to the College, the Academy comprises a theological school, a secondary school for girls, and a secondary school for boys.

Bryn Athyn College of the New Church Administration and Faculty Committees

Charles W. Lindsay, *Dean of the College*
Brian D. Henderson, *Associate Dean of Student Affairs*
Kristin King, *Associate Dean of Academic Affairs*

Faculty Committees: The following are standing committees appointed by the Dean of the College to carry out advisory and/or supervisory responsibilities related to indicated areas:

Academic Advising Committee: Provides counsel to the dean on issues of advising, academic deficiencies, and student guidance.

Academic Affairs Committee: Directs the divisions, provides counsel to the dean, assists with faculty hiring.

Admissions Committee: Evaluates applications for admission.

Curriculum Committee: Implements and assesses Core Program; oversees the curriculum.

Marketing Committee: Develops and implements strategies for promoting the College.

Outcomes Committee: Develops assessment tools and conducts institutional research.

Physical Education & Athletics Committee: Advises on athletic programs and activities.

Student Affairs Committee: Provides counsel to the dean on student life issues.

Teaching Committee: Provides leadership in methodology and teaching practices.

Publications

The Academy Journal, the institution’s official organ, issued yearly.

The Alumni Update, published quarterly by the Development Office.

THE CAMPUS

The Academy schools are located in the borough of Bryn Athyn, a New Church Community in Montgomery County, Pennsylvania, fifteen miles northeast of Philadelphia. Bryn Athyn College of the New Church is located at 2895 College Drive, Bryn Athyn. Mailing address P.O. Box 717, Bryn Athyn, PA 19009-0717. Phone 267-502-2543; Fax 267-502-2658. E-mail to college office Jacqueline.McFall@brynathyn.edu.

The educational facilities of the Academy include a campus of one hundred and thirty acres, thirteen buildings, three athletic fields and two sets of tennis courts.

Alice Grant Hall, a residence hall for women, accommodates 36 students, 8 in single occupancy rooms. Facilities include study and recreation lounges, a laundry room, a kitchen, and apartments for resident directors.

Asplundh Field House has facilities for physical training, physical education, dance, classroom instruction and locker rooms for men, women, and visiting teams. It serves also as a center for large meetings and dances.

Benade Hall, devoted mainly to the uses of the secondary schools, includes laboratories for the physical and biological sciences in the College.

Childs Hall, a residence hall for men, accommodates 43 students. Facilities include study and recreation lounges, a laundry room, a kitchen, and apartments for resident directors.

College Social Center provides a setting for informal social life for College students. Facilities include a kitchen and a large recreation room for events, meetings, classes, dinners, dances, movies. The Pavilion, adjacent to the Social Center, offers a skating rink during the winter season and an athletic arena in other seasons, and is open to all students and members of the Bryn Athyn community.

The Dining Hall is located on the campus of the secondary schools. On the lower floor is the Health Services office.

The *Fine Arts Center*, newly renovated, has facilities for art classes and performance rehearsal rooms.

Glencairn Museum, a unique structure based on medieval Romanesque architecture, is dedicated to the history of religion through art and artifacts. Religious life through the ages is presented by means of a remarkable collection illustrating religions as varied as ancient Egyptian, ancient Greek and Roman, medieval Christian, Islamic, Asian, and Native American. In addition to its holdings and cultural events, Glencairn holds several college history and religion courses.

John Pitcairn Archives holds important business and personal records of one of the founders of the Academy.

The *Mitchell Performing Arts Center* welcomes a variety of theatrical, musical, and other performances, from the Academy schools, the surrounding Bryn Athyn community, and the larger tri-state community.

Pendleton Hall contains administrative, departmental, and admissions offices, classrooms, chapel and lounges for the Theological School and College, and a theological library.

Pitcairn Hall, the administration building, contains the offices of the President and Vice-President of the Academy, the Business Manager, and the financial department.

The Campus

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The Swedenborg Library has 35,500 square feet of floor space in its three floors. It contains resources adapted specifically for the uses of the College and its divisions and for general scholarly use. It also houses special collections as part of the Academy's charter purpose: the Swedenborgiana Library, including first editions, photo-reproductions and translations of Swedenborg's works, a unique reconstruction of his library, and other rare books from the 17th and 18th centuries; an extensive collection of New Church collateral literature; and the Academy Archives, including unpublished materials pertinent to the history of the Academy, the General Church, and their forerunners.

ADMISSION TO BRYN ATHYN COLLEGE

Bryn Athyn College is committed to promoting academic and moral excellence. The College seeks applicants interested in pursuing a quality education in the liberal arts and sciences that is grounded in spiritual values and faith as defined by the aims and objectives of the institution (see Letter from the Dean p. 4). The Admissions Committee selects those students who, it believes, can achieve these goals. Guidelines are listed below. All admissions decisions are determined by the Admissions Committee.

The College will not discriminate against applicants on the basis of race, sex, color, national or ethnic origin, or physical ability. However, several campus buildings are not currently accessible to those with mobility impairments.

Documentation is required for students with diagnosed learning disabilities. The Admissions Office will determine whether an applicant requiring accommodation will be adequately served by the College's student support program.

	U.S. & Canadian Applicants		International Applicants
	Priority Deadline (\$30)	Absolute Deadline (\$60)	Deadline (\$30)
Fall entry	Feb. 1	Jul. 1	Feb. 1
Winter entry	Oct. 1	1 week prior to start of classes	N/A
Spring entry	Jan. 1	1 week prior to start of classes	N/A

To request an application for admission write to:

Office of Admissions
 Bryn Athyn College of the New Church
 Box 717
 Bryn Athyn, PA 19009-0717 USA
 Telephone: 267-502-2511

An online application is available at:
www.brynathyn.edu
 Requests can also be made by email:
admissions@brynathyn.edu

Application Requirements

Applicants currently residing in the United States:

High school diploma or General Educational Development (GED)
Transcript of courses and grades
SAT Reasoning Test (SAT) or American College Test (ACT) with Writing Test
If English is not the applicant's first language, the Test of English as a Foreign Language (TOEFL) may be required instead of the SAT or ACT
Teacher and guidance counselor recommendations
Employer recommendation (for applicants over the age of 19)
Interview may be required
Interest in the teachings of Emanuel Swedenborg

International Applicants:

High school diploma, certificate, or record of examinations
Transcript of courses, or subjects and grades
For Canadian applicants, SAT Reasoning Test may be required (depending on applicant's high school record)
TOEFL (if English is not the applicant's first language)
Teacher and guidance counselor recommendations
Employer recommendation (for applicants over the age of 19)
Interview may be required
Interest in the teachings of Emanuel Swedenborg
All international students should enter at the beginning of the academic year in the Fall Term. Exceptions may be made for applicants who are native English speakers or score above a 260 (computer based), 105 (internet based), or 620 (paper based) on the TOEFL.

Homeschooled Applicants:

Homeschool diploma or GED
Homeschool transcript with course descriptions (Grades 9-12)
Graded writing sample with instructor's comments
SAT Reasoning Test or ACT with Writing Test
Teacher and guidance counselor recommendations
Employer recommendation (for applicants over the age of 19)
Interview may be required
Interest in the teachings of Emanuel Swedenborg

Transfer applicants from other colleges or universities:

24 college credits are required to be considered a transfer applicant. Applicants with less than 24 credits should apply as first-year students and submit all transcripts of college coursework.

Transcripts from high school and all colleges attended
SAT or ACT (U.S. Students)
TOEFL (if English is not applicant's first language)

2.0 grade point average in college coursework
 College teacher and advisor recommendations
 Employer recommendation (if not in college 1 year or more)
 Interview may be required
 Interest in the teachings of Emanuel Swedenborg

Accepted transfer students submit college catalogs with course descriptions to assess transfer credits. Transfer credit is awarded for “C” or above coursework.

Admission Requirements: Minimum Academic Preparation Standards (MAPS)

To be admitted as a regular student, applicants must meet the MAPS listed below or, under special circumstances, be deemed qualified by the Admissions Committee. Students from the U.S. must take either the SAT or ACT with the Writing Test.

English	4 years (including Composition and Literature)
Mathematics	3 years (including Algebra I & II and Geometry)
History/Social Science	3 years
Natural Science	3 years
Foreign Language	2 years (in one language)
Grade point average	C+, 78%, or 2.20 on 4 point scale
SAT Reasoning Test	Score must reflect promise of success in college work
ACT with Writing Test	Score must reflect promise of success in college work
TOEFL score	190 (computer) 520 (paper) 70 (internet based)

Classification of Students

Regular: Students whose academic background indicates that they are prepared to meet standard requirements and thus qualifies them for regular status and who register for nine or more academic credits per term (excludes PE).

Provisional: Students whose academic background indicates that they may have difficulty meeting standard requirements. These students register for nine or more academic credits per term (excludes PE). We recommend that students admitted provisionally seek extra help to support their academic efforts. The Associate Dean of Academic Affairs will monitor the academic progress of provisional students. A provisional student who achieves a cumulative GPA of 2.0 and no grade of F for the previous term will be moved to regular status. A provisional student may attend for up to one academic year (three terms) as provisional. If she/he is not on regular status by the end of the first year, the student will not be re-admitted for the second year.

Visiting: Students whose academic background indicates that they may have considerable difficulty meeting standard requirements and thus do not qualify them for either regular or provisional status. These students register for (or audit) nine credits per term and meet the religion residency requirement. A visiting student may attend for up to one

Admissions

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academic year (three terms) provided he or she remains in good standing. Visiting students are strictly of non-degree seeking status.

Part-time: Students who register for fewer than nine academic credits per term (excludes PE). Students who wish to continue after they have earned more than 24 credits as part-time students must apply to the Admissions Committee for admission to the College.

Auditing: Students who register for courses without receiving credit. An instructor gives permission for auditing and determines what the student must do to remain in the class as an auditor.

AP & IB Credit

The College gives advanced standing and academic credit for some Advanced Placement (AP) and International Baccalaureate (IB) tests. Each case will be considered individually. For specific information about AP or IB, please contact the college office, the Associate Dean of Academic Affairs, or see the Academics section on the Bryn Athyn College web site www.brynathyn.edu.

ACADEMIC POLICIES

1. ACADEMIC ADVISING

At the time of admission, each full-time or degree-seeking student is assigned an advisor. The advisors help students plan their programs and register each term. Advisors are also available to help students with any academic problems that arise during the term and to refer students to a variety of support services.

It is the students' responsibility, however, to understand the requirements of the chosen degree program and to plan for the fulfillment of those requirements.

2. ATTENDANCE & RESIDENCY REQUIREMENTS

Attendance:

Attendance in courses. Instructors set their own policies for student attendance. All students are expected to attend the first class since over-enrolled courses will drop registered students in favor of waitlisted students who show up for the first class.

Residency Requirements:

Quantitative Reasoning (QR): All entering students take a QR proficiency test which determines placement in the QR program. Students must take Math 100 or place out of it prior to taking any QR-designated courses.

Religion. All students take six credits of religion courses in each of their first and second years. Third- or fourth-year students take three credits per year. Third- or fourth-year students may not take 100-level religion courses, except by the permission of the instructor and the head of the Religion and Sacred Languages Division.

Writing 101 & 202. All full-time students, and those part-time students looking to earn a degree, must take Writing 101 in their first year and Writing 202 in their second year. Students for whom English is a second language take Writing 101 and 202 in the second year.

Residency for degrees. A student must attend the College for at least three terms to receive the Associate in Arts degree. A minimum of two years (six terms) of residence at Bryn Athyn College is required for the baccalaureate degree. The last year of study for the baccalaureate, or the last 30 consecutive credits, must be in residence. Exceptions will be made in this last-year requirement for those students in College-approved courses or programs taken at other institutions. These terms taken at outside institutions are not counted as part of the six minimum terms.

3. CREDIT AND GRADING SYSTEM

Fulltime load. The average credit load for full-time students is twelve credits per term. At the discretion of the deans or advisors, a student may take fewer than twelve credits a term, but any program with fewer than nine *academic* credits per term (i.e., not counting P.E. and athletic credits) places a student on part-time status. Students who are taking an internship may arrange their programs to retain their full-time status by consulting with the Associate Dean of Academic Affairs. Full-time students should register for a total of about thirty-two credits each year.

Students may not take more than 15 academic credits per term without permission from the academic dean.

Hours per credit. Each credit represents approximately 10 70-minute periods of classroom work per term, although more class time is required in basic language and mathematics courses, and less is required in some courses that are based on individual directed study, creative effort, or regular consultation outside the classroom. Laboratory credit is measured as one-half of lecture credit.

Students should expect to spend as much as two hours of study outside of class for every hour in the classroom.

Adding/Dropping. Courses may be *added* during the first week of the term. Courses may be *dropped* (with no record on the transcript) through the fifth week of the term. After the fifth week, dropped courses will be recorded as WP or WF (see below) at the discretion of the instructor. Courses may not be dropped after the eighth week. A WF counts as a failure.

Grade points earned in a course are calculated by multiplying the number of credits by the grade point number corresponding to the grade earned. A student’s overall grade point average is calculated by dividing the total of earned grade points by the total term credits of courses taken.

Grade Point Equivalents.

<i>Letter</i>	<i>G.P.</i>	<i>Letter</i>	<i>G.P.</i>
A+, A	= 4.00	D+	= 1.30
A-	= 3.70	D	= 1.00
B+	= 3.30	D-	= 0.70
B	= 3.00	F	= 0.00
B-	= 2.70	WF	= 0.00 Withdraw Failing
C+	= 2.30	WP	= Withdraw Passing
C	= 2.00	I	= Incomplete
C-	= 1.70	IP	= In Progress
		P	= Pass

Failure in a required course means that the course must be repeated successfully before the student will receive a degree. A failure in a course needed to meet the distribution requirements for a degree may be made up by substituting another course in the same area for the one failed. A failed elective course does not require either make-up or substitution.

Students who fail a required course at BACNC and then pass an equivalent course *elsewhere* satisfy the requirement (credit transfers in) but do not replace the failing grade. To replace a BACNC grade a student must retake the course at BACNC.

Incomplete. When for reasons beyond their control, such as sickness, students do not complete a course as scheduled, their work may be marked Incomplete. This work must

be completed by the end of the fourth week following the term in which the “I” is given, otherwise the “I” will automatically be changed to “F.” All Incompletes must be approved by the Associate Dean of Academic Affairs.

In Progress is given for work that spans more than one term, such as a co-op or senior paper.

Pass/Fail option to the regular grading system is offered on a limited basis to encourage registration in a course which the student might otherwise avoid as too difficult. The option thus invites intellectual curiosity and mature response apart from grades. It is open at time of registration to regular students in good standing and is limited to one course in a term and two courses in the academic year. The pass/fail option applies only to courses taken as elective credit, not for any required courses for degrees or for residency. A *Pass* will count toward all requirements but will not be included in computing the Grade Point Average. A *Fail* will be computed as in the regular grading system. Students should be aware that P/F courses do not always transfer for credit.

Dean’s List will be posted following the close of each term showing the names of all regular college students who have earned an average of 3.50 or better for the term and who have taken at least 12 credits for that term. Students with any Incompletes will not be eligible for Dean’s List for that term.

Audit. Full-time students wishing to audit a course may do so with the instructor’s permission. Each instructor sets the course’s auditing policy regarding attendance, participation, and returns. Part-time students wishing to audit must pay the appropriate fees (see p. 22).

Repeating Courses. Students may repeat courses to replace a failing or a low grade. A record of every grade remains on the transcript, but credit is awarded only once, using the highest grade to calculate GPA. Courses identified as ‘may be repeated for credit’ are treated as regular courses, unless a student *chooses* to receive credit only once, in which case the highest grade is taken.

Honors. Candidates for the A.A. degree or the B.A. or B.S. degrees who have a cumulative grade point average of 3.50 or better and who are approved by the faculty will be given A.A. degrees “With Distinction” or B.A./B.S. degrees “Cum Laude.” The granting of “With Distinction” or “Cum Laude” recognizes both a high level of academic achievement and an affirmation by the faculty of the student’s merit.

4. **EXAM POLICY**

Students sit for final exams at the time and place scheduled. Instructors may not reschedule exams. Only the deans make exceptions, and generally only for unforeseen personal crises.

5. FIELDTRIPS

“Fieldtrips” refer to planned trips that fall outside the regularly-scheduled class time and affect the student’s course grade.

Fieldtrips can enrich and enhance courses, but they need to follow orderly steps and not make unreasonable demands on students’ time or students’ attendance in other courses.

- 1) Instructors notify the division head of all fieldtrips at the start of the term.
- 2) No overnight trips.
- 3) The fieldtrip is identified on the course syllabus, clarifying how much weight it carries. If possible, catalog descriptions should mention the fieldtrips.
- 4) No ‘required’ fieldtrips, in that a student who has an unworkable conflict should be able to opt for the alternative assignment. The alternative assignment should be clearly described in writing well in advance of the fieldtrip date.
- 5) The hours spent on a fieldtrip should be acknowledged through some release from lecture/lab time, including homework time. For example, 4-6 hours of fieldtrip time might be swapped for 70 minutes of lecture (plus the 140 minutes of homework attached to the lecture). This is approximate. The point is to respect students’ workload by removing something in order to offset the fieldtrip.

6. REGISTRATION

Full-time students are required to register with their academic advisors during registration periods as shown in the calendar for the school year. Students pay a \$100 late fee if they do not register on time.

7. STUDENT RECORDS

FERPA. Under the provisions of the Family Educational Rights and Privacy Act (FERPA), also known as the Buckley Amendment, students have the right to inspect their educational records and to challenge the accuracy of the contents of such records. Requests for review of specific records must be made in writing.

Disclosures of information are restricted to those who are authorized and who have a legitimate need for the data. Parents may inspect their son’s or daughter’s academic record with student’s signed permission.

8. TRANSCRIPTS

Official transcripts may be obtained by mailing written requests to Transcript Requests, Bryn Athyn College, Box 717, Bryn Athyn, PA 19009-0717, or calling the college office 267-502-2453. The cost, payable by cash, check (*made out to ‘Bryn Athyn College’*), or charge, is \$5.00 for the first transcript and \$3.00 for additional transcripts. Same-day rush requests are \$10.00 and \$5.00 respectively.

9. ACADEMIC DEFICIENCY

The College uses three categories of academic deficiency: Warning, Probation, and Suspension:

Warning: A student's grade point average for any term falls below 2.00, or the student receives a grade of "F" in any course.

