

BRYN ATHYN COLLEGE

*Academic Programs*

*Bulletin*

*2020-21*

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# Undergraduate Degree Programs

## Introduction

Bryn Athyn College offers a variety of liberal arts degrees as well as pre-professional degrees in education (BS), pre-nursing (AA), and building arts (AA and BA). Students can earn a four-year Bachelor of Arts (BA) degree in Biology, Building Arts, Business, English, Human Society, Mathematics, Psychology, Religion, and Interdisciplinary programs. Four-year Bachelor of Science (BS) degrees are offered in Biology and Education. Students may also earn a two-year Associate in Arts (AA) degree with any one of a variety of liberal arts emphases.

All of the degree programs rest on the Core Program, through which students build foundational skills, knowledge, and perspectives during their Bryn Athyn College education. Every liberal arts major requires the Core Program, and the Education major and the AA degree require a significant portion of the program.

## Core Program

The 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 the societies and workplaces of the 21st century.

## 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, with every course in the curriculum addressing, directly or indirectly, one or more of the following goals to:

- Strengthen written and oral communication.
- Strengthen information literacy and technology skills.
- Strengthen quantitative and scientific reasoning skills.
- Develop liberal arts skills in a focused field of study.
- Develop critical thinking skills across disciplines.
- Explore the diversity and commonality of human experience and values in order to enrich understanding of what is human.
- Nurture an inquiring spirit in the classroom, and well beyond, in relation to God, society, nature, and self.
- 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 worldview, liberal arts perspectives, and skills associated with the ways educated people participate in society.

## Core Requirements

In order to receive a liberal arts Bachelor's degree from Bryn Athyn College, students must fulfill both the skill proficiency requirements and the liberal arts perspectives requirements outlined below. Except for restrictions on liberal arts perspectives (see below), courses may be used to fulfill multiple requirements of the Core Program. Students may fulfill all Core requirements through completing a minimum of 46 credits. For information about transfer credits satisfying Core requirements, see the Student Handbook.

### Core Skill Proficiency Requirements

Skill proficiency requirements are in Experiential Education (EE), Information Literacy (IL), Public Presentation (PP), Quantitative Reasoning (QR), Writing (W), and Foreign Language or Programming. Students fulfill the EE, IL, PP, QR, W, and Foreign Language or Programming requirements by passing approved skill courses. The specific skill-area requirements follow.

### Experiential Education (EE)

Experiential education combines academic instruction, meaningful service, and outside-the-classroom experience to enhance students' learning and civic responsibility. Students complete two courses with a certified Experiential Education Component (EEC), or any Experiential Education (EE) offerings totaling at least one credit. These EE offerings include internships, service projects, and designated EE courses listed below. The Core Program requires every baccalaureate graduate to complete a minimum of one credit in experiential education for graduation.

For 100-200 level internships and service projects contact: Laura Nash, *Director of Experiential Education*

#### Courses with an Experiential Education Component (EEC)

Passing **two** of any of the following EEC offerings fulfills the Core EE requirement:

- Dance performance classes or Theater 150

#### Experiential Education (EE) Courses

Passing any **one** of the following EE offerings fulfills the Core EE requirement:

- Internships: Any major field or EE 198, 298, 398, or 498 Internship
- Education 225, 402; Leadership 130; Music 101; Psychology 285, 341; Theater 120, 130, 250
- Participation in a Bryn Athyn College supported service project

### Information Literacy (IL)

Information Literacy is the ability to locate, evaluate, and use information effectively.

All students must pass **two** of the following Information Literacy certified courses:

- Writing 202 or any IL-certified course
- A second IL-certified course (see list below)



### IL-Certified Courses

- Biology 380/490 (combination); Business 390; English 360, 367; Fine Arts 101, 102, 201, 202, 210; History 114; Human Society 401; ID 390; Math 205; Psychology 305, 490; Religion 205, 210, 380; Writing 202.

### **Public Presentation (PP)**

Public Presentation involves verbally communicating a message or an address to a group of people.

*All students must pass **one** of the following PP-certified courses.*

### PP-Certified Courses

- Biology 380; Business 301; Business/Psychology 202; Communication 105, 205; Education 128; History 257; Political Science 210; Psychology 205; Religion 320; Glencairn and Cairnwood public tour guide internships.

### **Quantitative Reasoning (QR)**

Quantitative reasoning applies mathematical concepts and skills to solve problems.

*All students must pass **two** of the following QR certified courses.*

### QR-Certified Courses

- Business 320; Business/Mathematics 380; Chemistry 111; Economics 131, 132; Math 101, 102, 115, 120, 124, 125, 130, 140, 240; Mathematics/Computer Science 230; Physics 180, 181, 210, 211.

*Note: Students who do not place out of Mathematics 101 with a sufficient SAT score or placement test score must complete Mathematics 101 (an introductory QR course) before taking any other QR course.*

### **Writing (W)**

This skill involves the ability to present an effective analysis, argument, report, or composition in written form.

*All students must pass **all** of the following writing evaluations:*

- Writing 101 (first year)
- Writing 202 (second year)
- Any **one additional** writing-intensive course from the list below
- The writing component of the capstone project

### Writing-Intensive Courses:

- Anthropology/History 211; Business/Writing 220, English 235, 255, 370; Political Science 232; Religion 273W, 306, 310, 311, 315, Writing 211, 212, 213, 311.