Probation: A student's grade point average for any term falls below 1.50.

Suspension: A student's average for the best two out of the last three terms falls below 2.00. Example: last three terms: 1.50, 2.00, 1.30. Average = $1.50 + 2.00/2 = 1.75$. The student would be suspended. Duration of suspension to be determined by the Dean's Advisory Committee (see below). Students who evidence a total disengagement from the academic life of the College may be suspended apart from the formula outlined above.

Process. All decisions concerning academic standing are made by the *Dean's Advisory Committee*, which consists of the dean of the college, and the associate deans. In certain instances the Dean's Advisory Committee will place the student on a contract to help ensure sufficient support. Students who are on warning or probation are not considered to be in good academic standing. Not being in good academic standing hampers progress in degree programs and decreases eligibility for financial aid. Warning, probation, or suspension are noted on the student's transcript.

Plagiarism policy. Sound education depends on academic integrity. Students and faculty alike must acknowledge and formally credit the work of others. Plagiarism is the presentation of another's work (words, ideas, research, etc.) as one's own. Incidents of plagiarism earn a failure for the individual assignment, often for the entire course. All faculty are required to report every incident of plagiarism or cheating to the associate dean of academic affairs. Repeated incidents lead to expulsion (see Student Handbook). Students are responsible for knowing what constitutes plagiarism and for seeking clarification if they are unclear about how to incorporate, acknowledge, and cite material.

STUDENT LIFE

In addition to the Catalog, each student is given the Student Handbook containing further descriptions of academic life, regulations, and policies. Students are responsible for the observance of all regulations, and also of all notices on the College Bulletin Board, and for e-mails sent by faculty or staff directly to them.

Worship is an integral part of campus life. The **College Chapel Program** provides a variety of opportunities for worship, prayer, reflection and instruction. Wednesday services involve the entire College community, bringing students, faculty and staff to worship together. All students are required to attend. A brief devotional chapel service based on readings from the sacred scriptures is offered on Monday and Friday mornings.

Student Government assists with the administration of Student Life at the College. Student Government consists of twelve students who are responsible for representing student interests to the wider campus community and for planning college-sponsored social events. Elections are held each spring for returning students and each fall for new students.

Student Government is led by a student chairperson who is charged with determining the group's agenda. The Associate Dean of Student Affairs also serves as advisor to Student Government. Representatives of Student Government are invited to attend and/or serve on the following committees and councils:

Board Education Committee	(1)
Faculty Meetings	(2)
Judicial Hearing Committee	(3)
Marketing Committee	(2)
Student Affairs	(1)

College athletic activities for men are provided in soccer, ice hockey, badminton, indoor soccer, and lacrosse, and for women in volleyball, badminton, indoor soccer, and lacrosse, with intercollegiate and club schedules (see p. 90 ff.).

The close association between the College and the church society of Bryn Athyn is reflected in the general participation of students in the activities of the community. Students attend the regular services of worship and doctrinal classes, sharing in the duties of the choir, ushers, and chancel guild. They also take part in activities of the Bryn Athyn community, such as Bryn Athyn Orchestra, B-Act (theater), and the Bryn Athyn Fire and Ambulance Company.

The College also seeks the enrichment of the cultural and recreational opportunities of greater Philadelphia, New York, and Washington D.C., including museums, theaters, orchestras, and a variety of other events.

Residence Hall Regulations

- a. Non-commuting students under the age of 20 are required (for three terms) to live in residences provided on campus.
- b. All students living on campus are responsible to the resident directors.
- c. Residence halls are closed when school is not in session; however, students with special needs who request housing by means of a written request to the housing coordinator at least two weeks before a break will be considered for housing on a case-by-case basis. Such students pay a weekly charge during the breaks as well as participate in a weekly cleaning program within the residence hall. The Dining Hall is closed during vacations, leaving students responsible for their own food needs.
- d. Residence telephone numbers are as follows: Housing Coordinator 267-502-4890, Childs Hall 267-502-2653, Childs Hall Director 267-502-2684, Grant Hall 267-502-2650, Grant Hall Director 267-502-2515, Social Center Apartment 215-947-2330, Stable Apartment 215-947-2310, Synnestvedt House 215-938-6318; college office 267-502-2543, FAX: 267-502-2658.

Other Regulations

Students whose academic performance results in Academic Warning or Probation, and students with unfulfilled obligations outside of class --e.g. chapel attendance --may be required to adhere to a special contract as a condition of continued enrollment.

Student Conduct

The College's regulations regarding student conduct provide a framework to maintain order and freedom and to uphold the spirit of the institution. Affirmation of this spirit gives life and meaning to policies and regulations and makes the College's work a cooperative undertaking.

Specific regulations and disciplinary policies are stated in the Student Handbook, to be administered within the following general framework:

The College reserves the right to remove at any time students whose conduct it regards as detrimental to the uses of the institution. Neither the College, the Academy, nor any of its officers or directors shall be under any liability for such removal.

Disciplinary action for a breach of principles or regulations is carried out by an appropriate administrator after due hearing and consultation. Minor infractions in the College are handled by the resident directors or by the Associate Dean of Student Affairs. Major offenses, such as those involving violation of moral principles, repeated infractions reflecting defiance of constituted authority, or acts bringing the College's name into disrepute, may be referred to the *Judicial Hearing Committee* which may recommend probation or suspension for a stated period depending on the nature of the offense (see Student Handbook). Suspension will result in the loss of academic credit for the uncompleted term.

Existing regulations may be modified and new ones added upon notice to the students.

Counseling and Health Service

Personal Counseling. Members of the College faculty, particularly the priests, are available to give personal counseling to students. Professional off-campus confidential counselors are also available for students experiencing personal problems (see back cover for names and phone numbers).

Career Counseling. In addition to providing each student with an academic advisor (see Academic Advising p. 12), the College has considerable resource material to aid students who wish to investigate various career choices. Career counseling assists students in clarifying their interests and abilities in order to make more effective career choices. Individualized counseling, interest and personality inventories, as well as professional contacts are provided. Contact Dr. Sonia Werner for information.

Student Support Services is a program provided by the College and is available to any student in need of tutoring, literacy skills, general academic support, as well as personal support in adjustment to the demands of college life.

Health Counseling. The College maintains a clinic with a physician and a registered school nurse to handle resident student health problems during scheduled hours. In addition, a nurse is on call during weekends. The nurse maintains the health records in the clinic. Students are free to consult other physicians but must do so at their own expense.

Students seeking psychiatric advice or treatment may discuss this with the school nurse, a school-sponsored counselor, or the Associate Dean of Student Affairs. Alternatively they may independently contact the consultant psychiatrist or the Mental Health Clinic at nearby Abington Hospital. The clinic provides a wide range of psychological and psychiatric services. The telephone number is 215-885-4000. All personal consultations are the financial responsibility of the student or parents.

Health Insurance

Prior to attending classes, all full-time students are required to submit completed medical forms which give complete health insurance information. Students who do not submit such forms may not attend classes and will pay a fine for late submission of this information.

Although routine care is provided for resident students, there are times when tests or emergency treatment is necessary that is outside the scope of the health service. Because of this possibility and the high cost of medical care, **all** students should have medical insurance coverage while at Bryn Athyn College. Any medical expenses incurred while a student is on campus are a student's responsibility.

All international students are required to purchase private health insurance to cover the period of their residence in the United States. Also, those students from the United States who are not covered by their parents' medical insurance are encouraged to take out individual policies covering their school year. Please note that all students are required to carry their own insurance policy during the term in which they participate in sports.

The College carries a secondary student accident policy that covers all school-sponsored activities, including sports. In the event of accidental injury this policy provides coverage for expenses not covered by a medical insurance for sickness or disease not related to accident and therefore *does not alleviate the need for individual medical insurance*. Students

are responsible to notify the coach, school nurse, or other school official promptly to facilitate timely filing of claims.

Students who wish information about insurance coverage and available plans should write to the School Nurse, Allyn Simons, Box 707, Bryn Athyn, PA, 19009-0707.

FEES AND ASSISTANCE

Education and Housing Fees

Bryn Athyn College of the New Church provides a full educational program to all qualified students who meet admission requirements, including academic acceptance and payment of fees.

The actual cost for educating a student per year is approximately \$32,900 for a day student, and \$39,100 for a resident student. Because of the school's substantial endowment and contribution income, the fees per student are considerably lower than the cost. Fees are maintained at the current level to assure fiscal soundness in accordance with the College's annual budget.

For those who cannot afford the required fees, federal and state aid, scholarship grants, and loans are available based on need.

Student Fees

The costs for tuition, comprehensive fees, and room and board are outlined below:

1. ***Tuition Fees:***

The tuition fee per year of three terms in the College is \$8,264.

2. ***Comprehensive Fees:***

The comprehensive fee is intended to help meet the cost of classroom supplies and teaching tools, laboratory fees, social activities, athletic supplies, etc. The comprehensive fee per year of three terms in the College is \$1,850.

3. ***Board and Room Fees:***

Regular board and room charges for all resident students are \$5,574 per year of three terms.

4. ***Summary of Fees:***

The following tabulation summarizes the foregoing as to total fees per year:

	Yearly	Per Term
Comprehensive	\$1,850	\$617
Tuition	8,264	2,755
 Total per Day Student	 \$10,114	 \$3,372
Board and Room	<u>5,574</u>	<u>1,858</u>
 Total per Dormitory Student	 \$15,688	 \$5,230

Less New Church Grant ¹	\$1,000	\$334
<u>OR</u> Transition Grant ²	<u>1,000</u>	<u>334</u>
	\$14,688	\$4,896

5. These fees are subject to revision.

Special Fees

1. ***Part-Time College Students.***

The tuition fee per term for a part-time student is \$319 per credit. In addition, all part-time students will pay a comprehensive fee of \$70 per credit hour. Students aged 55 years and older may apply to the college office for reduction in fees.

2. ***Auditors.***

The tuition fee per term for an auditor is \$160 per credit, plus any cost of materials supplied to the student or auditor. In general, studio and laboratory courses are not open to auditors.

3. ***Graduation Fee.***

The graduation fee for those receiving baccalaureate or associate degrees is \$50 and is due by May 1st. The fee covers cost of diplomas, cap and gown rental, and the graduation dinner. Graduates receive a refund of \$20 after they have returned the cap and gown.

4. ***Housing Deposit.***

Students who are moving into the dormitory or other on-campus housing are required to pay a one-time housing deposit of \$150 prior to arrival. When the student moves out of the dorm and does not plan to return, the deposit is refunded, less any fees or fines that may still be owed to the dormitory or the College at the time of the student's departure.

5. ***Miscellaneous Expenses.***

The above fees do not include the costs of text books, educational trips, stationery, clothing, student association dues, recreation, or housing on campus during vacations. The total of these costs per student varies widely, but a yearly minimum is roughly estimated at \$1,600. In addition, the costs of travel, if any, and of such medical or nursing services as may prove necessary are to be paid by the student or the parents.

¹ New Church students are those who are baptized into, or whose parents are members of, one of the three branches of the Swedenborgian Church.

² The Transition Grant is for non New Church students who have been enrolled in the Academy Schools since the 2003-04 year. They will qualify for this grant as long as they are attending here. New non New Church students will not qualify for this grant.

Payment of Fees

Students are required to make arrangements to pay fees for the academic year by August 15, 2007. Initial billing for the payment due during the academic year will be mailed by July 15th. Failure to make the required payment will delay admission to classes.

An extended payment plan is available from Tuition Management Systems, Inc. whereby the parents or student may spread payment of the full year student fees over 3 terms or 10 months starting August 15th. The extended plan is available for payment of tuition and room and board. There is a nominal application fee of \$55 per student for the ten-month extended payment plan or \$40 for the three-term extended payment plan. Where the parents or student have a difficult time paying on an extended payment basis, Tuition Management Systems, Inc. has several loan programs with favorable terms for payment over longer time periods. Information on loan availability can be obtained by calling TMS, Inc. at 1-800-722-4867.

Refunds**1. *Withdrawal***

If a student withdraws for any reason, the payment of those fees which have become due is not subject to cancellation or reduction. However, upon written application, and entirely at the option of Bryn Athyn College, the following refunds may be allowed:

- Withdrawal within 2 weeks—50% of tuition costs for the term.
- Withdrawal within the 3rd week—25% of tuition costs for the term.
- No refund of tuition costs after the 3rd week.
- Comprehensive fee prorated to the end of the term during which the student withdraws.
- All Academy-awarded assistance will be prorated based upon actual fees charged. Federal financial assistance will be adjusted based on the conditions and timing of the student's withdrawal, according to the regulations of the U.S. Department of Education.
- Board and room fees prorated to the actual date of withdrawal, plus an overhead charge made by the food service organization.

Payment of refunds will be made only after the end of the term during which a student withdraws from school.

2. *Moving to Part-time*

If a student changes from full-time to part-time status during the eligible refund period (the first three weeks of the term), the bill will be prorated such that the student is charged the full-time rate up to the date of the change, and the part-time rate from the date of the change through to the end of the term. Changes in status after the end of the eligible refund period (three weeks) will not result in an adjustment to the bill.

The Self-Supporting College Student

The financial aid offered by Bryn Athyn College is from private sources, and therefore we reserve the right to use our own definition of a self-supporting student. When a student is eligible for federal financial aid, we will adhere to the standard used by the U.S. Department of Education for determining independent status. In all other cases, the following points (among others) will be considered in our decision:

1. Will the student be 24 years of age by December 31, 2007?
2. Is the student a veteran of the U.S. Armed services?
3. Is the student an orphan or ward of the court?
4. If the student is single and requests to be considered self-supporting, then the following must be substantiated:
 - a. The student shall have earned income in excess of \$5,000 in 2005 and 2006.
 - b. The student shall not have been claimed as a tax exemption by his/her parents during 2006, and shall not be so claimed in their 2007 tax return.
 - c. Student shall have evidence of monthly rental payments for 2005 and 2006.

Resident Student Work Requirements and Student Employment

All resident students are required to contribute one hour per week of cleaning and maintenance to their residence space. In addition, a limited number of paid jobs are available on the campus, about which students will be sent information in the summer. When students arrive on campus they must interview at job locations with appropriate supervisors in order to secure jobs. Although students are not guaranteed a job on campus, we make every effort to make job opportunities available.

Scholarship Grants

Academy Scholarship Grants are available for those students who need financial assistance. Admission to the College does not guarantee receipt of financial aid. The limited funding is derived from contributions from the Theta Alpha, Sons of the Academy, and from the following endowment funds:

The Academy Scholarship Fund	S.S. and H.K. Lindsay Fund
Phoebe Bostock Fund	Vera Pitcairn Fund
C.E. Doering Fund	Charles S. Smith Fund
Wilhelmina Doering Fund	Fred Synnestvedt Fund
Captain Dandridge Ebert Fund	Richard A. Walter Fund

Student Loans

The College has a limited loan program available in cases where student employment and scholarship grants are not sufficient to meet the financial needs. These loans from the

Asplundh Loan Fund are non-interest bearing while the student is still in college or professional school. All other sources of available assistance should be exhausted before the student applies for an Asplundh Loan.

Other private loan programs are available to students or their parents. Information regarding these programs can be obtained from the Business Office.

Application for Institutional Financial Aid

Application for assistance in meeting fees payments should be made to:

W. Les Alden, Director of Financial Aid
Box 711
Bryn Athyn, PA 19009-0711 USA

Institutional grants are available when students are not eligible for federal financial aid, or when federal financial aid does not fully meet the student’s financial need as determined by our internal formula. (See below, Requirements for Federal Student Aid.)

Complete financial aid information and links to application forms are available at Bryn Athyn College’s website, or the Financial Aid Office or college office will mail out the *Application for Institutional Financial Aid* on request. The material furnished in this application provides a basis for allotting financial aid by the Financial Aid Committee. The information provided by parents and students is held in strict confidence by those directly responsible for these funds.

The application should be completed and returned to the Financial Aid Office. Financial assistance is available to qualified students and is awarded in the order in which requests are received. Because of limited financial aid funds, admission to the College does not guarantee financial aid. Applications for financial aid should be received by:

March	1st		(priority deadline)
June	1st	to enter	Fall Term
October	15th	to enter	Winter Term
February	1st	to enter	Spring Term

Applications for financial aid received after June 1 will receive aid at a reduced amount and only if funds are available.

Applications received more than two weeks after the start of a term will be considered only for the following term.

Questions about financial assistance or completing the application should be addressed to the Director of Financial Aid, W. Les Alden, at the Financial Aid Office (see postal address above). Phone number: Overseas code 001 267-502-2608. Fax number: 267-502-4866. E-mail:

financialaid@brynathyn.edu

Financial Aid Policy

The Financial Aid Committee uses a methodology adapted from the United States Department of Education to process all applications. This method to compute financial need has proven to be the most equitable.

This methodology is based on a four-point philosophy of financial aid:

1. Parents have the primary responsibility to pay for their children's education, and will, as they are able, contribute funds for such education.
2. Students, as well as their parents, have a responsibility to help pay for their education.
3. The family should be accepted in its present financial condition.
4. A need analysis system must evaluate families in a consistent and equitable manner, while recognizing that special circumstances can and do alter a family's ability to contribute.

Criteria for Awarding Financial Assistance

1. Financial assistance is awarded on the basis of a family's demonstrated financial need as computed from the information supplied in the *Application for Institutional Financial Aid*, and the family's Federal Income Tax return.
2. The method for evaluating financial aid takes into account factors such as: the number, ages, and schools of children, additional dependents, long-distance travel to attend, number and ages of cars, insurance and other assets; as well as the extent of contribution to family income by a second working parent, or the aid recipient, where the family situation permits.
3. Financial aid is awarded on an annual basis; thus an application for aid must be made as soon as possible and no later than June 1 for the Fall term.
4. In the matter of divorce or separation of parents, the Financial Aid Committee will (in most instances) consider the total income and assets of the custodial parent and step parent, if applicable.
5. Financial aid applications can be considered by the Committee only after the student has been offered admission to the College by the Admissions Committee.
6. Financial aid depends upon the student's remaining in good standing as determined by the Academic Advising Committee.
7. Visiting students are not eligible for financial aid.

Requirements for Federal Student Aid

Bryn Athyn College participates in Title IV federal financial aid programs. To complete an application for federal student aid (FAFSA³), go to www.fafsa.ed.gov. Students should use the school identification code 003228 to designate Bryn Athyn College as the school they wish to attend. Students who complete a FAFSA may become eligible for several types of grants and loans. See www.studentaid.ed.gov for details.

Bryn Athyn College encourages students to file a FAFSA as early as allowed (Jan. 1, 2007). Pennsylvania residents must file prior to the May 1, 2007 deadline in order to also be considered for a state grant. Students are required to meet the following standards in addition to any federal requirements for receiving aid:

³Free Application for Federal Student Aid

Eligibility: Students must be admitted to full time degree-seeking status.

Continuing Eligibility: To continue receiving FSA (Federal Student Aid), the student must make satisfactory academic progress (SAP). This includes both qualitative and quantitative measures. Bryn Athyn College defines SAP as completing a minimum of 27 credits per year (or 9 credits per term for those completing fewer than 3 terms) and achieving a GPA of at least 2.0. Satisfactory academic progress will be checked on an annual basis.

The Associate Dean of Academic Affairs monitors the progress of all students. Students who have not met SAP will be notified by mid June. If a student becomes ineligible for FSA, he/she may become eligible again by continuing in Bryn Athyn College and meeting cumulative SAP standards.

Appeals: A student who becomes ineligible for FSA because of not meeting SAP may appeal to the dean of the college within one month of being notified. The dean will meet with a committee consisting of the three deans. The student may appear at that meeting if she/he wishes. The deans will review all factors and decide on the final eligibility of the student.

Return of Federal Student Aid when Students Withdraw

Please contact W. Les Alden in the Financial Aid Office for a copy of the policy.

W. Les Alden, Director of Financial Aid
Box 711
Bryn Athyn, PA 19009-0711 USA
PHONE 267-502-2608

Financial Policy for Education Majors and Students Seeking Secondary Certification

What Bryn Athyn College pays for:

Bryn Athyn College pays for any courses students need to take at Holy Family University to qualify for state certification in their chosen education major. As of the 2006-07 academic year all coursework for a K-6 education degree is offered at Bryn Athyn College. Degrees in early childhood, special education, and secondary certification in English, biology and history require students to take 2-3 courses at Holy Family, depending on the major. Students should contact the education division head for additional information.

What students pay for:

When all coursework is completed, students seeking state certification are eligible to do their senior teaching through Holy Family University by taking EDSUN 402/404 (15 credits). A consortium agreement allows Bryn Athyn College students to attend Holy Family on a full-time basis. Students must complete a consortium agreement form, available from

Fees and Assistance

Bryn Athyn College's financial aid office, in order to participate. This form must be completed and returned to the financial aid office at least two weeks before the Holy Family tuition fees are due for the term. Bryn Athyn College will submit payment to Holy Family on the student's behalf, and the student will then be billed for the Holy Family fees via their Bryn Athyn College student fee account. Any financial aid for which the student is eligible may be applied to these fees. Students pursuing a senior teaching experience retain their status as full-time students at Bryn Athyn College, even though they are attending Holy Family University.

DEGREE PROGRAMS

CORE PROGRAM

(Goals & Requirements)

The *Core Program* refers to the foundational skills, knowledge, and perspectives every student engages in gaining a Bryn Athyn College education. Every major builds upon the Core Program, and every course in the curriculum addresses Core goals directly and indirectly.

Our Core Program serves students in three ways: it helps them develop spiritual purpose; it teaches them to think broadly and critically from a variety of perspectives; and it empowers them with specific skills so that they may act effectively in society and the workplaces of the 21st century. These practical skills include writing, information literacy, public presentation, quantitative reasoning, second languages, and service learning.

Ethics and *technology* are also crucial components of our Core Program. They are addressed in specific ways by each major, looking to appropriate applications for particular disciplines (see each major for further description of ethics and technology components).

Core Goals

Bryn Athyn College prepares willing students to become reflective individuals and useful citizens, conscious of spiritual reality and responsive to local, national, and international contexts. The Core Program encourages faculty to place each subject of study within a New Church spiritual context. The program develops across four years and involves every course addressing one or more of the following six goals in direct or indirect ways:

- 1) Strengthen analytical, communication, quantitative, and information skills
- 2) Develop liberal arts skills in a focused field of study
- 3) Develop critical thinking skills across disciplines
- 4) Explore the diversity and commonality of human experience and values in order to enrich understanding of what is human.
- 5) Nurture an inquiring spirit in the classroom and well beyond in relation to God, society, nature, and self
- 6) Foster personal ethics and encourage responsibility for the wellbeing of others.

Taken together, these goals underscore our commitment to all three dimensions of the Core Program: a New Church world view, liberal arts perspectives, and skills associated with the ways educated people participate in society.

Core Requirements

(Skills & Disciplinary Perspectives)

Skills

Students complete 34 credits in the skills requirement. Courses with embedded skill components (writing, information literacy, quantitative reasoning, public presentation) require that students pass both the course and the component to fulfill the skills requirement.

Information Literacy (ability to locate, evaluate, and use information effectively)

Two 3-credit, IL-certified courses, in different disciplines, one at 200+ level.
Pass IL evaluations at the 1st, 2nd (or 3rd), and 4th years.

Language, Mathematics, or Programming

Modern or sacred language (through first term of 200-level); or Calculus I (Math 150); or any 200-level mathematics or computer science course of at least three credits. Non-native English speakers who pass Writing 101 and 202 are exempt from this requirement.

Public Presentation (3 credits excluding capstone)

Speech 105 or 3 credits of course work with a certified public presentation component. This requirement provides the underpinning for the presentation component in Capstone 404.

Quantitative Reasoning (application of mathematical concepts and skills to solve problems)

Math 100 (an introductory QR course)
3 credits of course work with a certified QR component, or testing out of Math 100 and taking 6 credits of course work with a certified QR component.

Service Learning and Internships (1 credit)

Students participate in any of the designated service learning experiences (see description of service learning program, p. 54), or they research and propose an alternative experience to the head of service learning.

Writing (15 credits)

Spans four years

- Wr 101
- Wr 202
- 300-level religion WI (Writing about theology; embedded in upper-level religion courses.)
- Capstone 404 (capstone writing project combined with public/oral presentation: 400-level religion course, the ID paper, or a senior writing project in any major)
- Additional 3-credit Writing Intensive (WI) course in any discipline

Disciplinary Perspectives

Students must complete minimum credit requirements in each area (listed below), for 37 credits total. Although some courses might fulfill more than one area, credit applies to only one area.

Focused Credit in Spiritual, Moral, and Civil Areas (18 credits)

Spiritual		
	Four religion courses, including 300-level religion WI	12 credits
Moral		
	Philosophy 111, Psych/Bus 202, Social Science 201 or 202	3 credits
Civil		
	Political Science 101 or 210	3 credits

Additional Distribution Areas (19 credits)

Aesthetic (Human creativity in the arts)		
	Art history, studio art, music, theater, or literature	3 credits
History & Social Science (Human society)		
	History	3 credits
	Social Sciences (political science, psychology, sociology, anthropology, geography, and economics)	3 credits
Physical (Physical fitness, skill, kinesthetic awareness, sportsmanship, and health)		3 credits
Scientific (Nature and scientific investigation)		
	Biology, chemistry, earth science, or physics	4 credits
Worldviews (Perspectives on human experience and values)		
	Philosophy 110 – Survey of philosophical world views.	3 credits
Total credit requirement in disciplinary perspectives		37 credits
Skill requirements not overlapping with disciplinary perspectives requirement¹		10 credits
Total Core Credit Requirements		47 credits

¹Skills requirements sum to 31 credits. With the skills components present in many courses and disciplines, students can fulfill skills requirements while fulfilling disciplinary perspectives requirements. All but ten credits (Wr 101, 202, language, and the internship or service learning project) can be fulfilled in this way.

Associate in Arts Degree

The Associate in Arts (A.A.) is a two-year liberal arts degree, requiring 62 credits and significant portions of the Core Program. The AA degree is not prerequisite for BA or BS degrees at Bryn Athyn College. For students planning to complete degrees elsewhere, the AA degree can be a good tool for course selection.

A student must attend the College for at least three terms and have a cumulative GPA of 2.00 or better to receive the Associate in Arts degree.

Core Requirements:

[1] Religion (including service and religion internships) (six credits must be in religious doctrine)	9 credits
[2] Moral or Civil course	3 credits
[3] Worldview	3 credits
[4] Writing 101 and 202	6 credits
[5] Fine Arts, Music, Theater or Literature	3 credits
[6] Science (not computer science)	4 credits
[7] History or Social Science (may not overlap Moral/Civil)	3 credits
[8] Physical Education	3 credits
<hr style="width: 100%; border: 0.5px solid black;"/>	
Total	34 credits

Additional Core Skill Requirements: one course in PP, IL, and QR.

Emphasis-specific requirements:

<p>Artistic Emphasis Fine Arts, Music, or Theater* 6 cr. (at least three credits at 200-level) Art history 3 cr. *Aesthetic requirement replaces [5]</p>	<p>Biological Sciences Emphasis Biology* (incl. 120 and 121) 11 cr. (at least three credits at 200-levelbiology) Physical Science or Math 3 cr. *Science requirements replace [6]</p>
<p>Education Emphasis Education 9 cr.</p>	<p>English Emphasis Additional Literature or Writing* 6 cr. *beyond requirements [4] and [5]</p>
<p>History Emphasis History* 9 cr. (at least three credits at 200-level) *History requirement replaces [7]</p>	<p>Language Emphasis 200-level in one language 6 cr.</p>
<p>Mathematical Sciences Emphasis Calculus (Math150 and 151) 8 cr. 200-level Math or Comp Sci. 3 cr.</p>	<p>Philosophy Emphasis Moral Course* 3 cr. Civil Course* 3 cr. 200-level Philosophy⁺ 3 cr. Additional Religion 3 cr. *Philosophical requirements replace [2] ⁺May overlap Moral or Civil requirement.</p>
<p>Physical Education Emphasis Physical Education* 6 cr. (Includes PE101, PE120, and three credits at the 200-level.) Biology⁺ (Bio120 and Bio121) 8 cr. Psychology or Education** 3 cr. *Physical education requirement replaces [8] ⁺Biology requirement replaces [6] **May overlap [7]</p>	<p>Physical Sciences Emphasis Calculus (Math150) 4 cr. Physical Science* 8 cr. Additional Sci. or Comp Sci.* 3 cr. (at least three science credits at 200-level) *Science requirements replace [6]</p>
<p>Psychology Emphasis Psychology* 9 cr. *Psychology requirement replaces [7]</p>	<p>Religion Emphasis Religious Doctrine* 6 cr. Scripture* 3 cr. World Religions* 3 cr. Additional Religion* 3 cr. (at least six religion credits at 200-level) Moral Course⁺ 3 cr. Civil Course⁺ 3 cr. *Religion requirements replace [1] ⁺Philosophical requirements replace [2] and may overlap [7]</p>
<p>Social Science Emphasis Social Sciences* 9 cr. (at least three credits at 200-level) *Social Science requirement replaces [7]</p>	

Bachelor of Arts and Bachelor of Science

The College requires 124 credits¹ for graduation, in addition to satisfying the Core Program (see pp. 29-31). On the satisfactory completion of these credits, and with the recommendation of the faculty, the degrees of Bachelor of Arts or Bachelor of Science will be granted. Majors are offered in Biology (B.A. or B.S.); English, History, Interdisciplinary Studies, and Religion (B.A.); and in Education (B.S.). Students interested in the B.A. or B.S. degrees should interview the appropriate program advisor as early as possible. B.A./B.S. students must spend at least two years (60 credits) in residence (see p.12 Residency).

When students have completed six terms at the College, it is expected that they will be ready to enter a B.A. or B.S. program. If students wish to continue in the College without declaring a major and are in good academic standing, they may continue for a maximum of one term in **General Upper Division Study (GUDS)**. During this term, students should apply for admission to a B.A. or B.S. program or make other plans. Those students not enrolled in a baccalaureate program will have low priority in the awarding of financial aid.

¹Students entering programs adhere to degree requirements for the year of entrance. The graduation requirement for students entering programs prior to 2007-08 is 136 credits, not 124 credits. See appropriate catalog for given year.

BIOLOGY MAJOR

The Biology Major is a four-year program leading to a baccalaureate degree. Students may choose from three degree programs: a Bachelor of Science (B.S.), a Bachelor of Arts (B.A.), and a B.S. with secondary education certification degree. The B.S. degree program is recommended for those who plan to continue their education in graduate school or medical school. The B.A. degree is a general liberal arts program that prepares graduates for a variety of career fields. The B.S. with secondary education degree is a degree offered in partnership with Holy Family University and prepares students for Pennsylvania State certification to teach biology and science courses to grades 7-12.

Applicants for the B.S. and B.A. programs should have compiled a minimum overall GPA of 2.0 and a minimum of 2.5 in science courses. As part of the four-year degree requirements, students complete a three-credit senior project (Biology 495) under the supervision of a faculty member at Bryn Athyn College or another institution. Proposals for this project must be submitted by the students in the spring of their junior year. Internships at other institutions must be applied for, and arranged, by the student.

Applications (available in the college office) should be addressed to the Biology Program Director, Dr. Sherri Cooper, by May 1 of sophomore year.

Course Requirements: Bachelor of Science Degree

- A.A.in Math/Science or equivalent.
- Two upper level religion courses (College religion residency requirement).
- Introductory Biology (Bio 120-121), Genetics (Bio 230), Cell Structure and Function (Bio 232), and Ecology (Bio 235).
- General Chemistry (Chem 110-111) and Organic Chemistry (Chem 210-211).
- Statistics (Math 130) and Calculus (Math 150-151).
- Physics 210-211.
- Biological Laboratory Techniques (Bio 373 and 375, for a total of 4 credits).
- Seminar (490, 491, 492) required in senior year. Total of 3 credits only count toward the degree.
- Six additional 200/300 level biology courses.
- Senior project (Bio 495).

Course Requirements: Bachelor of Arts Degree

The requirements for the B.A. degree are the same as those for the B.S. degree except for the following:

- Second term of Organic Chemistry (Chem 211) is not required.
- Math 140 may be taken in the place of Math 150-151.
- Physics is not required.
- One term (2 credits) of biological laboratory techniques (Bio 373 or 375) is required.
- Five additional biology courses can include Earth Science 110, Biology 110 and 115.
- Two additional science or mathematics courses (Math 151 or higher, Computer Science 180 or higher, Physics 210-211, Chem 211, or any 200 level or higher biology).

***Course Requirements: Bachelor of Science Degree with
Pennsylvania Secondary Education Certification***

The requirements for the B.S. degree with secondary education (grades 7-12) teaching certification are the same as for the straight B.S. degree except for the following:

- Additional biology course requirements include human physiology (Bio 220), vertebrate anatomy (Bio 210), and molecular genetics (Bio 310).
- Only one additional 200-300 level biology course beyond requirements.
- Math 151 is not required, but may be taken in place of statistics (Math 130).
- Senior project is replaced by a semester at Holy Family University for supervised field experience and secondary education seminar (EDUS 402 and EDUS 404).
- Speech 105, English Lit 200 level, and Psychology 101 are required.
- Education courses at Bryn Athyn College and at Holy Family University are required, including Foundations of Education (Ed 301/501), Structure and Growth of the Mind (Ed/Rel 304), Education as a Development Process (Ed 340), Introduction to Special Education (Ed 311), General Methods and Management (Ed 401), seminars in field experience and differentiated learning (Ed 225 and 325), reading in the content area (Ed 245), General Secondary Education Methods and Techniques (EDUS 331) and Secondary Education/Curriculum Content Area (EDUS 332).

All course work for the B.S. with secondary education certification is covered under Bryn Athyn College tuition except for the one semester at Holy Family University for supervised field experience and secondary education seminar (EDUS 402 and EDUS 404). Enrollment and tuition at Holy Family University are required for one semester. Financial aid can be applied for.

EDUCATION MAJOR

The elementary education program involves cooperation between Bryn Athyn College and Holy Family University. It enables students to fulfill the full academic requirements for the Bachelor of Science degree under the aegis of New Church educational philosophy, and, if they choose, apply for Pennsylvania certification in K-6 elementary education or dual certification in K-6 elementary and special education or early childhood education. Upon completion of the full required program as outlined below, which includes courses at Holy Family University, students receive their degrees from Bryn Athyn College and apply for certification* through Holy Family University. Application for certification is not a degree requirement, nor is it automatic. Secondary certification in history, English, and biology can be earned through the respective majors.

A required component of the elementary education program is New Church certification. This can be taken in conjunction with Pennsylvania certification requirements, or as an alternative certification program. The education division strongly recommends and supports the PA certification for all students, while recognizing the need to provide an alternative for those unable to pursue PA state certification.¹

The program emphasizes New Church and secular educational principles as well as knowledge of subject matter and skill in teaching. It seeks to foster the personal qualities expected of good teachers: a commitment to the Heavenly Doctrine, an intelligent love of children, an ability to work well with adults, an ability to accept and grow from constructive support, and a capacity to develop professional attitudes and behavior.

Because the course requirements are quite specific and may include courses to be taken at Holy Family University, close consultation with the program advisor is essential. Students considering a major in elementary education must plan their program of study carefully from the beginning of their college careers. When taking courses that require field experience (designated by FE) schedules must be arranged to provide for observational student teaching during elementary school hours.

Occasionally a student may find it necessary to carry more than the normal load of four courses per term or to take one or more summer courses to complete the program in four years. In some cases, additional terms beyond four years may be necessary.

Admission Requirements and Procedures

Upon entry applicants should possess a GPA of 2.8 and SAT/ACT scores indicating aptitude for success in both mathematical and verbal areas. Certification (New Church and Pennsylvania State) requires students to have a 3.0 GPA upon graduation. They should demonstrate the personal qualities expected of good teachers as outlined above.

An applicant should first arrange an introductory interview with the Education Division Head to discuss general aspects of the program. Applicants who are not students in the

¹All students are required to participate fully in the complete program, but it should be noted that international students do not qualify for certification, as Pennsylvania school law requires United States citizenship. If students become United States citizens within ten years from graduation, their degree and their National Teachers' Exams test scores will still be valid. They may then apply for certification.

College should apply for admission to the Director of Admissions before making formal application to the major.

Applicants should then submit to the Education Division Head a current copy of the student's transcript, scores for the required national tests (PRAXIS), and a letter of application clearly stating reasons for seeking admission to this major at Bryn Athyn College. Applications will be reviewed by the Education Division Faculty.