## **Foreign Language or Programming**

This skill area involves interpreting and using a symbolic system outside of one's native language.

*All students must fulfill this requirement by passing one of the below:*

- Any modern or sacred foreign language through the second term of the 100-level
- At least one credit in Computer Science at the 200-level.

## Foreign Language Waivers

Students are eligible to receive waivers for the foreign language requirement by any of the following means:

- Language Placement test administered and evaluated by BAC Language and Literature Department faculty. These tests are available in French, German, or Spanish.
- AP Foreign Language test score of 3 or higher
- CLEP Foreign Language test score of 50 or higher
- SAT II Foreign Language Subject Test score of 520 or higher
- IB (International Baccalaureate) test score of 4 or higher
- A qualifying TOEFL score (international students only)
  - 520 or higher (paper)
  - 190 or higher (computer-based)
  - 70 or higher (internet-based)
- IELTS score of 5.5 or higher (international students only)
- Attendance of at least 3 years in or graduation from a High School in which English is not the main language.
- Documentation of appropriate-level proficiency from another accredited institution.
- Documentation of appropriate-level proficiency through the Oral or Written proficiency tests (OPI, OPIc, or WPI) offered by the American Council of Foreign Language Teachers (ACTFL). See the Core Committee Chair for more details.

In addition to the above options, students who have proficiency in a language not offered at Bryn Athyn College may request a waiver for the foreign language requirement based on assessment by a qualified authority. In order to do so, students must follow the procedure outline in the BAC Foreign Language Independent Assessment Instructions form. See the Core Committee Chair for more details.

## **Core Liberal Arts Perspectives Requirements**

All students must fulfill the perspective requirements by completing the designated number of course credits in each area listed below. Credit applied to fulfill one perspective may not be used to fulfill another perspective. Internships do not fulfill Core perspective requirements but do fulfill the experiential education requirements of the Core Program.

### Aesthetic

Communications 130, Communications 230, Writing 211, Writing 212, or any dance, English (literature), fine arts, music, or theater course of three or more credits.

### Civil

Any course with a primary focus on civic engagement of three or more credits from the following list: Philosophy/Political Science 220, Political Science 101, or Political Science 211.

### History

Any history course of three or more credits.

### Social Sciences

Any anthropology, business (not 141, 142, or 320), economics, geography, political science, psychology, or sociology course of three or more credits providing insight on human society.

### Moral

Any course with a primary focus on fostering personal ethics of three or more credits from the following list: Business 301, Education 202, Philosophy 111, Philosophy 340, or Psychology 341.

### Physical

Any dance or physical education courses totaling two credits promoting physical fitness, skill, kinesthetic awareness, sportsmanship, and/or health. Students who fully participate in intercollegiate athletic seasons may apply to receive a one PE credit waiver for each full season played.

### Scientific

Any 4-credit lab-lecture course in biology, chemistry, earth science, or physics. One of the four credits must be a lab credit and must be paired with its intended lecture.

### Spiritual

Any combination of religion courses that add up to at least 12 credits. At least 6 credits must be in doctrinal courses and three of these doctrinal credits must be 200-level or above.

### Worldviews

Any three-credit course focusing on human experience and values from the following list: Education 201, English 110, Philosophy 102, or Psychology 102.

## Associate in Arts Degree

The associate in arts (AA) is a two-year liberal arts degree. The AA is not a prerequisite for a Bachelor of Arts (BA) or Bachelor of Science (BS) degree at Bryn Athyn College and is designed for students who are leaving Bryn Athyn College before completing a BA/BS. Therefore, students qualifying for a BA/BS may not also receive an AA (with the exception of the pre-professional AAs). For students planning to complete degrees elsewhere, the AA degree can be a good guide for course selection.

### General Graduation Requirements for AA Degree

- A total of 62 credits. Of the 62 credits required for the AA, a minimum of 31 must be Bryn Athyn College credits and the last 27 must be in residence. *Note: Exceptions will be made in the final 27 credit requirement for those students in approved internships or approved courses or programs at other institutions.*
- Attendance at the College for at least three full-time terms
- A cumulative GPA of 2.00 or better
- The completion of the Core Requirements outlined below
- The completion of the Core Skill Requirements outlined below
- The completion of the Emphasis Requirements outlined below

### Core Requirements for AA Degree

*Note: Core requirements may overlap with emphasis requirements.*

1. Religion (including service and religion internships)	9 credits
2. Moral or Civil course Note: Six credits must be in religious doctrine	3 credits
3. Worldviews	3 credits
4. Writing 101 and 202	6 credits
5. Fine Arts, Music, Theater, Dance, or Literature Note: Dance credits fulfilling requirement #5 may not also fulfill #8 and vice versa	3 credits
6. Science Note: Includes Biology, Chemistry, Earth Science, Physics	4 credits
7. History or Social Science Note: May overlap with Moral/Civil	3 credits
8. Physical Education or Dance Note: Dance credits fulfilling requirement #5 may not also fulfill #8 and vice versa	1 credit
<b>Total</b>	<b>32 credits</b>

## Additional Core Skill Requirements for AA Degree

- Completing one course in QR and one course in either PP or IL.