A non-certifying B.S. degree in education is available to students who do not qualify for state certification. The number of total credits remains the same. All programs will be approved by the division head and the associate dean of academic affairs. For more information, please consult the division head.

Course Requirements

Of the total credits required for the degree, 61.5 are to be earned in education and the remainder in required and elective courses in the liberal arts as indicated below. Courses to be taken at Holy Family University are designated "HFC - EDUN."

A. General Education

A minimum of 75.5 credits is required from among religion, humanities, social sciences, mathematics, natural sciences, and physical education. Specific requirements include:

		Credits
Religion ¹	residency requirements	
Philosophy	110	3
English	101, 202, Speech 105, & a 200-level literature course (245 recommended)	12
History	225 or 230	3
Geography	110	3
Computer Sci.	105	3
Mathematics ²		6
Psychology	101	3
Biology	(Environmental Biology recommended)	4
Physical Science	Chemistry, Earth Science, or Physics	4
Physical Education	PE 101 Health (recommended)	1.5
Electives ³		<u>12</u>
Total (plus religion residency credits)		54.5

¹Religion 363 & 364 recommended. Ed 304 counts as a religion.

²Students need six credits in math courses approved for state certification to be completed before junior year.

³Electives are to be chosen from courses in 3 of the following 4 areas:

- (1) Humanities & Sacred Languages (Phil 111 recommended)
- (2) History & Social Sciences (Economics 131 or 132 is recommended)
- (3) Science & Mathematics
- (4) Fine Arts

Degree Programs

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(Accounting, Business Law, Management, & Marketing do not satisfy requirements. No more than 6 credits from any one of the above areas may be counted toward the total of 12 elective credits for the B.S. in Education.)

Mathematics	(3)	Science &
	(4)	Fine Arts

B. Foundational Education Courses (21 credits)

		Credits
Education 128	Introduction	3
Education 235	Developmental Reading	3
Education 240	Methods for Diverse Learners	2
Education 301	Foundations of Education	3
Education 304	Human Development (Also counts as Religion course)	3
Education 340	Educational Psychology	3
Education 401	General Methods & Management	<u>3</u>
Total		20

C. Elementary Education Course Requirements for K-6 Education Degree (41.5 credits)

Education 225	Field Experience for First or Second-Year Students	2
Education 251	Integrating Art into the Curriculum	3
Education 252	Teaching Music	3
Education 253	Teaching Health and Physical Education	3
Education 310	Teaching Mathematics	3
Education 311	Educating Diverse Learners	2
Education 321	Teaching Language Arts	3
Education 325	Field Experience: Multi-graded Classroom	1
Education 354	Teaching Social Studies	3
Education 355	Teaching Science	3
Education 424	Teaching the Letter of the Word	1.5
*HFC - EDUN 402	Student Teaching	12
*HFC - EDUN 404	Senior Seminar	<u>3</u>
Total		42.5

* Students should see Holy Family University's catalog for a description of these courses and the requirements for admission. Students' financial responsibilities to HFU are described on p. 27. The equivalent of Edun 402 and Edun 404 will be offered by Bryn Athyn College Education Division if a student chooses not to become PA state certified. See Education Division course offerings for descriptions.

Field Experience Requirements

Most education courses at Bryn Athyn College require observation and/or practice teaching, some of which will be in a public school setting. All of these experiences should be documented by students and will become part of a portfolio requirement for the Senior Seminar course.

National Teachers' Examinations

Education majors seeking PA state certification will be required to take the National Teachers' Examinations (PRAXIS) at their own expense. We require students to take the first three exams (General Knowledge Tests in Reading, Writing, and Mathematics) before the end of their second year. These scores are required for students to be formally accepted into the program. Education majors who wish certification will be required at the end of their program to take two additional national exams (PRAXIS # 30511 and 10011) and to have two formal observations done during the senior teaching experience by a faculty member from the Bryn Athyn College education division as part of the requirement for New Church certification. It is recommended that the written exam be completed before senior teaching. (Note: PA state certification requirements are subject to change. The above requirements reflect those for the 2007-2008 academic year.)

Education in the Interdisciplinary Major

An Interdisciplinary Major combining education and another area can lay the foundation for entrance into another field or for further study preparatory to teaching. However, since it is not a pre-professional program including practice teaching, it will not prepare the student to begin teaching upon graduation.

ENGLISH LANGUAGE AND LITERATURE MAJOR

The English Language and Literature program leading to the baccalaureate degree gives the student a firm background and skills in reading, writing, and criticism—tools that are vital for effective work in many segments of society. The program also provides a solid foundation for graduate study in a number of disciplines. The major immerses the student in the cultural wealth of literature written in English and in the translated literature of other parts of the world.

The major offers three tracks or emphases: language and literature, Pennsylvania certification for teaching 7-12 English, and writing. These tracks are outlined below.

Applicants should have compiled a minimum GPA of 2.5 overall, and 2.7 in English courses. Certification requires a GPA of 3.0. 124 credits are required for graduation.

Applications for admission should be addressed to the English program advisor, Dr. K. King.

Course Requirements

Language and Literature Track

<i>English:</i>	one of:	Speech 105
	one of:	211, 213
	two of:	218, 219
	two of:	220, 221
	five of:	300-Level in English or Humanities
	one of:	235
	two of:	English or Humanities electives (200 level)

Supporting Requirements:

Concentration area: Four courses to be chosen from one area other than the major (two courses at the 200-level or higher; two courses at the 300-level or higher). The chosen area must be approved by the program advisor. 12 credits total.

Religion (Upper level) 12 credits

Total specified	= 66 credits
Core plus electives	= 58 credits
Graduation total	= 124 credits

Writing Track

Speech 105
 English 220 & 221
 English 218 & 219
 English 211 & 213 & one additional writing course

English 235 & 320
 Two additional 300-level English or Humanities courses
 English 490/491 Senior writing project¹

Supporting Requirements: same as literature track

Total specified	= 66 credits
Core plus electives	= 58 credits
Graduation total	= 124 credits

B.A. English with Pennsylvania Certification in English (grades 7-12)

Creative Writing: English 211
 Advanced Exposition: English 213
 American Literature: English 218 & 219
 British Literature: English 220 and 221
 World Literature: Two of Hum 215/216/217
 Shakespeare: English 235
 Three English or Humanities Courses (300-level+)
 English Language: English 320
 Upper-Level Religion (12 credits)
 Electives (26 credits): including philosophy; social science; fine arts or music;
 physical education; and 6 credits of foreign language

Additional required courses:

Writing 101 & 202, Speech 105, Math 130 & a 2nd Math, Communication 220

Education Courses at Bryn Athyn College:

Ed 225, 245, 301/501, 304, 311, 325, 340, 401

Education courses at Holy Family University:

EDUN 331, 332, 402 (12 cr), 404

For certification, students must pass national teaching exams (PRAXIS) and earn a 3.0.

¹The Senior Writing Project involves a major effort in some area of writing to be produced under the supervision of an advisor. The project could include a collection of short fiction or essays, critical analysis, a collection of poems, a segment of a novel or play, or some other project that reflects the student's best focused efforts in writing. The project involves the student over a two-term period of the senior year.

HISTORY MAJOR

(B.A. AND B.A. WITH SECONDARY EDUCATION CERTIFICATION)

The course offerings for the history major have been selected in accordance with the philosophy that a broad study of the narrative and social history of the human race, together with an understanding of its intellectual and spiritual history, will prepare students in a unique way, not only to teach or pursue research in a variety of historical subject areas, but also to gain an understanding of the general trends, both natural and spiritual, present throughout the history of the human race.

Because our culture today is a product of the experiences and attitudes of past cultures, the student will, through this process of discovery, gain a better understanding of what we are as a society today, and what we may become.

The major offers two programs: a B.A. in History and a B.A. in History with secondary education certification. Both of these programs are outlined below. A minimum of 124 credits is required for graduation.

Admission Requirements and Procedures

Applicants should have compiled a minimum overall GPA of 2.0 and a minimum of 2.5 in history courses. Certification requires a GPA of 3.0. Applications for admission should be addressed to the History program advisor, Dr. Wendy E. Closterman.

Common Requirements for B.A. and B.A./Certification Programs

100-Level Requirements: History 114, 115, 117

Distribution Fields

Minimum of one course in each distribution field. Students choose one area of concentration in which to take a minimum of three courses. Required concentration in American History for certification program.

At least three courses overall must be taken at the 300-level

Ancient History: History 207, 208, 240, 310

Eighteenth Century Europe and Its Origins: History 215, 216, 250/350, 290, 315

American History: History 225, 230, 232, 330, (330 and Holy Family University History 315: History of Pennsylvania req. for certification)

Non-Western History: History 209, 235, 245, 295, 346

Seminars and Applied Learning

History 211, 301, 402

Additional Requirements for B.A. in History

History Internships (History 298, 398, 498) or Senior Research Paper (History 490, 491) (6 credit min.)

Supporting Fields (minimum 9 credits at the 200 level or above from the following fields; student and advisor together select courses to support the area of concentration)

Art History; Literature; Philosophy; Political Science; Sociology

Religion

Religion 210

Church History course related to chosen area of concentration: Ancient History: Religion 283; Eighteenth Century Europe and its Origins: Religion 284 or 320; American History: Religion 380; Non-Western History: Religion 296

Additional Requirements for B.A. in History with Secondary Education Certification

General Requirements

Anthropology 110, Economics 131 or 132; Education 128, Geography 110, Literature elective, Mathematics 130, Mathematics elective, Political Science 210, Psychology 101, Speech 105

Education

Education 225, 245, 301, 304, 311, 325, 240, 401

Education Courses at Holy Family University¹

HFU Education 331: General Secondary Education Methods and Technology

HFU Education 332: Secondary Education/Curriculum Content Area

HFU Education 402: Supervised Field Experience

HFU Education 404: Secondary Education Seminar

¹See p. 27 for details about paying for Holy Family University classes.

INTERDISCIPLINARY MAJOR

The interdisciplinary major program offers the opportunity to fulfill requirements leading to a Bachelor of Arts by combining studies in two disciplines. It may combine areas of concentration from all divisions whose curricula satisfy the course requirements indicated below.

The interdisciplinary major presents a unique opportunity for the student to develop in a structured way the interrelationship of different fields of knowledge.

Subject to the existing curricular offerings, interdisciplinary majors may pursue combinations from the following disciplines: biological sciences, classical languages, computer science, education, English, history, mathematics, philosophy, physical sciences, psychology and social sciences.

Certain other academic disciplines may also be part of the major provided that the program requirements are partially met by transfer courses. (Note that the financial costs of transfer courses are born by the student.) It is expected, however, that students will take elective and required courses at Bryn Athyn College whenever possible. Programs involving religion may have other restrictions. Within the general guidelines and requirements stated below, individually designed programs are guided by the director of the interdisciplinary major, Dr. Allen Bedford.

Of the credits required for the B.A. degree, a minimum of 36 must be taken in the two disciplines involved, as follows:

In each discipline (or area of concentration) 15 credits must be earned in courses beyond the 100 level; and of these, 6 credits must be earned in courses at the 300 or 400 level (for a total of 30 credits above 100 level including 12 credits at 300 level and above).

A Senior Research Essay must be completed during the senior year under guidance of a faculty member approved by division heads for the work, the successful completion of which earns 6 credits. Students must register for the equivalent of these 6 credits prior to graduation. (A grace period of one term is allowed before additional tuition charges accrue.) The Senior Research Essay should be designed to bring together the two areas of concentration comprising the major, within the sphere of the philosophy of New Church doctrine.

When religion is chosen as one of the two disciplines, the program must meet the requirements of the Religion Minor (see p. 50).

Requirements

<i>Major Area I</i>	credits
3 courses at 200 level	9
2 courses at 300 level or above	6
 <i>Major Area II</i>	
3 courses at 200 level	9
2 courses at 300 level or above	6
 <i>Senior Research Essay</i>	 6
 <i>Residence Requirement in Religion - 2 courses</i>	 6
 Total: 12 courses and Essay	 42

Beyond the above specified requirements, further requirements in the Senior College to fulfill the degree total of 124 may be earned only in courses designated as 200, 300, or 400. Exceptions may be made in certain circumstances. In addition, during the Fall term of their final year, students will also be involved in a seminar (Research 490) that offers a forum for discussion of matters relevant to their essays and to the broader implications of distinctive New Church scholarship.

For entrance into the Interdisciplinary Major, the College requires an overall 2.0 GPA minimum, with a 2.50 minimum in the two divisions encompassing the intended areas of specialization. Because the final requirement of the I.D. Major (either a long research paper, or a project with an accompanying written portion) depends heavily on a student's writing ability, all students interested in pursuing the I.D. Major must meet with Dr. Kristin King, the head of the writing program. By looking at the student's past performance in writing and English courses, and by assessing samples of the student's writing and research for other college courses, Dr. King will help the student determine whether the student feels able to meet the basic standards of the senior research paper, or what kind of support might be needed for successful completion of the paper.

Students who have applied for entrance to the major but lack the necessary GPA of 2.5 in each of the major areas will *not* be admitted to the major on any sort of provisional basis (see p. 34).

Degree Programs

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The graduation requirement for an ID major is a GPA of 2.00 overall, and an average QPA of 2.00 in courses in the two areas of concentration.

Inquiries regarding an Interdisciplinary Major should be made to the director of the program well in advance of registration for the academic term in which the intended I.D. course of study is expected to begin. A typical program requires two years of study beyond sophomore year, and therefore application should be made during the sophomore year.

Business Interdisciplinary Program

The Business Interdisciplinary Program falls under the umbrella of the interdisciplinary major and allows students to combine a directed study of business with another field of their choice within a liberal arts framework.

A total of 124 credits is required for the B.A. degree. The senior research essay or project serves as a capstone.

Students will work with the business program advisor to design their program. The advisor will also assist students in selecting courses at another institution and help them set up internships.

Program Layout

Prerequisites

- Economics 131 Macroeconomics
- Economics 132 Microeconomics
- Mathematics 130 Introduction to Statistics
- Mathematics 140 Elements of Calculus, or higher
- Psychology 101 Introductory Psychology

Business courses at Bryn Athyn College

- Business 241 Accounting I
- Business 242 Accounting II
- Business 251 Introduction to Business Law
- Business 254 Principles of Marketing
- Business 257 Principles of Management
- Business 301 Business Ethics
- Business 298 Business Internship
- Business/Psychology 202 Psychology Applied in the Workplace

Second Field for Interdisciplinary Major

- 3 courses at the 200 level; 2 courses at the 300 level

Business and other courses at another institution

A maximum of 30 pre-approved credits at an accredited institution in business and possibly in the second field of study. At least one business course must be taken at the 300 level (in order to complete a total of at least two business courses at the 300 level). Options include an exchange program, on-line courses, or attendance at an institution of the students' own choosing.

Senior Capstone Experience

Research 490

Two terms of a Senior Research Essay or Senior Research Project as prescribed for the Interdisciplinary Major

RELIGION MAJOR

The Religion Major provides disciplined and systematic instruction in religion, with the aim of an overall comprehension of the doctrines of the New Church, in a sphere of rational discussion and creative thinking. Topics include the meaning of the New Church in relation to faith, the Word of the Lord, marriage and the home, creation, the Lord's providence, world religions, and sacred languages. Students have the opportunity to integrate their religious faith in ways that contribute to their own regeneration, to their religious community, and to the world.

Of the total 124 credits required for the Bachelor of Arts degree, 42 must be taken in religion and major-related subjects as set out below:

- These 42 credits shall be beyond the courses taken to satisfy the religion residency requirements in the freshman and sophomore years.
- Of these 42 credits, 15 may be taken in major-related subjects in philosophy, educational philosophy, history, or sacred language. See details below.
- Religion courses taken to meet major requirements must be beyond the 100-level, with at least 12 credits at the 300-level or above.
- At least one term of Religion Senior Project (490/491) must be included in the program. Credits received shall count towards the major requirements.
- At least 3 credits in a World Religions course must be included (Rel. 193, 283, 284, 295, 296), 3 credits may be from Religion 298, Religion Internship.
- For entrance into the religion major, students apply to the program director, the Rev. Stephen Cole. The division requires an overall GPA of 2.00, with 2.50 in religion courses and in those courses within the intended major-related fields of study.

Courses which qualify as major- or minor-related are as follows:

Education

304 New Church Principles on Structure and Growth of the Mind

History

240 Ancient Israel

250/350 Swedenborg's Life and Times

310 Religion in Ancient Greece and Rome

Philosophy

310/311 Topics in Contemporary Philosophy I and II

320/321 Swedenborg's Philosophy

Sacred Languages

Hebrew 110, 111, 250

Greek 110, 111, 250, 251

Latin 200+

Sociology

340 Seminar in the Sociology of Religion

In planning a degree program, pre-theological students should note that the Academy Theological School requires M.Div. candidates to have taken certain courses in religion, philosophy, education, and Latin. Other courses are recommended. (See Theological School Catalog.) Those wishing entrance into Theological School should interview with the dean of that school as early as possible.

RELIGION MINOR

A religion minor is offered with most other majors. Students should apply to the Head of the Religion and Sacred Language Division no later than the end of junior year.

Of the total 124 credits required for Bachelor of Arts degree, 15 credits (5 courses) must be beyond the courses taken to satisfy the religion residency requirements in the freshman and sophomore years.

Course Requirements:

- two must be in 300-level religion.
- one must be in a World Religions course (Rel. 193, 283, 284, 295, 296)
- one must be in an Old Testament or a New Testament course (Rel. 123, 220, 221, 222, 223, or History 240)
- no more than two from major or minor related courses (see religion major)

To enter and remain in the religion minor, the division requires an overall GPA of 2.00, with 2.5 in religion courses.

SECOND BACCALAUREATE

Students with a baccalaureate (from Bryn Athyn College or elsewhere) who wish to earn another baccalaureate at Bryn Athyn College must do the following:

1. Apply for admissions to the degree program and satisfy all admission requirements.
2. Work out a program with the appropriate major advisor. Such a program will meet the degree requirements and include an additional 30 credits beyond the previous baccalaureate degree.
3. Obtain approval from the dean of the college or the associate dean of academic affairs.

Students whose degree is from another institution may be required to take certain background courses that would justify a degree from Bryn Athyn College.

Students whose first degree is from Bryn Athyn College will not be eligible for financial aid.

COURSES OFFERED

Students may take courses above their year level only with the permission of the instructor and the appropriate division head.

Independent Studies

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

1. Have completed at least 32 credits with a GPA of 2.7 or better
2. Submit a proposal to the division head during the week prior to registration for the term in which the independent study is to occur.
3. Submit an independent study approval form (signed by the division head and instructor) to the academic advisor.
4. The student and the instructor will complete a syllabus which will be submitted to the office before or during registration.

Research for Senior Paper

Research 490. Interdisciplinary Seminar.

Student presentation and discussion of senior essay themes. Faculty presentation of the role of knowledge in the context of the New Church. Required of ID majors.

1 Credit. Fall.

A.J. Bedford & Staff

Leadership

Leadership 100/200. Student Development: Theory and Practice.

All students who desire to contribute to college life while exploring their leadership capacity are encouraged to enroll. Focus on developing leadership and support skills, student development theory, and managing inter-cultural challenges. Laboratory work involves active service in programs for incoming students and will help participants understand and serve the needs of today's undergraduates. Prerequisite: 2.5 GPA or permission of instructor.

1 Credit. Fall.

S.S. Werner

Leadership 101/201. Student Development: Theory and Practice.

Continuation of Leadership 100/200 for students interested in further development of leadership and support skills. Individual project development. Prerequisite: Leadership 100/200. (Offered for Sufficient Enrollment.)

1 Credit. Winter.

S.S. Werner

Internships: Cooperative Education Program

The College offers an internship/cooperative education program designed to provide students with the opportunity to combine academic work with out-of-the-classroom experience. Students learn through participation and reflection. In exchange, students add value to the organizations that sponsor internship opportunities.

Students are eligible once they have completed two full-time terms at Bryn Athyn College and have earned a GPA of 2.7 or better. In order to qualify for an internship, students must apply to the faculty member in charge of the subject area. Internships can be taken for credit in a number of different divisions: business, biology, education, English, history, and religion. (For specific descriptions and requirements unique to a certain subject, see the end of the relevant course section.) Otherwise students may earn elective credit, as is the case for most 100-level and service-oriented internships. For these elective internships, see Dr. Soni Werner, Director. The student is responsible for securing internship openings, but each subject head can offer coaching, as well as help with finding contacts.

Internships are awarded credit at approximately 67 hours per credit. Thus a 3 credit internship requires 200 hours. Students may earn a maximum of 12 credits in internships. Each field has unique internship requirements, including papers and presentations, but all require a reflective written return.

In many cases students are financially compensated for their work. Internships usually last an entire term, but other schedules can be arranged in either fall, winter, spring, or summer.

Internships differ from cooperative education experience. An internship is usually for one term only, whereas a cooperative education program involves a longer relationship between an employer and the College. In cooperative education, a student alternates between attending classes on campus for a term and working for a term with the same employer on professional tasks related to the program of study.

As ambassadors for the College, interns should be enthusiastic, punctual, and reliable, striving to meet or exceed their supervisor's expectations.

For most 100 level internships and elective credit contact:

Director of Internships/Cooperative Education
 Box 717, Bryn Athyn College of the New Church
 Bryn Athyn, PA 19009-0717
 (267) 502-2502
 soni.werner@brynathyn.edu

Service-Learning Program

The Core Program requires 1 credit of internship or service learning, which can be fulfilled either by unpaid service learning experiences or by internships (paid or unpaid). Service learning experiences include choir, coaching, college newspaper editor, internships, leadership courses, practicums in the majors, Science 290, and service trips. To receive academic credit for college service trips, students take the following 1 credit course:

Service Trip 100.

College-sponsored trip. Minimum of 4 days, on location in a college-prescribed service. Students submit learning plan to the director of service learning prior to the trip and a reflection component upon completion. Special and often substantial charge to defray expenses is necessary for enrollment. Pass/fail.

1 credit.

For additional information, please contact:

Director of Service-Learning
 Box 717, Bryn Athyn College of the New Church
 Bryn Athyn, PA 19009-0717
 (267) 502-2789

International Opportunities

The College offers two opportunities for international experience, both *study abroad* and *internships*. (See p.53 for information about internships.)

Study Abroad

Bryn Athyn College students create for themselves an appropriate program of study in their area of interest. Preparations should begin at least one year in advance. Credits earned off-campus can be applied to majors at Bryn Athyn College subject to approval. Bryn Athyn College faculty offer initial guidance; however, students are advised to apply to study abroad programs administered through other institutions such as Arcadia University. This study abroad program helps college students execute their plans for studying at an institution abroad. The program places students in a wide variety of countries, both English-speaking and non-English-speaking.

International Student Exchange Program

During the 2003-2004 academic year Bryn Athyn College entered into a formal student exchange program with the Université Michel Montaigne-Bordeaux (France). Students from Bryn Athyn may apply to attend the Université in Bordeaux for one or two terms, and Bordeaux students may apply to attend Bryn Athyn College for a comparable period of time. Bryn Athyn College students who apply must be full-time students who have completed at least three trimesters at Bryn Athyn College. In addition students must be in good academic standing with a cumulative GPA of 2.5. They must also meet the minimum academic standards of the Université prior to acceptance for study. Knowledge of French is highly desirable, but students may take courses in the American Studies Department at the Université, some of which are taught in English. Bryn Athyn College students who participate will be responsible for all transportation, living expenses, and costs involved in travel to and from the Université. In addition the student is responsible for all personal expenses such as a passport, telephone calls, books, etc. Students are required to have health insurance for the duration of their exchange period. (For additional information please contact Dr. Jane Williams-Hogan.)

Cancellation of Courses

The College administration will make every effort to offer the courses listed in this catalog but reserves the right to cancel those courses which do not receive sufficient enrollment.

DIVISION OF EDUCATION

Education

Courses designated FE require field experience.

Physical Education 101. Health.

(See Physical Education). Strongly recommended for education majors.

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

Aspects of a career in teaching are explored within the context of New Church and secular education philosophy. Overview of the history of education, issues facing schools today, and the application of effective instructional practices. Brief observation and optional practice teaching in the Bryn Athyn Church School. Prerequisite for many Education courses.

3 Credits. Winter.

K.R. Alden

Education 225. Seminar in Observation and Teaching. (FE)

17 hours of observation, teaching of 3-5 single lessons, completion of interactive journal and eight seminars based on "Beginning with the Brain." Students must have enough open times in their schedule to complete the observation requirements. Prerequisite: Education 128.

2 Credits. Spring.

N.G. Phillips

Education 235. Developmental Reading. (FE)

Theory and approaches to the teaching of reading, pre-kindergarten to sixth grade, including areas of readiness, phonics and comprehension skills, and materials currently available. Students must have space for 10 hours of morning observation time. Prerequisite: Education 128.

3 Credits. Fall.

N.G. Phillips

Education 240. Methods for Diverse Learners. (FE)

Application of techniques acquired in previous course work as well as mastery of assessment theory in practice. Exploration of material in the Writings bearing on the teaching of reading, and individual differences in language, reading, and writing performance among students. Formal, informal, and portfolio assessment to assist pre-service teachers in constructive evaluation. Exploration and selection of methods and material congruent with the assessment findings. Case studies and current experience integrated throughout the course. Field experience required. Prerequisite: Education 128, Education 235. Psychology 101 recommended.

3 credits. Winter.

B. Rydstrom

Education 245. Content Area Literacy.

Basic ideas, goals and frameworks to improve and teach reading and writing in the content areas, support critical thinking, and enhance literacy across the curriculum. Study skills in content areas. Reading, writing, listening, and speaking within the culture of the discipline

Education

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studied or taught. Required course for pre-service secondary school teachers, but also recommended for all education students. Prerequisite: Education 128 or permission of instructor.

Alternates with Education 317.

3 Credits. (Not offered 2007/08.)

N.G. Phillips

Education 251. Integrating Art into the Curriculum.

Curriculum study for the elementary years. Slide lectures and applied projects. Discussion of design language correlated to levels of development and the materials and techniques suitable to each age. Two lecture and two laboratory periods. Art History (Fine Arts 101 or Fine Arts 102) recommended. Alternates with Education 252.

3 Credits. (Not offered 2007/08.)

M. Gyllenhaal

Education 252. Music Education.

Preparation for the elementary school teacher as a music leader in the classroom and as an assistant to the music specialist. Includes curriculum guidelines; basic music and note reading skills; sight-singing; simple accompanying skills on piano and guitar; teaching of singing techniques; the use of the recorder, autoharp, xylophones, and percussion instruments; the contributions of Gordon, Orff, Kodaly, Dalcrose and Suzuki to classroom music. Alternates with Education 251.

3 Credits. Spring.

C.W. Simons

Physical Education 253. Teaching Health and Physical Education. (FE)

(See Physical Education.)

Education 301. Foundations of Education.

Study of the influence of cultural, philosophical, political, and social changes on the development of education. Emphasis on issues in United States schools today and on potential future developments. Prerequisite for non majors: Education 128 and permission of the instructor.

3 Credits. Spring.

N.G. Phillips

Education 304. New Church Principles on Structure and Growth of the Mind.

Examination of New Church doctrinal principles on human development, George de Charms' *Growth Of The Mind* and historical and contemporary research in developmental psychology. Major emphasis on the states of elementary school children (K-8). Prerequisite: 4 terms of New Church philosophy or religion. (Counts as a religion course.)

3 Credits. Winter.

E.H. Carswell

Education 310. Elementary Mathematics for Teachers. (FE)

Introduction to teaching mathematics (K-6). Emphasis on helping children make mathematical connections through the use of manipulatives, problem solving, estimation, mental math, and technology in accordance with the General Church Schools Math Curriculum. Includes classroom observations and teaching. Prerequisite: Education 128.

3 Credits. (Not offered 2007/08.)

Staff

Education 311. Educating Diverse Learners. (FE)

Background in the complex nature of students with special needs. Examination of issues and trends in special education and characteristics of persons with disabilities. Issues and theories relating to special education explored from both secular research and New Church doctrine. Planning and adapting to needs and abilities of these students in the inclusive classroom. Some classroom observation required. Prerequisite: Education 128 and 235. (For certification in special education, a reading/research component will be required for an additional credit.)

2 (3) Credits. Spring.

B. Rydstrom

Education 317. The Preschool Years: A New Church Perspective.

Overview of the moral development of the young child, ages 2-6: physical-motor, emotional, social, moral, cognitive/intellectual, spiritual, and creative development. Basic techniques for systematically observing and recording the behavior of young children. Review of secular writings in the light of New Church concepts. Prerequisite: Education 128 or Psychology 101 or permission of the instructor. (Counts towards dual certification in Elementary/Early Childhood Education.) Alternates with Education 245.

3 Credits. Fall.

N.G. Phillips

Education 321. Teaching Language Arts. (FE)

Study of language development and literacy skills needed for elementary school students to construct meaning through reading, writing, listening, and speaking. Ed 235 and Ed 240 highly recommended. Prerequisite: Education 128 or permission of the instructor.

3 Credits. Spring.

K.R. Alden

Education 325. Field Experience in a Multi-graded Classroom. (FE)

30 hours of observation and teaching in a New Church school with multi-graded classrooms. Interactive journal required. To be taken before the end of third year.

1 Credit. Offered as needed.

N.G. Phillips

Education 326. Field Experience in Differentiated Learning in Secondary Ed. (FE)

30 hours of observation and teaching in a New Church secondary school using the principles of differentiated learning. Interactive journal and some required reading. To be taken before the end of third year.

1 Credit. Offered as needed.

N.G. Phillips

Educational Psychology 340. Education as a Developmental Process.

(See psychology section, p.70.)

Education 354. Teaching Elementary School Social Studies. (FE)

Study of philosophies, methods, and materials for teaching social studies, including use of museum resources. Preparation and teaching of a unit in an elementary school classroom with formal observation and evaluation. Prerequisite for non majors: Education 128 or permission of the instructor.

3 Credits. Winter.

N.G. Phillips

Education 355. Teaching Elementary School Science. (FE)

Overview of New Church elementary school science curriculum (K-8) focusing on earth, life, physical sciences, and practical applications in teaching. Emphasis on scientific processes, planning, classroom strategies and techniques, hands-on activities, peer teaching, and multiple use of materials and technology to facilitate learning in both classroom and laboratory. Includes classroom observation. Prerequisite: Education 128.

3 Credits. Spring.

J.H. Rogers

Education 401. General Methods and Classroom Management. (FE)

Classroom observations, readings, practical assignments and discussion of the application of New Church and secular educational philosophy in the daily life of the school and classroom. Emphasis on designing effective curriculum-based instruction and classroom management skills. Prerequisite: Education 128 or permission of instructor. Open to Theological School students.

3 Credits. Fall.

K.R. Alden

Education 402. Student Teaching. (FE)

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

12 Credits. (Offered as needed.)

K.R. Alden

Education 404. Senior Seminar.

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

3 Credits. Offered as needed.

K.R. Alden

Education 424. Teaching the Letter of the Word (K-8).

Review of the General Church K-8 religion curriculum. Emphasis on drawing meaning from stories in the Old and New Testament to conduct classroom worship, teach religion, lead discussions, and integrate religion with the teaching of other subjects. Students are exposed to a variety of resources and materials. Assignments include class presentation, unit building, brief observation, and leading one worship. Required of elementary education majors. Open to Theological School students. Prerequisite: Education 128.

1.5 Credits. Fall.

K.R. Alden and G.H. Odhner

Education 430. Teaching in a Multi-Age Classroom.

Three-week, 45-hour course designed to help teachers teach two or more ages or levels in elementary school simultaneously. Emphasis on organization and management as well as special teaching techniques relating to each subject area. Participants are encouraged to

relate assignments to their own teaching situations. Prerequisite: Education 401 and student teaching, or permission of the instructor.
3 Credits. Summer (as needed, enrollment of 3 or more). *J.H. Rogers*

Education Internships & Independent Studies

Education 298/398/498. Education Internship

Students pursuing an experience in which there is a practical application of educational philosophy and methodology may apply to the Education Division Head and follow current established guidelines of internship requirements.
Credits variable. *Staff*

Education 299/399. Independent Study in Education

Students pursuing academic interests in the field of education may apply to the Education Division Head the term before seeking an independent study. Syllabus must be approved prior to the term students desire to seek credit.
Credits variable. *Staff*

FINE ARTS

Art History

Fine Arts 101/201. Aegean to Early Christian.

Introductory survey of architecture, sculpture, and painting covering Aegean, Greek, Etruscan, Roman, Early Christian, and Byzantine art. Study of works from Glencairn's collection. Trip to the Metropolitan Museum of Art in New York.
3 Credits. (Not offered 2007/08.) *M. Gyllenhaal*

Fine Arts 102/202. Renaissance and Baroque Art.

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

Fine Arts/History 160/260. Art, Culture, and History: Studies Abroad. (Medieval France).

Using one of the finest collections of medieval art in the world (Glencairn Museum) this course surveys the art of Medieval Europe, particularly that of France, focusing on the evolution of sacred imagery, and how it effects and shapes the attitudes of the period. The course is followed by a faculty led, two-week optional trip to France. Students who go on the trip receive one additional credit.
3 Credits. Spring. *M. Gyllenhaal*

Fine Arts/History 208. The Art and Culture of Ancient Egypt.

Examination of ancient Egyptian culture as revealed through art and archaeology. Special attention given to art as a source of historical information. Topics include the influence of natural resources and the environment, principles of artistic representation, problems with interpreting evidence, the origin and nature of Egyptian hieroglyphic writing, and the Egyptian world view. Trip to the Metropolitan Museum of Art in New York.
3 Credits. Spring. *C.E. Gyllenhaal*

Fine Arts 210. Nineteenth and Twentieth Centuries.

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

Fine Arts 212. Medieval Art. (See Fine Arts 160/260)

Using one of the finest collections of medieval art in the world (Glencairn Museum) this course surveys the art and architecture of Medieval Europe, focusing on the evolution and use of sacred imagery, and how it reflects and shapes the attitudes of the period. Highlights include: Early Christian sculpture, Celtic manuscripts, Romanesque sculpture, and Gothic cathedrals. Students solve problems posed by some of Glencairn's pieces and develop a research topic related to a piece of their choice.
3 Credits. (Not offered 2007/08.) *M. Gyllenhaal*

Fine Arts 213/313. Topics in Twentieth Century Architecture: Bryn Athyn Cathedral.

Study of the conception and construction of Bryn Athyn Cathedral and the architecture of the surrounding community 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. (Not offered 2007/08.) *M. Gyllenhaal*

Studio Art***Fine Arts 120. Metal Work I.**

Introduction to basic techniques in metal working including sawing, piercing, embossing, raising a bowl, cold joining, and soldering.
3 Credits. Winter, Spring. *M. Gyllenhaal*

*Laboratory fee for the materials used in studio courses.

***Fine Arts 125. Photography.**

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

3 Credits. Winter.

C.S. Orthwein

***Fine Arts 130. Ceramics.**

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

3 Credits. Fall.

C.S. Orthwein

***Fine Arts 140. Drawing and Painting.**

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

3 Credits. Winter, Spring.

M. Gyllenhaal

***Fine Arts. 220. Metal Work.**

Advanced projects using the skills covered in Fine Arts 120 with introduction to techniques such as the setting of gemstones and use of exotic woods.

3 Credits. Winter, Spring.

M. Gyllenhaal

***Fine Arts 230. Intermediate Ceramics.**

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

3 Credits. Fall.

C.S. Orthwein

***Fine Arts 240. Intermediate Painting.**

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

3 Credits. Winter, Spring.

M. Gyllenhaal

DIVISION OF HISTORY AND SOCIAL SCIENCE

Anthropology

Anthropology 110. An Introduction to Cultural Anthropology.

Focus on the concept of culture, the methods of anthropological study, and some of the basic institutions of culture such as family, religion, and economic life. Particular emphasis on using the study of other cultures as a basis for understanding complex modern society.

3 Credits. Fall.

K.W. Gartner

*Laboratory fee for the materials used in the studio courses.

History and Social Science

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Anthropology/History 211. Artifacts, Archaeology, and Museums: Seminar in Material Culture.

Introduction to the theories and methods for interpreting how objects provide evidence for history and express a culture's values, ideas, and attitudes. Includes examination of archaeological method and ethics, and the use of objects in a museum setting. Hands-on projects and visits to local museums and historical sites.

3 Credits. Fall.

W.E. Closterman

Business

Business/Psychology 202. Psychology applied in the Workplace.

(See Psychology 202.)

Business 241. Accounting I.

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

3 Credits. Winter.

R. Goldman

Business 242. 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 241.

3 Credits. Spring.

C. Joseph

Business 251. 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. (Not offered 2007/08.)