## Emphasis Requirements for AA Degree

All students must choose one emphasis from the list below and meet the corresponding requirements listed.

### Arts:

- Nine credits in dance, fine arts, music, or theater, with at least three credits at the 200+level
  - At least three of these credits must be in art history

### Biology:

- Biology 122 and Biology 123 or equivalent AP credit
- Three credits in biology at the 200-level or higher
- Any three credits physical science or mathematics

### Business

- Business 141
- Economics 131 or Economics 132
- Business 254, Business 256, or Business 257
- Any additional three credit course in Business, Communications, or Economics at the 200+ level

### Education:

- Nine credits in education with at least three credits at the 200+level

### English Literature:

- Six credits of English literature beyond Writing 101 and Writing 202

### History:

- Nine credits in history with at least three credits at the 200+level

### Language (any):

- Six credits in a single language at the 200+level

### Mathematical Sciences:

- Mathematics 150 and Mathematics 151 or equivalent AP credit
- Three credits of computer science or mathematics at the 200+level

### Philosophy:

- Philosophy 101, Philosophy 102, and Philosophy 111
- Three credits of Philosophy at the 200+level

### Psychology:

- Nine credits in psychology with at least three credits at the 200-level or higher

### Religion:

- 15 credits in Religion with at least six credits at the 200+level
- At least three credits in scriptural religion and at least three credits in comparative religion
- Courses used to meet residency requirements may be used to fill these requirements
- Core requirements must include both a moral course and a civil course

### Social Science:

- Nine credits in anthropology, economics, geography, political science, psychology, or sociology
  - With at least three credits at the 200+level

## Core Requirements for Pre-Professional AA Programs:

1. Religion (including service and religion internships. Six credits must be in religious doctrine)	9 credits
2. Writing 101	3 credits
3. One QR course	3 credits
4. Coverage: at least 3 credits in any three core disciplines beyond religion (moral, civil, aesthetic, history, science, social science, worldview, physical education)	9 credits
<b>Total:</b>	<b>24 credits</b>

The above requirements are embedded in the pre-professional AA program and are not in addition to the requirements of the pre-professional AA. The QR course may overlap with any other requirement. Dance may count toward aesthetic requirement or physical education requirement, but not both. A pre-professional AA requires completion of 62 credits. Students may earn a pre-professional AA in the same year that they earn a baccalaureate.

## Building Arts AA Requirements (a pre-professional AA program):

### Core Courses:

1. Three religion courses (9 credits)	9 credits
2. Math101 (or placement out of Math 101)	0 or 3 credits
3. Writ101	3 credits
4. Econ131 (Macroeconomics) or Economics 132 (Microeconomics) (QR course)	3 credits
5. Hist211 (Artifacts, Archaeology, and Museums), Hist270 (Archives Theory) or FA/Hist271 (Intro to Historic Preservation)	3 credits
<b>Total:</b>	<b>18-21 credits</b>

**Program-Specific Lecture Courses:**

FA 102 or FA 112/212 (Art History) 3 credits

FA 204 (Building Materials) 3 credits

FA 213 (Bryn Athyn's National Historic Landmarks) 3 credits

**Total: 9 credits**

**Program-Specific Studio & Practice Courses:**

FA 122 (Forging) 3 credits

FA 128 (Stained Glass) 3 credits

Two of FA 120 (Metals), FA 130 (Ceramics), or FA 126 (Stone Carving) 6 credits

FA 140 (Drawing and Painting) 3 credits

FA 141 (Building Arts Foundation) 3 credits

FA 198 (Internship, on campus) 2 credits

FA 228 (Stained Glass), or FA 222 (Forging), or 200 level stone carving internship 3 credits

FA 232 (CAD) 3 credits

FA 298 (Internship in Forging, Stained Glass, or Stone Carving) 2 credits

FA 299 (Independent Study in Forging, Stained Glass, or Stone Carving) 3 credits

**Total: 31 credits**

***Total Program Requirement: 62 credits***

## Pre-Nursing Program

Bryn Athyn College's Pre-Nursing Program is run in partnership with the Jefferson Nursing School of Thomas Jefferson University in Philadelphia, leading to a baccalaureate in nursing degree (BSN) from Jefferson. Students enrolled in the program spend the first two years completing core science requirements at Bryn Athyn College, followed by two years of nursing curriculum at Jefferson. Students may choose from two program options: a dual-admission program for high school seniors who apply simultaneously to Bryn Athyn College and Jefferson Nursing School; and a transfer option for students enrolled at Bryn Athyn College who desire to apply for a transfer to Jefferson.

### Admission Requirements for the Pre-Nursing Program

- Dual Admission Program: Simultaneous application to Bryn Athyn College and Jefferson School of Nursing
- Transfer Option: Application to Jefferson School of Nursing

### Application to the Pre-Nursing Program requires:

- Dual admission applicants must have an overall high school GPA of 3.0 and an SAT score of 1000 (Reading and Math sections only).
- All applicants must complete the required program courses at Bryn Athyn College with an overall GPA of 3.0 and grades of "C" or better in all required program courses prior to transfer to Jefferson.