Staff

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. Fall.

W.C. Childs III

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. Winter.

W. C. Childs III

Business 301. Business Ethics.

Analysis of moral principles and their application to decision making in business. Includes an overview of philosophical and theological ethical theories, including New Church

ethics. Major focus on the analysis of ethical concerns in actual case studies from business, involving issues such as down-sizing, whistle-blowing, competition vs. cooperation, and social responsibility.

3 Credits. Spring.

W.C. Childs III

Business Internships

Business 298, 398, and 498. Business Internship.

Credit variable.

Economics

Economics 131. Macroeconomics.

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 to the role of government fiscal and monetary policy. Consideration of current issues such as economic growth, federal budget deficits, and the impact of corporate scandal. Course includes student-led seminars and a trip to the Federal Reserve Bank.

3 Credits. Fall.

C.W. Lindsay

Economics 132. Microeconomics.

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. Introduction to international economic theory. Group projects.

3 Credits. Winter.

B.L. Schnarr

Geography

Earth Science 105. Geographical Information Systems.

(See Earth Science in Mathematics and Science Division.)

Geography 110. World Regional Geography.

Study of world regions with emphasis on the geographic relationships – physical and cultural – that give them their character.

3 Credits. Winter.

D.G. Rose

History

History 114. The Classical World.

Historical survey of ancient Greece and Rome from Minoan civilization to the fall of the Roman Empire in the west. Consideration given to the contributions of this period to the history of western civilization. Particular attention to the role of religion and political trends. Use of Glencairn Museum's collections.

3 Credits. Fall.

W.E. Closterman

History and Social Science

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History 115. The Medieval World.

Historical survey of medieval Europe from the fall of Rome through the fourteenth century. Consideration given to the contributions of this period to the history of western civilization. Particular focus on religion and the role of the church throughout the middle ages. Use of primary texts and Glencairn Museum's collections. Students participate in Glencairn's Medieval Faire.

3 Credits. Winter.

B.D. Henderson

History 117. The Contemporary World.

Global examination of the post-World War II era. Includes survey of political and economic developments in the different regions of the world and thematic approach to the contemporary global situation. Potential topics include: globalization, democratization, terrorism, American power. Current events discussions.

3 Credits. Spring.

D.G. Rose

Fine Arts/History 160/260. Art, Culture, and History: Studies Abroad.

(See Fine Arts.)

History 207. Ancient Mesopotamia.

Examination of the history and culture of ancient Mesopotamia (modern Iraq and the surrounding region) from the Neolithic period through the Persian Empire. Particular focus on Mesopotamian archaeology and texts as historical sources. Use of Glencairn Museum's Near Eastern collection and field trip to the University of Pennsylvania Museum. Alternates with History 208.

3 Credits. (Not offered 2007/08.)

W.E. Closterman

Fine Arts/History 208. The Art and Culture of Ancient Egypt.

(See Fine Arts 208.)

History 209. Asia (Southeast).

Focus on Southeast Asia in 2007-08. Introduces themes important for understanding Southeast Asia's modern history with a focus on the cultural and religious traditions of Vietnam. Explorations of the impact of Vietnam War 1950-1975 on East-West relations. Special Glencairn museum exhibit on contemporary Hindu and Buddhist practice including guest lectures. Field trips, course projects, and group work.

3 Credits. Fall.

B.L. Schnarr

Anthropology/History 211. Artifacts, Archaeology, and Museums: Seminar in Material Culture.

(See Anthropology 211.)

History 215. Renaissance and Reformation.

Examination of the intellectual, religious, political, and cultural developments in European society from the fourteenth through the early eighteenth century, with special focus on the contributions of the Renaissance and Reformation on western civilization. Topics include

the emergence and spread of Renaissance culture, the Renaissance state, the Protestant Reformation, and the wars of religion. Use of primary texts as historical sources.

3 Credits. (Not offered 2007/08.)

B.D. Henderson

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

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

3 Credits. (Not offered 2007/08.)

J.K. Williams-Hogan

History 225. History of Colonial America 1607-1763.

Thematic examination of the establishment and development of the British colonies in North America. Focus on the religious, economic, political, and social development of the major colonies, leading to the evolving strain between the colonies and England. Attention to analyzing sources and developing skills in historical writing.

3 Credits. Fall.

B.D. Henderson

History 230. United States History 1763-1877.

Examination of the historical development of American society from the eve of the American Revolution through the Civil War. Particular focus on political ideology, national identity, and societal values. Lectures and seminar discussions. Analysis of scholarly articles by leading historians in the field.

3 Credits. Spring.

B.D. Henderson

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

(See Political Science/History 232.)

History 235. Africa: An Introduction to African History.

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

3 Credits. (Not offered 2007/08.)

B.L. Schnarr

History 240. Ancient Israel.

Study of the ancient Israelites from the time of their formation as a social group through 70 AD. Emphasis on governmental and ecclesiastical institutions, intercultural relationship between Israel and its neighbors, and context of the Old Testament.

3 Credits. Winter.

W.E. Closterman

History 245. The Middle East.

Surveys political, social, and cultural developments in the greater Middle East from approximately 600 A.D. to the modern era. Focus on the advent of Islam and the waxing and waning of selected Islamic Empires. Concludes with a consideration of the post-World

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War I mandatory period and the drawing of the current borders in the region.

Alternates with History/Political Science 346.

3 Credits. (Not offered 2007/08.)

D.G. Rose

History 250/350. Swedenborg's Life and Time.

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

3 Credits. (Not offered 2007/08.)

J.K. Williams-Hogan

History/Religion 295. Islam.

(See Religion 295.)

History 301. Historical Methods.

Designed for history majors and upper-class students with an interest in the methodology of historical research. Exploration of the craft and tools of historical research and writing. Topics include: the philosophy of history, the use of primary sources as historical evidence, archival research, historical writing, and historiography. Original archival research on a topic of local history.

3 Credits. Winter.

B.D. Henderson

History 310. Religion in Ancient Greece and Rome.

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

3 credits. Spring.

W.E. Closterman

History 315. Seminar on The Age of Enlightenment.

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

3 Credits. Fall.

J.K. Williams-Hogan

History And Philosophy of Science 315. Cosmology.

(See Division of Mathematics and Science.)

History 330. Twentieth Century American History Seminar.

Thematic approach to selected topics in twentieth century America. For 2006/2007, the theme will be American foreign policy. Course will survey the major events, ideas, and factors that have shaped foreign policy over the last century: what caused America's involvement in foreign wars and interventions? Were the results of American policy good or bad?

3 Credits. (Not offered 2007/08.)

D.G. Rose

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

(See Political Science/History 346.)

History 402. Senior Seminar.

Thematic or topical investigation with an emphasis on historical criticism and analysis. Capstone seminar integrating the history student's experiences in the discipline.

3 Credits. (Not offered 2007/08.)

W.E. Closterman

History 490 and 491. Senior Research Paper I and II.

3 Credits.

*History Internships***History 298, 398 and 498. History Internship.**

Credit and requirements variable. Proposals must be approved by head of major. History internships are open to students in sophomore year or above who have completed at least two history courses. Description of requirements available from head of major.

*Political Science***Political Science 101. Introduction to Politics and Governance.**

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

3 credits. Fall.

D.G. Rose

Political Science 111. Comparative Government.

Introduction to the comparative study of the politics of nations. Examines the underlying principles and machinery of selected governments around the world. Current events discussions focus on the issues facing those governments.

3 Credits. Winter.

D.G. Rose

Political Science 210. American Government and Politics.

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. (Not offered 2007/08.)

D.G. Rose

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

Examines the dominant themes in American foreign policy from the post-WWII period. Considers the consequences of the end of the Cold War for American foreign policy and examines specific policy issues facing the U.S. at the beginning of the twenty-first century such as terrorism, nation building, and humanitarian efforts. Prerequisite: Political Science 101, History 117, or instructor permission.

3 credits. Spring.

D.G. Rose

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

Examines political and social developments in the greater Middle East in the post-World War II era. Surveys the governments and domestic political processes of selected countries. Considers interstate relations and multilateral issues such as the Arab-Israeli conflict, Pan-Arabism, the rise of Islamism, and the Gulf Crises. Prerequisite: Political Science 111 or History 245 or instructor permission. Alternates with History 245.

3 credits. Winter.

D.G. Rose

Psychology

The doctrines of the New Church afford unique insights into the nature and operation of the human mind. These insights are integral to the study of psychology at Bryn Athyn College.

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. Winter, Spring.

S.S. Werner

Psychology 103. Personality Dynamics and Adjustment.

Survey of popular written work on personality dynamics. Examination of DSM IV text on axis II diagnoses of personality disorders. Focus on understanding terms, concepts of personality, and their application to situational contexts.

3 Credits. Spring.

C.A. Odhner

Psychology 201. Abnormal Psychology.

Examination of mental disorders as classified by the medical mode, including Schizophrenia and other psychotic disorders, mood disorders, anxiety disorders, dissociative disorders, disorders of childhood, eating disorders, sexual and gender identity 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. Fall.

E. van Zyverden

Psychology/Business 202. Psychology Applied in the Workplace.

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

3 Credits. (Not offered 2007/08.)

S.S. Werner

Psychology 205. Social Psychology.

Study of behavior and cognition in social contexts. Topics include aggression, altruism, influence, love, prejudice, and conformity. New Church concepts of love, charity, and obedience analyzed. Prerequisite: Psychology 101 or permission of the instructor.
3 Credits. Winter. *S.S. Werner*

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 be a New Church therapist. Students participating in the optional lab will receive one additional credit. Prerequisite: two Psychology courses or permission of instructor.
3-4 Credits. (Not offered 2007/08.) *E. van Zyverden*

Psychology 305. Physiological Psychology.

Exploration of the neural basis of behavior and motivation. Emphasis on brain-behavior relationships. Introduction to neuropsychology. Topics include cerebral hemisphere asymmetry, measurement of cerebral impairment, and neuroanatomy. Prerequisite: Psychology 101.
3 Credits. Spring. *E. van Zyverden*

Educational Psychology 340. Education as a Developmental Process.

Study of secular psychology as it is applied to children and adolescents in the classroom setting. Major areas of study include human development, learning, and motivation. New Church doctrines include innocence, charity, development of the rational mind, and conscience. Prerequisite: Psychology 101.
3 Credits. Fall. *S.S. Werner*

Sociology**Sociology 110. Introductory Sociology.**

Research project utilizing techniques of participant observation, experimentation, survey/interview methods, and data analysis to discover the basic concepts of sociology: social structure, culture, and socialization.
4 Credits. Spring. *J.K. Williams-Hogan*

Sociology 211. Marriage and the Family.

Analysis of the family as a basic social institution. Particular attention to understanding marriage and the family historically and cross-culturally. Exploration of issues and problems involving mate selection and marriage and family stability in modern western society.
3 Credits. Spring. *J.K. Williams-Hogan*

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Sociology 218. Topics in Sociology.

Survey of a recognized sub-field in sociology such as development, deviance, education, gender, knowledge, race and ethnicity, or socialization. For 2006/2007 the focus is race and ethnicity.

3 Credits. (Not offered 2007/08.)

J.K. Williams-Hogan

Sociology 340. Seminar in the Sociology of Religion.

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

3 Credits. Winter.

J.K. Williams-Hogan

Social Science 201. The Human: Integrating Social Science and New Church Perspectives.

Focus on the question "What does it mean to be fully human?" New Church concept of a hierarchy of uses provides the framework. These uses ascend from those of the body, through the material, the civic and moral, to the spiritual. Exploration of human life presented in this framework through the three different yet complementary lenses of Anthropology, Psychology, and Sociology.

3 Credits. Spring.

J.K. Williams-Hogan

Social Science 202. The Human in Postmodern Culture: Integrating Social Science and New Church Perspectives.

Continuation of Social Science 201, with special emphasis on the human, in terms of moral, civic, and social uses. New Church doctrine provides the framework for understanding current theories and research in the Social Sciences. Exploration of issues and problems facing men and women in the Modern/Postmodern World, using the three different yet complementary lenses of Anthropology, Psychology, and Sociology. Prerequisite: Social Science 201 or permission of the instructor.

3 Credits. (Not offered 2007/08.) *K.W. Gartner, S.S. Werner and J.K. Williams-Hogan*

Social Science/History 290: Social Movements.

Case study of the formation of the New Church in England, the United States, Europe, and Africa. Examination of the cultural, social, economic, political, and geographical determinants of development. Prerequisite: one history or social science course.

3 Credits. (Not offered 2007/08.)

J.K. Williams-Hogan

Social Science 321. History of Social Science Theory.

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

3 Credits. (Not offered 2007/08.)

J.K. Williams-Hogan

Social Science 322. Research Methods in the Social Sciences.

Research problems, designs, and methods in the Social Sciences. Major analytical methods

explored in lectures and laboratory work. Application of statistical techniques to data sets. Case studies, surveys, interviews, intelligence tests, participatory field work, observation tools, and projective research techniques. Prerequisite: Math 130.

4 Credits. (Not offered 2007/08.)

Staff

DIVISION OF HUMANITIES

(English, Modern Languages, Music, Philosophy, Theater)

English

Writing 101 is a prerequisite for all upper level English courses.

English 100. English as a Second Language.

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

3 Credits. Fall

N. Phillips

Writing 101. Expository Writing

Development of skills in recognizing and evaluating ideas drawn from selected readings. Five to seven analytic essays. Emphasis on rhetorical argument. Required of first year students. Non-native speakers of English take Writing 101 sophomore year.

3 Credits. Fall, Winter.

S.V. Bernhardt, T.P. Glenn

Writing 202. Writing About Literature.

Analytic study of literary genres, with emphasis on writing skills. Prerequisite: Writing 101. Required of sophomores.

3 Credits. Fall, Winter.

R.S. Cooper, A. Rogers-Petro, K.S. van Ham

Speech 105. Public Speaking.

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. Fall, Spring.

S.V. Bernhardt

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

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

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teaches about the journey of regeneration.
3 Credits. Spring.

S.V. Bernhardt

English 211. Creative Writing.

Workshop approach to various forms of creative writing. Individual conferences in addition to class meetings. Class selection and publication of an anthology of student writing. Prerequisite: Grade of B or better in Writing 101 and 202.

3 Credits. (Not offered 2007/08.)

A. Rogers-Petro

English 213. Advanced Exposition.

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

3 Credits. Spring.

T.P. Glenn

English 215. Great Books I. Classical and Medieval Literature.

Study (in English) of selected classics of Western culture from Greek, Roman, and Medieval literature, including works by Homer, the Greek dramatists, Plato, Virgil, Dante, Chaucer, and others. Lecture/discussion.

3 Credits. (Not offered 2007/08.)

Staff

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

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

3 Credits. Fall.

K.S. van Ham

English 217. Great Books III. Nineteenth-Century and Modern Literature of Western Culture.

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

3 Credits. Spring.

R.J. Silverman

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.

3 Credits. (Not offered 2007/08.)

K. King

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.

3 Credits. (Not offered 2007/08.)

K. King

English 220. English Literature Survey I.

Chronological overview of the development of English literature in England from the early medieval period through the civil war (mid 17th century). Lecture, discussion, guest speakers, student reports or projects, research paper on a chosen period or author. Required of English majors.

3 Credits. Fall.

T.P. Glenn

English 221. English Literature Survey II.

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

3 Credits. Winter.

K. King

English 235. Shakespeare.

Study of selected Shakespearean tragedies, comedies, and histories. Lectures and collateral readings. Some films and group work. Background of the Elizabethan world.

3 Credits. (Not offered 2007/08.)

K. King

English 245. Children's Literature.

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

3 Credits. (Not offered 2007/08.)

T.P. Glenn

English 250. 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.

3 Credits. (Not offered 2007/08.)

K. King

English 310. Chaucer and Medieval English Literature.

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

3 Credits. (Not offered 2007/08.)

T.P. Glenn

English 311. Advanced Creative Writing Workshop.

Workshop for in-depth study of the craft of writing. Students will concentrate on one genre (poetry, fiction, or drama) and produce a polished portfolio of their work. Workshop sessions provide opportunity for rigorous and supportive feedback on works in progress

Humanities

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with the goal of helping class members produce their best writing. Prerequisite: English 211 or 213.

3 Credits. Winter.

A. Rogers-Petro

English 314. The Poetry of Devotion.

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

3 Credits. (Not offered 2007/08.)

A. Rogers-Petro

English 315. Modern American Poets.

In-depth study of American poets of the twentieth century, including Robert Frost, Wallace Stevens, Ezra Pound, Langston Hughes, and Sylvia Plath, reflecting the range and variety of expression in modern American culture. Alternates with Humanities 314.

3 Credits. Fall.

A. Rogers-Petro

English 320. The English Language.

Study of the historical development of the language from Anglo-Saxon to Modern English, with some particular attention given to the development and characteristics of American English.

3 Credits. Winter.

T.P. Glenn

English 330. Elizabethan Literature.

Literary renaissance in England, together with its backgrounds and influence. Focus on representative writers in one of the major genres. Seminar presentations required.

3 Credits. (Not offered 2007/08.)

T.P. Glenn

English 350. Eighteenth-Century English Prose and Poetry.

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

3 Credits. (Not offered 2007/08.)

K. King

English 360. Victorian Literature.

Study of selected literary figures of England from 1830 to 1900, with emphases on trends in religion, philosophy, and science, and on the literary form of the novel.

3 Credits. (Not offered 2007/08.)

K. King

English 365. Henry James Seminar: American Subjects in Italian Settings.

Exploration of James's works in which Italian art and culture play significant roles: *Roderick Hudson*, *Daisy Miller*, *The Portrait of a Lady*, and selected short stories and criticism. Emphases on Jamesian themes of marriage, the reach of consciousness, art and

the market place, innocence and experience, and the juxtaposition of cultures. Swedenborgian threads traced. Reading load demanding. Open to sophomores with permission of instructor.

3 credits. (Not offered 2007/08.)

K. King

English 370. Twentieth Century Authors (after 1950).

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

3 Credits. Spring.

K. King

English 490 and 491. English Major Writing Project

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

3 credits per term, 6 total.

K. King

English Internships

English 298 and 398. English Internship.

Credit and requirements variable. Proposals must be approved by head of major. Sophomores may apply for English 298 after completing two 200-level English courses. Juniors may apply for English 398 after completing three 200- or 300-level English courses. Description of requirements available from the head of the major.