### Course Requirements for Pre-Nursing Program

- Introduction to Biology sequence (Biology 122/123)
- Anatomy and Physiology I & II (Biology 210/220)
- Microbiology (Biology 250)
- General Chemistry I & II (Chemistry 110/111)
- Statistics (Mathematics 130)
- Introduction to Psychology (Psychology 101)
- Abnormal Psychology (Psychology 201)
- Human Development: Lifespan (Psychology 204)
- Nutrition (Nutrition 110)
- College Algebra (Math 115) or higher
- Introductory Sociology (Sociology 110)
- Expository Writing (Writing 101)
- Writing About Literature (Writing 202)
- Bioethics (Philosophy 340)
- Religion: Any four religion courses
- Electives
  - Six credits from among the following: Anthropology 110; Philosophy 101 or higher



# Baccalaureate Degrees

## Introduction

The Bachelor of Arts (BA) and Bachelor of Science in Biology (BS) degrees are four-year liberal arts degrees. Students can earn a four-year BA degree in Biology, Building Arts, Business, English, Human Society, Mathematics, Psychology, Religion, and Interdisciplinary programs. Four-year BS degrees are offered in Biology and Education. Students who first enrolled at Bryn Athyn College in 2019-20 and earlier can pursue a four-year Bachelor of Fine Arts (BFA) degree in Building Arts. Students should declare a major before the end of their second year. Students cannot advance to fourth-year status if they have not been accepted into a major. Each major has different application procedures; therefore, interested students should contact the director of the program they have chosen.

## General Graduation Requirements for a Bachelor's Degree:

- At least 124 credits. A minimum of 62 credits must be Bryn Athyn College credits and the last 27 must be in residence. *Note: Exceptions will be made in the final 27 credit requirement for those students in approved internships or approved courses or programs at other institutions.*
- A cumulative GPA of 2.00 or better. *Note: individual majors may have higher requirements.*
- The completion of the Core Program Requirements outlined above.
- The completion of college Residency Requirements outlined in the Undergraduate Student Handbook.
- The selection of a major and the completion of that major's requirements as explained in the corresponding program section that follows.

## Double Majors

A double major is a program of study that meets the requirements of two distinct majors in a single Bachelor's degree. Both programs must be of the same type (BA or BS). No more than six credits at the 200-level or higher may be used to fill requirements in both major programs. The student will be expected to complete two senior capstone experiences. A student wishing to pursue two areas of study, but not to the depth of a double major should consider an interdisciplinary major (see page 32).

## Accelerated Degree Program

Bryn Athyn College offers an accelerated degree program for academically strong students for all Bachelor's degrees except for Building Arts and Education. Students enrolled in the program can complete their undergraduate degree in nine trimesters over three years.

### Application Requirements for the Accelerated Degree Program:

- Application for admission by March 15 of a student's first year.
- A cumulative GPA of 3.3
- Completion of at least 12 credits in the fall and winter terms prior to application
- Acceptance into an eligible major program

### Students in the Accelerated Degree Program Must:

- Maintain enrollment in their major program.

- Carry between 12 and 15 credits each term, for an average of about 14 credits in each of the nine terms of the program. This average will be lower for students who have AP credit, dual enrollment credit, or summer internship credit.
- Maintain a cumulative GPA of 3.0 and earn a C- or better in all courses.
- Participate in phase 1 registration each spring to minimize conflicts in their program of study.
- Work closely with their advisor to plan their pathway to graduation.
- Remain cognizant of the time commitment required by an intensive academic program and scale their extra-curricular and work commitments appropriately.

## Second Baccalaureate

The Second Baccalaureate degree is for students with a baccalaureate (from Bryn Athyn College or elsewhere) who wish to earn another baccalaureate from Bryn Athyn College. Please note: Students whose first degree is from Bryn Athyn College will not be eligible for financial aid.

### Application Requirements for the Second Baccalaureate Degree:

- A BA or BS degree from Bryn Athyn College or another institution
- Application for admission and satisfaction of all admission requirements to Bryn Athyn College (if not already admitted)
- Application for admission to the chosen major
- Together with the appropriate major advisor, the student should work out a program that:
  - Satisfies all the requirements of that major (by transfer and by completing courses at Bryn Athyn College)
  - Satisfies all Core requirements (this may be done by transfer, proficiency tests, and completing courses at Bryn Athyn College)
  - Includes an additional 30 credits at the 200-level or higher, beyond the previous baccalaureate
- Approval of this program from the academic dean, who will consult with the Curriculum and Academic Policy Committee. A written statement confirming the approved requirements will be placed in the student's file.

### Graduation Requirements for the Second Baccalaureate:

- Admission to the chosen major and approval of the student's Second Baccalaureate program by the academic dean
- An overall GPA of at least 2.00.
- Satisfaction of all Core requirements (this may be done by transfer, proficiency tests, and completing courses at Bryn Athyn College)
- Satisfaction of all the requirements of the new major (by transfer and by completing courses at Bryn Athyn College). Must include an additional 30 credits at the 200-level or higher, beyond the previous baccalaureate.

## Biology Major

The Biology Major is a four-year program leading to a baccalaureate degree. Students may choose from two degree program options: a Bachelor of Science (BS) and a Bachelor of Arts (BA). The BS degree program is recommended for those who plan to continue their education in graduate school or medical school. The BA degree is a general liberal arts program that prepares graduates for a variety of career fields.

### Admission and Graduation Requirements for a BA or BS Degree in Biology

Applications (available in the College Office) should be addressed to the Biology Program Director, Dr. Fredrik Bryntesson.

#### Application to the BS or BA Biology major requires:

- At least 18 credits completed, with at least 7 in science.
- A cumulative GPA of at least 2.00, and at least a 2.50 GPA in science courses.

#### Graduation with a BS or BA Biology degree requires:

- 124 credits.
- A cumulative GPA of at least 2.00.
- The completion of the Core and Residency Requirements.
- The completion of the major's Course Requirements outlined below, including a senior project (Biology 495). The project is 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 as part of the Research Seminar course (Bio 380).

#### Course Requirements for BS in Biology:

- Introduction to Biology sequence (Biology 122, 122L, 123 and 123L)
- Genetics (Biology 230)
- Cell Structure and Function (Biology 232)
- Ecology (Biology 235 and 235L)
- One organismal biology (Biology 210, 210L; 220, 220L; 225, 225; 240, 245, 245L; or 250, 250L)
- General Chemistry (Chemistry 110, 110L and 111, 111L) and one term of Organic Chemistry (Chemistry 210, 210L)
- Statistics (Mathematics 130L)
- Calculus (Mathematics 150L)
- Physics 180, 181L or 210, 210L
- Biological Laboratory Techniques (Biology 373)
- At least two other upper level lab courses (total 4 credits upper level lab)
- Bioethics (Philosophy 340)
- Research Seminar (Biology 380)
- Seminar series (Bio 490, 492) required in senior year
- Three additional 200/300-level biology courses, one of which must be 300- level
- Anthropology 260 fulfills one of these electives

- Senior project (Biology 495)

**Course Requirements for BA in Biology:**

*The requirements for the BA degree in biology are the same as those for the BS degree except for the following:*

- Mathematics 115 and 124 or Mathematics 140 may be taken in the place of Mathematics 150L
- Physics is not required
- The three upper level course requirement may include one of either: Earth Science 110L or Environmental Science 105L if taken before junior year
- One additional upper level science or mathematics courses beyond other requirements

## Building Arts Major

The Bachelor of Arts in Building Arts is a four-year liberal arts program, with specialization in the Building Arts. Students in this program study the history of architecture and design as they learn skills and techniques in fine art coursework and pursue a specialty in either stained glass or blacksmithing. The BA in Arts program prepares students to work as artists in traditional fields related to the preservation of historic structures or to continue their studies in graduate programs.

### Admission and Graduation Requirements for a BA in Building Arts

Applications (available in the College Office) should be addressed to the Building Arts Head, Jonathan Kline.

#### Application to the BA in Building Arts major requires:

- A grade of C– or better in FA101 or 201, and in FA122 or 128 or 141
- A 2.00 GPA or better

#### Graduation with a BA in Building Arts degree requires:

- 124 credits
- A GPA of 2.00 or better
- The completion of the Core and Residency Requirements
- A grade of C- or better in all courses used to fulfill the major course requirements
- Fulfillment of the Major Course Requirements, as listed below.

#### Course Requirements for a BA in Building Arts:

*\*Courses marked with asterisk still in development*

- Foundation Coursework (7 classes, 21 credits)
  - FA 101 Art History: Caves to Cathedrals
  - FA 102 Art History: Renaissance to Now
  - FA 128 Introduction to Stained Glass
  - FA 122 Introduction to Metal Forging
  - FA 125 Photography OR FA 130 Ceramics OR FA 120 Metalworking
  - FA 140 Drawing and Painting I
  - FA 141 Building Arts Foundation I
- Building Arts Core Coursework (5 classes, 15 credits)
  - FA 205 Introduction to American Architectural History
  - FA 213 or 313 Topics in Twentieth-Century Architecture: Bryn Athyn's National Historic Landmarks
  - FA 232 Computer Assisted Design
  - FA 241 Building Arts Foundation II
  - Hist/FA 271 Introduction to Historic Preservation

#### Specializations (choose one)

- Glass (7 classes, 19 credits)
  - FA 228 Stained Glass Painting
  - FA 258 Stained Glass Survey

- FA 278 Stained Glass Design
- FA 328 Glass Dynamics\*
- FA 348 Advanced Glass Design and Production\*
- FA 4xx Building Arts Capstone Thesis (1 credit)\*
- FA 4xx Building Arts Capstone Project\*
- Blacksmithing (7 classes, 19 credits)
  - FA 222 Intermediate Metal Forging
  - FA 252 Welding and Machine Work
  - FA 272 Metal Design\*
  - FA 322 Joinery Techniques and Tools
  - FA 342 Advanced Forging
  - FA 4xx Building Arts Capstone Thesis (1 credit)\*
  - FA 4xx Building Arts Capstone Project\*

**The Bachelor of Fine Arts in Building Arts is only available to students who enrolled at Bryn Athyn College in 2019-20 and earlier.** The Bachelor of Arts in Building Arts prepares students to enter the field of traditional and contemporary building practices, with a focus on design and implementation. Students examine the historical progression of architectural styles and critically analyze their impact on current design practices. In addition to studying the history of craft practice, students actively engage in their chosen specialization in a variety of studio-based learning environments. This course of study prepares them for careers in art, construction, and preservation or continuing graduate work in these fields.

### Admission and Graduation Requirements for a BFA in Building Arts

Applications (available in the College Office) should be addressed to the Building Arts Head, Jonathan Kline.