Modern Languages

Modern languages are offered at the 200 level. Students interested in 100 level courses should talk to the instructor.

French

The French program uses the four term video/textbook series *French in Action*. Students who have taken French previously will take a placement test to determine the appropriate course level. In both the introductory and intermediate levels French is the language of instruction. Emphasis on four skill areas: listening, speaking, reading and writing.

French 201. Intermediate French I.

Continuation of the first two terms using *French in Action*.

3 Credits. Winter.

E.E. Kim

French 202. Intermediate French II.

Completion of *French in Action*. Prerequisite: French 201 or permission of instructor.

3 Credits. Spring.

E.E. Kim

Humanities

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French 203. French III. Communicating in the Francophone World.

Emphasis on why French is still considered one of the world's most important languages. Exploration of French's vast influence over the globe through reading stories, viewing films, using the internet, writing, and discussion. French is the language of class instruction. Prerequisite: French 202.

3 Credits. (Not offered 2007/08.)

Staff

German

German 201. Intermediate German I.

3 Credits. (Not offered 2007/08.)

S. Lawing

German 202. Intermediate German II.

3 Credits. (Not offered 2007/08.)

S. Lawing

Spanish

The Spanish program uses the four term video/textbook series *Destinos*. Students who have taken Spanish previously will take a placement test to determine the appropriate course level. In both the introductory and intermediate levels Spanish is the language of instruction. Emphasis on four skill areas: listening, speaking, reading, and writing.

Spanish 201. Intermediate Spanish I.

Continuation of the first two terms using *Destinos*.

3 Credits. Fall.

M.M. Walker

Spanish 202. Intermediate Spanish II.

Completion of *Destinos*.

3 Credits. Winter.

M.M. Walker

Spanish 203. Spanish III. Contemporary Latin America.

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

3 Credits. (Offered for sufficient enrollment.)

Staff

Music

Music 100. College Chorale.

Development and performance of choral repertoire from Renaissance to Modern.

Instruction in the development of vocal techniques. May be repeated for credit.

Pass/Fail.

1 Credit. Fall, Winter, Spring.

C.W. Simons

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. Spring.

C.W. Simons

Music 113. Music Theory I.

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

3 Credits. Fall.

C.W. Simons

Music 114. Music Theory II.

Continuation of Music 113. Prerequisite: Music 113 or instructor's approval.

3 Credits. Winter.

C.W. Simons

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. May be repeated for credit. Can also apply to participation in the church choirs. Prerequisite: Consent of division.

1 Credit. Pass/Fail.

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. Spring.

S.D. Cole

Philosophy 110. Introduction to Philosophy.

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

3 Credits. Fall, Winter.

D.A. Synnestvedt

Philosophy 111. Introduction to Moral and Political Philosophy.

Survey of some major philosophers and theories in moral and political philosophy. Prerequisite: Philosophy 110.

3 Credits. Winter.

D.A. Synnestvedt

Philosophy 210. Ancient Philosophy. (Greek for 2007)

Historical consideration of ancient Greek philosophy (with emphasis on Socrates, Plato, and Aristotle) or Roman philosophy (with emphasis on Cicero, Aurelius, and Seneca). Prerequisite: Philosophy 110 and 111.

3 Credits. Fall.

D.A. Synnestvedt

Philosophy 211. Modern Philosophy.

Historical consideration of modern and Enlightenment philosophy, including Descartes, Locke, Leibniz, Rousseau, and Voltaire. Prerequisite: Philosophy 110 and 111.

3 Credits. (Not offered 2007/08.)

D.A. Synnestvedt

Philosophy 310. Topics in Contemporary Philosophy I.

Exploration of themes and problems in contemporary philosophy. Readings from analytic, continental, postmodern, or neo-pragmatist philosophers in areas such as the philosophy of ethics, politics, language, mind, law, science, religion, or other sub-fields. Prerequisites: Philosophy 110 and 111.

3 Credits. Fall.

D.A. Synnestvedt

Philosophy 311. Topics in Contemporary Philosophy II.

Complement to Philosophy 310, but may be taken independently. Topics and emphases change periodically. Prerequisites: Philosophy 110 and 111.

3 Credits. Winter.

D.A. Synnestvedt

Philosophy 320. Swedenborg's Philosophy.

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

3 Credits. (Not offered 2007/08.)

D.A. Synnestvedt

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. (Not offered 2007/08.)

D.A. Synnestvedt

Philosophy 330. The Human Form.

The philosophy of the human form and organism. Nature and origin of organic forms. Formation of the human body and its correspondences. Illustrations and comparisons from science. Prerequisite: Philosophy 111 and laboratory science course.

3 Credits. (Not offered 2007/08.)

Staff

Philosophy 331. Organic Forms.

Correspondences of the human body compared with other human organisms: cells, societies, the mind. Illustrations from natural science, social studies, and psychology. Prerequisite: Philosophy 330, or Philosophy 110 and 111 and laboratory science course.

3 Credits. (Not offered 2007/08.)

Staff

*Theater***Theater 110. Introduction to Performance Arts.**

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

3 Credits. Fall.

S.V. Bernhardt

Theater 120. Set Design and Production.

Hands-on introduction to scene design and production. Overview of the history of scene design with emphasis on the process of creating a set from designer drawings and elevations. 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. Work with the play's director using the Mitchell Performing Arts Center as the classroom. Final project is the set for the College play. May be repeated for credit.

3 credits. Winter.

N. Haus-Roth

Theater 210. Original Performance: Theater as Spiritual Practice

Builds on fundamental acting skills of Theater 110. Examines archetypal patterns found worldwide in myths, stories, plays and sacred ritual. Students explore archetypes in their own lives by writing, acting in, and producing original plays. Prerequisite: Theater 110, Theater 220, or permission of instructor.

3 credits. Spring.

S.V. Bernhardt

Theater 220. Dramatic Performance.

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. May be repeated for credit.

1-3 Credits. Winter.

S.V. Bernhardt

DIVISION OF MATHEMATICS AND SCIENCE

Sciences

Biology

Biology 110. Environmental Science.

Geared for non-majors. Includes basic biological and chemical principles as well as concepts from ecology, earth science, and conservation biology. Discussion of the impact of industrial society on the quality of our environment (land, air, water, and natural ecosystems). Laboratory included. (Students who have completed Biology 120 and 121 may drop the laboratory portion of this course.)

4 (or 3) Credits. Fall.

S.L. Cooper

Biology 115. Introduction to Ornithology.

Introduction to classical ornithology for non-science majors. Study of the form, function, and diversity of birds. Lecture topics cover avian anatomy, physiology of flight, evolution, classification, behavior, and ecology. Laboratory exercises and field trips focus on identification of local birds and introduce fundamental field techniques, especially those used in biodiversity surveys and experimental studies.

4 credits. Spring.

E. Potapov

Biology 120. General Biology I: Cell Biology, Evolution, and Genetics.

First part of two-term laboratory course (Bio 120/121) geared for biology majors and students interested in upper level biology courses. Includes study of biological molecules, cell structure, basic genetics, mitosis and meiosis, energy and metabolism (respiration and photosynthesis), evolutionary theory, phylogenetics, and an overview of the kingdoms of life. Laboratory included.

4 Credits. Fall.

A.F. Bryntesson and S.L. Cooper

Biology 121. General Biology II. Development, Physiology and Ecology.

Second part of two-term laboratory course (Bio 120/121) geared for biology majors and students interested in upper level biology courses. Introduction to animal and plant development, physiology and behavior, followed by an introduction to ecology and population biology. Laboratory included. Prerequisite: Biology 120.

4 Credits. Winter.

A.F. Bryntesson and S.L. Cooper

Biology 140. Caribbean Marine Biology.

Short course in tropical marine ecosystems including a 7-10 day field trip to the Caribbean. The class will SCUBA dive around coral reefs and ship wrecks to investigate the organisms in these areas. Students keep a journal of their observations and provide a final report. SCUBA certification required (satisfied by PE 140). Biology 120 and 121 recommended. Special and substantial charge to defray expenses is necessary for enrollment.

2 Credits. (Not offered 2007/08.)

Staff

Biology 210. Vertebrate Anatomy.

Vertebrate form in the context of the evolutionary model. Anatomy of the human contrasted with other vertebrates, with attention to the integration of form and function at all organizational levels. Laboratory included. Prerequisite: Biology 121.

4 Credits. (Not offered 2007/08.)

Staff

Biology 220. Human Physiology.

General study of function in human systems through organizational levels from the molecular to the organismic. Particular emphasis on control mechanisms and homeostasis. Prerequisite: Biology 121.

3 Credits. (Not offered 2007/08.)

A.F. Bryntesson

Biology 230. Genetics.

Study of the process of heredity at a more advanced level than Biology 120. A problem-solving, seminar-oriented course integrating principles of evolution, classical Mendelian genetics, and the molecular biology of the gene. Prerequisite: Biology 120.

3 Credits. Fall.

A.F. Bryntesson

Biology 232. Cell Structure and Function.

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 121 and Chemistry 110.

3 Credits. Spring.

A.F. Bryntesson

Biology 235. Ecology.

Study of the physical, chemical, and biological processes that determine the distribution and abundance of plants and animals. Energy flow, food webs, adaptation of species, population dynamics, species interactions, nutrient cycling, and ecological succession. Prerequisites: Biology 120 and 121 and Mathematics 140 or 150.

3 Credits. (Not offered 2007/08.)

S.L. Cooper

Biology 240. Botany.

Introductory study of plant diversity, form, and function. Topics include evolution, classification, structure, reproduction, development, and physiology in plants. Laboratory included. Prerequisite: Biology 120 and 121.

4 Credits. (Not offered 2007/08.)

S.L. Cooper

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. Prerequisite: Biology 120 and 121.

3 Credits. Spring.

A.F. Bryntesson

Biology 310. Molecular Genetics.

Introduction to nucleic acid structure, function, and chemistry; molecular genetics; DNA replication, repair and recombination; mechanism and control of DNA, RNA, and protein synthesis; and control of cell growth and division. Prerequisites: Biology 230 and Chemistry 210.

3 Credits. Winter.

A.F. Bryntesson

Biology 315. Principles of Biochemistry (Chemistry 315).

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

3 Credits. (Not offered 2007/08.)

A.J. Bedford

Biology 335. Limnology.

Lakes, ponds, and streams; their origin, development, geochemistry, energy balance, productivity, and the dynamics of plant and animal communities. Prerequisites: Biology 235, Chemistry 111, and Math 140.

3 Credits. (Not offered 2007/08.)

S.L. Cooper

Biology 340. Marine Ecology.

Factors that influence the distribution, abundance, and diversity of marine organisms. Topics include physical characteristics of marine and coastal habitats, larval recruitment, and community interactions. Habitats include rocky shore, tidal flats, beaches, mangrove, subtidal areas, estuaries, and coral reefs. Prerequisites: Biology 235 (Ecology), and Chemistry 111.

3 Credits. (Not offered 2007/08.)

S.L. Cooper

Biology 345. Plant Physiology.

Structure and function of basic cell types, tissues, and organs of vascular plants. Photosynthesis, respiration, water balance, reproduction, and responses to special environments. Prerequisites: Biology 240, Chemistry 111 and 210.

3 Credits. (Not offered 2007/08.)

S.L. Cooper

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 232, and Chemistry 210.

3 Credits. (Not offered 2007/08.)

A.F. Bryntesson

Biology 360. Environmental Science.

Study of local, regional, and global environmental issues primarily from a biological and chemical perspective. May include issues of environmental policy and economics,

engineering, and ethics. Course project and presentation required. Prerequisites: Biology 235, Chemistry 111, and Philosophy 111.
3 Credits. (Not offered 2007/08.) *S.L. Cooper*

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. Pre- or co-requisites: Biology 230 and 232.
2 Credits. (Not offered 2007/08.) *A.F. Bryntesson*

Biology 375. Biological Laboratory Techniques: Ecology.

Junior level biology laboratory course supporting Biology 235, 335, 340, and 360. Topics include various methods of field and aquatic sampling for soils, sediments, plants, and animals; algae, plant, and invertebrate identification using taxonomic keys; laboratory and data analyses of soils, sediments, community structure, and diversity. Laboratory reports and scientific writing skills integral. Pre- or co-requisite: Biology 235.
2 Credits. (Not offered 2007/08.) *E. Potapov*

Biology 490, 491, 492. Biology Seminar.

Broadened exposure to active areas of biology and current ethical issues. Seminar attendance expected of all students in the biology major. Juniors and seniors take the seminar for credit. Open also to juniors and seniors in the ID major who are studying biology.
1 Credit per term. Fall, Winter, Spring. *A.F. Bryntesson and S.L. Cooper*

Biology 495. Senior Project.

Independent research project or scholarly study under the supervision of a faculty member. Topic chosen by mutual agreement between student and supervisor. Limited to and required of biology majors. Senior project proposals are required in Spring of Junior year.
3 Credits. *Staff*

Biology Internships

Biology 298 and 398. Biology Internships.

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

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, the periodic table, classifications of matter, stoichiometry, reactions in solution, gases, and thermochemistry. First half of sequence with Chemistry 111. Prerequisite: one year of high school chemistry or Earth Science 110. Laboratory included.

4 Credits. Winter.

A.J. Bedford

Chemistry 111. General Chemistry II.

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

4 Credits. Spring.

A.J. Bedford

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, haloalkanes, 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.

4 Credits. Fall.

A.J. Bedford

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.

4 Credits. Winter.

A.J. Bedford

Chemistry 315. Principles of Biochemistry (Biology 315).

(See Biology 315.)

Earth Science

Earth Science 105. Geographical Information Systems.

Laboratory course using geographical information systems including ArcView and virtual globe software.

2 Credits. Pass/Fail. Winter.

E. Potapov

Earth Science 110. Introduction to Physical Geology and Meteorology.

Introduction to mineralogy; igneous, sedimentary, and metamorphic petrology; and structural geology. The evolution of continents. The atmosphere and atmospheric motion.

Laboratory included.

4 Credits. Winter.

E. Potapov

Physics**Physics 210. Principles of Physics.**

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

4 Credits. (Not offered 2007/08.)

Staff

Physics 211. Principles of Physics.

Continuation of Physics 210. Electromagnetism, optics, and introduction to modern physics. Co-requisite or Prerequisite: Math 151 and Physics 210. Laboratory included.

4 Credits. (Not offered 2007/08.)

Staff

Science Education**Science 290. Science Education Project.**

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

1 Credit. (Not offered 2007/08.)

A.J. Bedford

Mathematics

Mathematics is a discipline that involves the complementary mental processes of abstraction and application. Pure mathematics seeks to express various logical structures in terms of axioms and, using the tools of logic, to derive new insights and conclusions. Applied mathematics uses the developed logical structure to make precise statements about the natural and, to some extent, the surrounding social world.

The study of mathematics is essential for those wishing to pursue careers in engineering, physics, chemistry, biology, and related natural sciences. Furthermore, the social science and business domains view mathematical modeling as an increasingly vital aid in the decision-making process.

Mathematics 100. Introduction to Quantitative Reasoning.

Introduction to mathematical concepts to improve basic skills in computation, algebra, graphing, and quantitative applications. This course prepares students for Mathematics 115, 130, 135, in addition to other courses involving quantitative reasoning. Topics include polynomial equations, function notation, graphing, translation to word problems, basic combinatorics and probability, interpreting and presenting data.

3 Credits. Fall.

N. Simonetti

Mathematics 115. College Algebra.

Algebraic topics designed to assist in the use of mathematics in science courses. Topics include systems of linear equations, exponents and radicals, rational expressions, inequalities, complex numbers, polynomial analysis and advanced factoring, rational functions and asymptotes, and quantitative reasoning applications. Prerequisite: Mathematics 100 or appropriate score on placement test.

3 Credits. Winter.

N. Simonetti

Mathematics 125. Transcendental Functions.

Investigation of transcendental functions with applications, useful in preparing students for calculus. Topics include exponential and logarithmic functions, trigonometric functions and identities, inverse functions, and quantitative reasoning applications. Prerequisite: Mathematics 115 or appropriate score on placement test.

3 credits. Spring.

N. Simonetti

Mathematics 130. Introduction to Statistics.

Introduction to data analysis, random variables and their distributions, and statistical inference. Use of current statistical software. Independent research project. Recommended for students of business, education, or the social and natural sciences. Prerequisite: 2 years of high school algebra or Mathematics 100.

3 Credits. Spring.

C.W. Lindsay

Mathematics 135. Introduction to Discrete Mathematics.

Introduction to mathematical concepts of a discrete nature, including logic, combinatorics, probability, mathematical induction, graph theory, and Monte Carlo methods. Recommended for students of education or the social and natural sciences. Prerequisite: 2 years of high school algebra or Mathematics 100.

3 Credits. Winter

N. Simonetti

Mathematics 140. Elements of Calculus.

Derivatives with applications, exponential function, integration with applications, and functions of several variables. Recommended for students of business, social sciences, or education. Prerequisite: 4 years high school mathematics or Mathematics 110 or 120.

3 Credits. Spring.

C.B. Bongers

Mathematics 150. Calculus I.

Limits, differentiation, maxima-minima, integration with applications, transcendental functions. Prerequisite: Competency in analytic geometry & trigonometry.

4 Credits. Fall.

Staff

Mathematics 151. Calculus II.

Methods of integration, vector functions and derivatives, polar functions, and infinite series. Prerequisite: Mathematics 150.

4 Credits. Winter.

N. Simonetti

Mathematics 230. Linear Algebra.

Vector spaces, matrices, linear transformations, systems of linear equations, determinants, and eigenvalue problems. Introduction to mathematical proofs. Prerequisite: Mathematics 135, 150 or grade of B in Mathematics 110.

3 Credits. Fall.

Staff

Mathematics/Computer Science 235. Discrete Structures.

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

3 Credits. Spring.

N. Simonetti

Mathematics 250. Calculus III.

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

4 Credits. Spring.

N. Simonetti

Mathematics 311. Ordinary Differential Equations.

Prerequisite: Mathematics 151.

3 Credits. (Not offered 2007/08.)

N. Simonetti

Mathematics 315. Introduction to Probability Theory.

Probability spaces, random variables, moments, transformations and moment-generating functions, conditional distributions, and central limit theorems. Prerequisite: Mathematics 151, and 230.

3 Credits. (Not offered 2007/08.)

N. Simonetti

Mathematics/Computer Science 320. Mathematical Modeling and Simulation.