#### Application to the BFA in Building Arts major requires:

- A grade of C– or better in FA101 or 201, FA141, and a studio arts course.
- A 2.00 GPA or better

#### Graduation with a BFA in Building Arts degree requires:

- 124 credits
- A GPA of 2.00
- The completion of the Core and Residency Requirements
  - *Students enrolled in this program are exempt from the Core language requirement*
- A grade of C- or better in all courses used to fulfill the major course requirements
- Fulfillment of the Major Course Requirements, as listed below.

#### Course Requirements for a BFA in Building Arts:

*\*Courses marked with asterisk still in development*

- Building Arts Foundation (6 classes, 18 credits)
  - FA 141 Building Arts Foundation I
  - FA 151 Architectural Modeling

- FA 155 Introduction to Craft Practice
- FA 232 Computer Assisted Design
- FA 241 Building Arts Foundation II
- FA 375 Business Practices in Craft \*
- Art History FA Courses (6 classes, 18 credits)
  - FA 101 Art History: Caves to Cathedrals
  - FA 102 Art History: Renaissance to Now
  - FA 112 or 212 Medieval Arts and Revivals
  - FA 205 Introduction to American Architectural History
  - FA 213 or 313 Topics in Twentieth-Century Architecture: Bryn Athyn's National Historic Landmarks
  - Hist/FA 271 or 160 Introduction to Historic Preservation or Art, History and Culture
- Studio classes (3 classes, 9 credits)
  - FA 140 Drawing and Painting I **AND** 2 Fine Arts studio electives outside the Building Arts or theater design or construction
- Building Arts Electives (3 classes, 9 credits)
  - Any Building Arts studio class at any level outside a student's chosen specialization requirements
- Open Studio Elective (1 class, 3 credits)
  - Any additional Fine Arts studio elective at any level outside a student's chosen specialization requirements
- Special Topics in Building Arts/Internships (6 credits)
  - Any six-credit combination of Fine Arts internships (200 level or higher) and FA 305 (special Topics in Building Arts, which may be repeated for credit)

### Specializations (choose one)

- Glass (8 classes, 24 credits)
  - FA 128 Stained Glass Painting
  - FA 228 Intermediate Stained Glass Painting
  - FA 258 Stained Glass Survey
  - FA 278 Stained Glass Design
  - FA 328 Glass Dynamics\*
  - FA 348 Intermediate Glass Design and Production\*
  - FA 428 Advanced Glass Painting and Design\*
  - FA 458 Stained Glass Restoration (includes capstone project)\*
- Metal (8 classes, 24 credits)
  - FA 122 Metal Forging
  - FA 222 Intermediate Metal Forging
  - FA 252 Introduction to Welding and Machine Work
  - FA 272 Introduction to Metal Design
  - FA 322 Traditional Joinery Design and Construction

- FA 342 Tool and Hardware Design and Construction
- FA 422 Blacksmithing--Small Scale Design and Production
- FA 452 Large Scale Design and Production (includes capstone project)



## Business Major

The Bachelor of Arts in Business will give students a strong foundation in ethics, key internship opportunities, and an array of the liberal arts skills identified by the Association to Advance Collegiate Schools of Business as most valued by current employers. In addition to gaining competency in the subjects of traditional business programs, students will be challenged to consider the moral and spiritual dimensions of financial decision-making supported by New Church teachings on charity, honesty, and useful service. Building on the cross-disciplinary approach of the core curriculum, Business majors will be encouraged to develop the broad perspective needed for navigating, adapting, and innovating in a dynamic modern economy.

### Admission and Graduation Requirements for a BA in Business

Applications for admission should be addressed to the Business program advisor, Ethan King.

#### Application to the Business major requires:

- A grade of B– or better in Economics 131 or Economics 132
- A grade of C– or better in:
  - Mathematics 130
  - Mathematics 140 or Mathematics 150 (or AP credit)
  - Philosophy 101

#### Graduation with a Business degree requires:

- 124 credits
- A GPA of 2.00
- The completion of the Core and Residency Requirements.
- A grade of C- or better in all courses used to fulfill the major course requirements.
- Fulfillment of the major Course Requirements, including the completion of a capstone project.
- Completion of courses or internships in a management focus. Current options include finance, logistics, marketing, and sports management. Other options may be added.

### Course Requirements for BA in Business

Major course requirements may overlap with Core requirements.

- Macroeconomics and Microeconomics (Economics 131 and Economics 132)
- Accounting I and II (Business 141 and Business 142)
- Public Speaking (Communication 105)
- Critical Thinking (Philosophy 101 or Placement Test)
- Statistics (Mathematics 130 or Mathematics 330)
- Calculus or Advanced Statistics (Mathematics 140, Mathematics 150, or Computer Science/Mathematics 230)
- Business Communication (Business/Writing 220)
- Principles of Marketing and Principles of Management (Business 254 and Business 257)
- Business Ethics and Corporate Social Responsibility (Business 301 and Business 302)

- Financial Management (Business 320)
- Business Law (Business 351)
- Research Seminars and Senior Capstone courses (Business 390, 493, 494, 495, and 496)
- 9 credits within an approved area of a management focus
  - At least 1 credit must be in internships or internship preparation (including an internship preparation seminar)
  - At least 3 credits must be in coursework
  - Courses available for the focus in Finance
    - Business 321, 327, Business/Mathematics 380
  - Courses available for the focus in Logistics
    - Business/Computer Science 215, Business/Mathematics 380, Business 381
  - Courses available for the focus in Marketing
    - Business 256, 264, 354, and any 200-level Communications course
    - No more than one Communications course can be used to fill focus requirements
  - Courses available for the focus in Sports Management
    - Business 256, 264, 267, 268
  - Courses available for any focus:
    - Business 290, 305
- Any additional three credits at the 200-level or higher in Business, Communications, or Economics not used to fill one of the requirements above.

## Early Childhood and Special Education Dual Certification Major

The Bachelor of Science program in Early Childhood Education and Special Education fully prepares students for Pennsylvania state certification in both PreK-4 Early Childhood Education and in PreK-8 Special Education. Students explore a New Church approach to education that emphasizes accommodating instruction to the developmental stages of childhood in a nurturing environment. Outdoor learning and gardening experience is integrated into several courses. The program provides practical experience working alongside experienced professionals, so that students are well prepared to be successful teachers in inclusionary classrooms in public, New Church, or other private schools.

### Admission and Graduation Requirements for a BS degree in Early Childhood Education and Special Education

Applicants to the Dual Certification Program in Early Childhood and Special Education should have completed at least 48 credits with a minimum overall GPA of 2.8. (Candidates must graduate with a GPA of at least 3.0 to be eligible for certification.) Before admission to the program, students must satisfy the Pennsylvania basic skills requirement by passing tests in reading, writing, and mathematics—for example, the Praxis Core Academic Skills for Educators or the Pre-service Academic Performance Assessment (PAPA)—or by having qualifying SAT or ACT scores.

Certifications in Early Childhood Education, Pre-K to 4 and Special Education, Pre-K to 8 require a minimum overall GPA of 3.0, a total of 125.5 credits, the satisfactory completion of a student teaching practicum, and successful completion of the Pennsylvania Educator Certification Tests, which are typically taken upon completion of the student teaching practicum in the senior year.

Application for admission should be submitted to the Director of Field Placement and Certification & Compliance Officer, Sarah Wong. Review of applications may take up to four weeks after all requirements have been submitted.

### Admission Requirements

- Completion of a minimum of 48 credits of college-level coursework
- Fulfillment of the Basic Skills requirement as specified by the Pennsylvania Department of Education
- Cumulative GPA of at least 2.8
- Completion of at least six credits in college-level Mathematics
- Completion of three credits in college-level English Composition
- Completion of three credits in Literature

**Graduation** with an Early Childhood and Special Education BS degree requires:

- 125.5 credits (or 124.5 if a student plays a sport instead of taking PE)
- An overall GPA of at least 2.00
  - State certification requires students to have a cumulative GPA of at least 3.00 upon graduation
- Completion of the Core and Residency Requirements (see below)
- Completion of the major's Course Requirements listed below

### **Course Requirements for BS in Early Childhood Education**

#### **Residency and Core Requirements:**

- Religion residency requirements
- Writing 101
- Literature: 3 credits
  - Writ202 or Eng245 recommended; other literature courses accepted
- Mathematics: 6 credits
  - Math101 and Math102 recommended
- Geography 110
- Science: 4 credits
  - EnSci105 recommended
- Liberal Art electives: at least 9 credits
  - Can choose from the following areas (no more than 2 courses from one area): Humanities and Languages, History and Social Sciences, Science and Math, Fine Arts
- Philosophy 102 or Ed 201
- Physical Education: 1 credit

#### **Early Childhood Education Courses:**

- Education 128
- Education 217
- Education 218
- Education 219
- Education 271
- Education 272
- Education 274
- Education 322
- Education 323
- Education 324
- Fine Arts 251
- Dance 240
- Field Experience I

- Field Experience II
- Field Experience III
- Education 402 (Student Teaching)

**Special Education Courses**

- Special Education 111
- Special Education 212
- Special Education 213
- Special Education 331
- Special Education 312
- Special Education 313
- Special Education 334
- Special Education Field Experience

## Early Childhood and Special Education Non-Certification Major

The Early Childhood and Special Education Non-Certification Program leading to a baccalaureate degree prepares students for professions such as preschool teacher; daycare owner/operator; education paraprofessional; educational consultant (in a museum, nature center, or business); behavior interventionist in a special education setting; therapeutic staff support; teacher in a school that does not require certification. Admission to the program does not require taking basic skills tests. The coursework is identical to the coursework for the Dual Certification Program (see above).

### Admission Requirements

Applicants to the program should have a minimum overall GPA of 2.00 and should have completed

- 48 credits of college-level coursework
- 6 credits in college-level mathematics
- 3 credits in college-level English composition
- 3 credits in literature

### Graduation Requirements

Students receive a Bachelor of Science in Education degree by meeting the following minimum requirements:

- Completion of program requirements as detailed in the dual certification program.
- Earn a minimum cumulative GPA of 2.0.
- Earn the minimum credits required for the degree.