Introduction to probability, development of mathematical models and computer programs for various areas of scientific and engineering application. Prerequisites: Mathematics 151 and 230 and competence in programming.

3 Credits. (Not offered 2007/08.)

Staff

Mathematics and Science

89

Mathematics/Computer Science 321. Introduction to Numerical Methods.

Finite differences, interpolation, solutions of equations, numerical integration, curve fitting, linear equations, numerical solution of differential equations. Prerequisite: Mathematics 152 and competence in programming.

3 Credits. (Not offered 2007/08.)

Staff

Mathematics 340. Modern Algebra.

Introduction to the abstract concepts of groups, rings, and fields. Prerequisite: Mathematics 230 or 235.

3 Credits. (Not offered 2007/08.)

N. Simonetti

Mathematics 360. Advanced Calculus.

Formal definitions of limits, continuity, differentiation and integration. Prerequisite: Mathematics 152 and 230.

3 Credits. (Not offered 2007/08.)

N. Simonetti

Computer Science

Computer Science 105. Introduction to Information Processing Systems.

Overview of a variety of systems, languages, and applications. Introduction to programming.

3 Credits. Spring.

Staff

Computer Science 160. World Wide Web Development.

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

3 Credits. Spring.

G.F. Bongers

Computer Science 180. Structured Programming.

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

3 Credits. Fall.

Staff

Computer Science 210. Additional Languages.

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

Credit variable. Offered for sufficient demand.

Staff

Computer Science 220. Introduction to Data Structures.

Stacks, Queues, Linked Lists, Trees, Heaps, Sorting, Searching, Complexity, Dynamic programming. Prerequisite CS 180.

3 Credits. (Not offered 2007/08.)

N. Simonetti

Computer Science 240. Computer Organization and Architecture.

Fundamental concepts of computer structure and components, information representation, Assembly language programming, and performance as a function of architecture. Prerequisite: Computer Science 220 or permission of instructor.

3 Credits. (Not offered 2007/08.)

N. Simonetti

Mathematics/Computer Science 235. Discrete Structures.

(See Mathematics 235.)

Mathematics/Computer Science 320. Mathematical Modeling and Simulation.

(See Mathematics 320.)

Mathematics/Computer Science 321. Introduction to Numerical Methods.

(See Mathematics 321.)

PHYSICAL EDUCATION

The physical education courses provide a broad and balanced program that helps students develop and maintain fitness of mind, soul, and body, thereby enabling a useful life in this world and the next.

The courses listed as Physical Education 101, 110, 111, 120, 121, 127, 130, 133, 140, 183, 222, 230, and 253 are *curricular* courses and are timetabled for those who register for them. The courses listed as Physical Education 115, 116, 123, 124, 125, 135, and 136 are *team activities* with scheduled practices and intercollegiate or club league contests. Students wishing to play these latter team activities must have a sports physical examination (see athletics website for forms) and must register either for credit or to audit the appropriate course, in the usual manner. Each course earns 1.5 credits. Physical Education 230 and 253 are 3 credits. All P.E. courses receive letter grades.

Requirements: The satisfactory completion of a minimum of two terms of Physical Education fulfills the perspectives core requirement. All credit earned beyond the requirement, as described above, will be recorded on the transcript, provided that the student was properly registered for the course. P.E. courses (except P.E. 101 and 253) may be retaken for credit.

Physical Education 101. Health.

Study of health as a way of life and state of awareness. Connections between mind, body, and spirit. Nutrition, stress management, mental health, a range of medical traditions, sexuality, etc. Guest lecturers from professional health fields. (Co-ed)

1.5 Credits. Spring.

H.J. Bryntesson

Physical Education 110. Tennis.

Instruction in basic and intermediate individual skills. Practice in singles and doubles tennis play, including game strategy, rules, and etiquette. *Minimum* of 4 students. (Co-ed)

1.5 Credits. Fall.

H.J. Bryntesson

Physical Education

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Physical Education 111. Running and Walking for Fitness and Fun.

A range of walking/running activities tailored to all abilities. Students required to run/walk three times a week in scheduled class time and to keep an exercise log.

1.5 Credits. Spring.

H.J. Bryntesson

Physical Education 115. Intercollegiate Men's Soccer.

Attendance and participation in both practice and contests required. All players must register either for credit or to audit the course in the usual manner.

1.5 Credits. Fall.

E.F. Steiner

Physical Education 116. Intercollegiate Women's Volleyball.

Attendance and participation in both practice and contests required. All players must register either for credit or to audit the course in the usual manner.

1.5 Credits. Fall.

D.G. Rose

Physical Education 120. Physical Fitness.

Student-designed individual program based on theoretical and practical fitness concepts. Workouts during class twice a week in the fitness center. Cardio-vascular element required.

1.5 Credits. Winter.

H.J. Bryntesson

Physical Education 121. Contemporary Modern Dance.

A technique class suitable for both beginner and intermediate students. Healthy physical workout while developing knowledge of contemporary modern dance as an art form.

1.5 Credits. Fall.

K.F. Kearns

Physical Education 123. Indoor Soccer.

Attendance and participation in both practice and contests required. All players must register either for credit or to audit the course in the usual manner. (Co-ed)

1.5 Credits. Winter.

E.F. Steiner

Physical Education 124. Intercollegiate Badminton.

Attendance and participation in both practice and contests required. All players must register either for credit or to audit the course in the usual manner. Prerequisite: Physical Education 130 or permission of the coach. (Co-ed)

1.5 Credits. Winter.

A.I. Smith

Physical Education 125. Men's Intercollegiate Ice Hockey.

Attendance and participation in both practice and contests required. All players must register either for credit or to audit the course in the usual manner.

1.5 Credits. Winter.

L. Wheatley

Physical Education 127. Kickboxing.

Basic instruction in a power-punching, non-choreographed martial arts workout. Emphasis on proper technique and execution of skills. Each class includes a total body warm-up, a

cardiovascular workout, strength training, and cool-down/stretching period. Adaptable to any lifestyle, body type, age, or fitness level. (Co-ed)
1 .5 Credits. Spring. *Staff*

Physical Education 130. Badminton and Archery.

Basic instruction in skill techniques, rules, strategies, and competition in both badminton (5 weeks) and archery (5 weeks). Enrollment limited to eighteen students. (Co-ed)
1.5 Credits. Fall. *A.I. Smith and F. Reinprecht*

Physical Education 133. Yoga/T'ai Chi Ch'uan.

Introduction to Yoga (5 weeks) and T'ai Chi (5 weeks). Fitness for the whole person. Power Yoga (ashtanga) emphasizes balance, breathing, focus, strength and flexibility, and connection between body and spirit. T'ai Chi emphasizes balance, posture, visual and mental concentration, breath control, and complete relaxation. (Co-ed).
1.5 Credits. Winter. *M. Synnestvedt and K.F. Kearns*

Physical Education 135. Intercollegiate Men's Lacrosse.

Attendance and participation in both practice and contests required. All players must register either for credit or to audit the course.
1.5 Credits. Spring. *J.S. King*

Physical Education 136. Intercollegiate Women's Lacrosse.

Attendance and participation in both practice and contests required. All players must register either for credit or to audit the course.
1.5 Credits. Spring. *P. Rose*

Physical Education 140. Basic SCUBA Diving and Dive Physiology.

Provides the training necessary to dive safely and independently. Includes 20 hours of pool time, 25-30 hours in the classroom, and four open-water checkout dives over two days for certification by the National Association of Underwater Instructors (NAUI). The course expands upon NAUI-required subjects such as dive physiology, underwater environment, marine life, first aid, and CPR training. Space is limited and a special fee of approximately \$350 covers equipment and pool rental cost. Students must demonstrate intermediate swimming skills to register for the course. (Coed)
3 Credits. (Not offered 2007/08.) *Staff*

Physical Education 183. Independent Study.

Individualized program open to students who have medical reasons for deferment which preclude their participation, or to students who are unable to participate in the regular curriculum. Prerequisite: consent of director of Physical Education and Athletics.
1.5 Credits. *H.J. Bryntesson*

Physical Education 222. Hip-Hop Dance.

Intermediate/Advanced course in jazz with an emphasis on hip hop. Students learn advanced technique and develop creativity, flexibility, coordination, and rhythm while

dancing to popular music with a positive message. Student choreography projects and a public performance. Prerequisite: Physical Education 121.

1.5 Credits. Winter.

J.E. Bostock

Physical Education 230. Coaching

Coaching a minimum of three high school or elementary school sessions per week for the duration of the season. Attend all games. Students required to keep a training diary of coaching plans, performance evaluations, and weekly targets. Prerequisite: consent of head coach and head of division.

3 Credits.

H.J. Bryntesson

Physical Education/Education 253. Teaching Physical Education.

Theory and approaches to teaching health, physical education, and dance (K-8). Focus on learning objectives and lesson and curriculum planning appropriated to child development. Some teaching in the Bryn Athyn Church School.

3 Credits. Winter.

H.J. Bryntesson

DIVISION OF RELIGION AND SACRED LANGUAGES

Religion

Religion 101. Introduction to New Church Doctrines.

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. Fall.

Staff

Religion 102. Introduction to New Church Doctrine on Life after Death.

Follow-up of Religion 101, but may be taken independently. New Church teachings on the life after death studied in their own context and the context of the history of eschatology.

3 Credits. Winter.

R.J. Silverman

Religion 105. God, Man, and Creation.

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 order, influx, degrees, forms of use, and correspondence. Form and operation of spiritual thinking. Text: *Divine Love and Wisdom*.

3 Credits. Fall, Winter.

W.E. Orthwein and P.A. Rogers

Religion 110. Systematic Theology.

A comprehensive overview of New Church doctrine and a comparison with the doctrine of other Christian denominations. Emphasis on core principles such as faith, charity,

Religion and Sacred Languages

forgiveness, repentance, regeneration, the Word, the Lord, and the life after death. Presupposes a moderate familiarity with New Church teachings.
3 credits. Fall. *Staff*

Religion 123. Introduction to the Old and New Testaments.

Introduction to the various parts of the Bible, the history of the Israelites and Jews, the geography of Palestine, the different methods of biblical interpretation, and the major positions of interpretation. Emphasis on New Church views.
3 Credits. (Not offered 2007/08.) *S.D. Cole*

Religion 125. The Holy Scripture.

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. Spring. *S.D. Cole*

Religion 160. Evangelization.

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

Religion 171. Moral and Spiritual Life.

Various approaches to morality. The spiritual foundation of moral virtues and moral living. Consideration of civil, moral, and spiritual questions dealing with both individual and institutional conduct, such as revolution and the rule of law, the relation of church and state, spiritual and natural freedom, war, race relations, ethics in business and labor, the use of alcohol and drugs, responsibility for others.
3 Credits. (Not offered 2007/08.) *R.J. Silverman*

Religion 172. Perspectives on the Decalogue.

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. Winter. *R.J. Silverman*

Religion and Sacred Languages

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Religion 193. Comparative Contemporary Religions.

Survey of religions in the United States today. What religion is, how the Lord views a multiplicity of religions, the human/cultural/social sides of religion, the rise of religious intolerance and fundamentalism, religious dialogue. Religions studied include Native American religion, Judaism, Roman Catholicism, various Protestant denominations, religions of the 19th century (Mormonism, Christian Science), Islam, Hinduism, and Buddhism.

3 Credits. Spring.

R.J. Silverman

Religion 210. Divine Providence and Human Prudence.

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. Winter.

W.E. Orthwein

Religion 215. The Lord.

Introduction to the New Church teachings about the Lord, His love and accommodation. The Incarnation. The steps and states of the Lord's life from infancy to the resurrection. His glorified Humanity and presence today. The primary focus is on the direct teachings in the doctrines, and on seeing the Lord in the Gospel accounts and in the Hebrew scriptures.

3 Credits. Winter.

G.H. Odhner

Religion 220. The Torah.

Intensive study of Genesis to Deuteronomy in their historical and cultural context. Discussion of translations, certain critical theories, and other related ideas. Treatment of the literal meaning in relation to its higher meanings and other doctrinal considerations. The history of the canon of the Old and New Testaments.

3 Credits. Fall.

S.I. Frazier

Religion 221. The Histories and Prophets of the Old Testament.

Intensive study of Joshua to 2 Kings, Psalms, and Prophets viewed in their historical and cultural context. Special attention to prophecies of the Lord's advent in Psalms and the Prophets.

3 Credits. (Not offered 2007/08.)

S.I. Frazier

Religion 222. The Gospels.

Survey of the Four Gospels with attention to similarities and distinctions, historical context, and relationship to the Old Testament, Acts, Epistles, and Revelation. Special attention to the nature of the First Advent and the testimony concerning Jesus Christ.

3 Credits. (Not offered 2007/08)

S.I. Frazier

Religion 223. The Apocalypse.

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. Winter. *A.M.T. Dibb*

Religion 273. Religion and Marriage.

New Church doctrine concerning marriage and preparation for marriage. The nature of man and woman, and their spiritual fulfillment in the married relationship. Children and their place in marriage. Responding to states of discord, coldness, and other problems in marriage. Adultery and other sexual disorders. Consideration of romantic passion, physical relations, birth control, repeated marriages, non-monogamous lifestyles, homosexuality. Text: *Conjugal Love*.
3 Credits. Fall. *R.J. Silverman*

Religion 278. Religion and the Home.

Study of the eight stages of a family from leaving one's home of origin to an eternal home in heaven. Focus on the spiritual and psychological tasks a couple needs to face at each stage. The uses of a family and the responsibilities of being a parent, including such issues as mental growth, discipline, sex education, and adolescent growth. Extensive reading from selected volumes of the Doctrines of the New Church and other sources including the work of Eric Ericson.
3 Credits. Spring. *W.E. Orthwein*

Religion 283. Pre-Christian Church History.

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. Fall. *S.D. Cole*

Religion 284. Christian Church History.

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. Fall. *A.M.T. Dibb*

Religion 295. Islam/History 295.

Study of Islam: Muhammad and the origins of Islam, the Qur'an and other Muslim literature, main theology and doctrine, outline of history of Islam, Muslim divisions, world-outlook and modern impact, both in the East and West. Comparison with New Church perspective.
3 Credits. Spring. *D.G. Rose*

Religion and Sacred Languages

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Religion 296. Eastern Religious/Philosophical Thought.

Introduction to the major Eastern religions and/or philosophies: Hinduism, Buddhism, Taoism, Confucianism, and Shinto. Includes a survey and brief examination of each tradition's origins, development, values, beliefs, and ceremonial practices. Comparison with Western thought in general and with New Church thought in particular.

3 Credits. Spring.

Staff

Religion 305. Universal Doctrines of the New Church I.

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

3 Credits. (Not offered 2007/08.)

Staff

Religion 306. Universal Doctrines of the New Church II.

Continuation of Religion 305. Faith. Charity. Free will. Repentance. Reformation and regeneration. Imputation. Baptism and the Holy Supper. The Second Advent. The New Church. Text: *True Christian Religion*.

3 Credits. (Not offered 2007/08.)

Staff

Religion 310. Studies in *Arcana Coelestia*.

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

3 Credits. Winter.

S.D. Cole

Religion 315. The Spiritual World.

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

3 Credits. Spring.

R.J. Silverman

Religion 320. The Last Judgment, the Second Coming, and the New Church.

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

3 Credits. (Not offered 2007/08.)

W.E. Orthwein

Religion 380. History of New Church Doctrine.

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

3 Credits. Fall.

W.E. Orthwein

Religion and Sacred Languages

Religion 490 and 491. Religion Senior Project.

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

3 Credits.

Staff

Religion Internships

Religion 298 Internship.

Opportunity for all students to be involved in the practical application of religion in a variety of settings beyond the classroom. Students may apply to the division head after two full terms of college study. May not be repeated for religion residency credit. See Internships.

Credit variable.

Staff

Sacred Languages

All courses are open to all years. 100-level courses are introductory; 200-level courses intermediate; and 300-level courses advanced.

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. Winter.

W.E. Closterman

Greek 111. Beginning New Testament Greek II.

Continuation of Greek 110. Prerequisite: Greek 110.

3 Credits. Spring.

W.E. Closterman

Greek 250. Readings In New Testament I.

Review of the Greek grammar, followed by translation of the Apocalypse and the Gospel of John. Prerequisite: Greek 110 and 111.

3 Credits. (Not offered 2007/08.)

W.E. Closterman

Greek 251. Readings in New Testament II.

Translation of the synoptic gospels (Matthew, Mark and Luke). Prerequisite: Greek 110 and 111.

3 Credits. (Not offered 2007/08.)

W.E. Closterman

Hebrew 110. Beginning Hebrew I.

Introduction to the language of the Old Testament. A study of the basic forms and syntax of Hebrew grammar, with graduated readings adapted from Genesis.

3 Credits. (Not offered 2007/08.)

S.I. Frazier

Religion and Sacred Languages

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Hebrew 111. Beginning Hebrew II.

Continuation of Hebrew 110, with graduated readings adapted from Genesis, Exodus, Deuteronomy, Joshua, Judges, and other books of the Old Testament.

3 Credits. (Not offered 2007/08.)

S.I. Frazier

Hebrew 250. Intermediate Hebrew.

Review of Hebrew grammar, followed by readings in the Old Testament with special attention to forms and syntax. Prerequisite: Hebrew 110 and 111.

3 Credits. Spring.

S.I. Frazier

Latin 110. Beginning Latin I.

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

3 Credits. Fall.

S.I. Frazier

Latin 111. Beginning Latin II.

Continuation of Latin 110. Prerequisite: Latin 110.

3 Credits. Winter.

S.I. Frazier

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. Prerequisite: Latin 110 and 111.

3 Credits. Winter.

S.I. Frazier

Latin 251. Swedenborg's Theological Latin II.

Continuation of Latin 250. Includes examination of original manuscripts and editions. Prerequisite: Latin 110 and 111.

3 Credits. Spring.

S.I. Frazier

Latin 360. Swedenborg's Philosophical Latin I.

Varied readings in the scientific and philosophical works from the period preparatory to Swedenborg's commission as revelator, with review of grammar as the need arises. Analysis of Swedenborg's style, methods of reasoning, and conclusions during this period. Prerequisite: Latin 250 and 251.

3 Credits. Tutorial. By arrangement.

Staff

Latin 361. Swedenborg's Philosophical Latin II. (Tutorial)

Continuation of Latin 360. Prerequisite: Latin 250 and 251.

3 Credits. By arrangement.

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 Religion & Sacred Languages: Stephen D. Cole

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