## English and Communications Major

The Bachelor of Arts in English and Communications immerses the student in the cultural wealth of literature written in or translated into English, while also developing critical thinking and written, oral, and visual communication skills—all tools that are vital in the modern workplace and many other segments of society. Coursework reviews literary and historical contexts, as well as the moral, civil, and spiritual dimensions of readings and assignments. The program serves as a solid foundation for graduate study in a number of disciplines.

### Admission and Graduation Requirements for a BA in English

Applications for admission should be addressed to Dr. Kristin King, the English and Communications major advisor.

**Application** to the English major requires:

- At least 18 credits with a minimum GPA of 2.50 overall, and 2.70 in English and Writing courses.

**Graduation** with an English degree requires:

- 124 credits
- An overall GPA of 2.50
- The completion of the Core and Residency Requirements.
- Fulfillment of the major's Course Requirements listed below.

### Course Requirements for a BA in English and Communications

(In addition to Core and Residency requirements, although major course requirements may overlap with Core requirements if applicable.)

- English 218 – American Literature I
- English 219 – American Literature II
- English 220 – British Literature I
- English 221 – British Literature 2
- English 235 – Shakespeare
- English 320 – The English Language
- Communications 105 – Public Speaking
- Communications 130: Foundations of Graphic Design
- One of the following:
  - Communications 230 – Intermediate Graphic Design
  - Computer Science 160 – World Wide Web Development
- Business/Writing 220 – Business Communications
- Writing 213 – Advanced Rhetoric and Exposition
- Two additional 200-level+ English or writing courses\*
- Four additional 300-level English or writing courses
- English 495 – Senior Seminar

- English X98 -- Internship
- English 499 (1-credit supplement to 300-level English course. This extra credit requires the student to write a paper beyond the standard length of the final paper for the course).

\*With permission, English 105 (a rotating topics course) may fulfill one 200-level requirement if it is taken twice as different subjects.



## Human Society Major

The Human Society Major uses a multidisciplinary approach to examine people and institutions in the context of societies in order to evaluate individual and collective choices. The disciplines of anthropology, history, and political science offer key methodologies for investigating major institutions of human society conceptually, comparatively, and through case studies (both historical and contemporary). The pursuit of this Bachelor of Arts degree helps to prepare students to participate in society in professional, civic, and personal capacities. It also encourages students to reflect on and determine their own choices as they engage in society. The program takes a cross-disciplinary approach to studying human society and is underpinned by a New Church understanding of the importance of society. Through their course of study, human society majors also sharpen their research, writing, and analysis skills—abilities useful in both the workplace and graduate school settings.

### Admission and Graduation Requirements for a BA in Human Society

Applications for admission should be addressed to the Human Society program advisor, Dr. Aram Yardumian.

#### Application to the Human Society Major requires:

- At least 11 academic credits completed
- A minimum overall GPA of 2.00
- At least one of the 100-level major course requirements with a grade of C- or better.

#### Graduation with a BA in Human Society requires:

- A total of 124 credits
- A minimum overall GPA of 2.00
- A grade of C- or better is required in all courses used to fulfill the perspective course requirements
- The completion of the Core and Residency Requirements
- Completion of the major's Course Requirements as listed below

#### Course Requirements for the BA in Human Society:

- 100-Level Requirements (3 courses; 9 credits): Three of the following: Anthropology 110, Geography 110, History 1xx (any 100-level history course), Political Science 101, Sociology 110
- Seminars (2 courses; 6 credits): Human Society 401, 402
- Perspectives on Human Society (13 courses; 39 credits with a grade of C- or better):
  - Total of 13 courses required with a minimum of 5 courses at the 300-level
  - Maximum of 2 religion courses count towards the 13 required
  - Sociology courses, a discipline-related internship, or a major-related 200-level or above course from another discipline can count as one of the 13 courses, as can a Human Society 305 course

#### The Anthropological Perspective:

Anthropology/History 211, 312; Anthropology 213, 240, 260, 315, 320

#### The Historical Perspective:

History 1xx, 207, 211, 212, 213, 217, 225, 230, 240, 248, 257, 260, 276, 286, 305, 310, 311, 313, 330, 359

#### The Political Perspective:

Political Science 210, 211, 212, 220, 232, 260, 318, 346, 348

#### The Religious Perspective:

Religion 283, 284, 285, 293, 295, 296, 320, 380

### Human Society Major Honors Track

Application requires:

- A cumulative GPA of 3.25 or better.
- The student must have completed two 200-level HSoc courses with a minimum of a C- grade in each. The students' GPA in HSoc courses should be near or better than 3.50.
- The recommendation of a faculty member in the HSoc program.

Students work with their Human Society program advisor to create a program of study. This program of study must:

- Be approved by the head of the Human Society major
- Include at least two of the following:
  - An internship
  - An independent study course
  - A graduate level course (currently only available in religion or education)
  - A course with an honors contract

*Note: the HSS department is not obligated to offer experiences in all of these categories. Experiences beyond the required two are possible.*
- Include a more rigorous capstone experience, which must include at least one of the following:
  - A longer senior capstone paper
  - An exhibit available to the public
  - Presentation of a paper or poster at a conference or workshop.
  - Publication of a paper in conference proceedings or a submission to a journal within one of the disciplines.
  - Participation in a Bryn Athyn College Colloquium or similar presentation at a nearby school (elementary, secondary, post-secondary)

*Note: the HSS department is not obligated to offer opportunities in all categories.*

To remain in the program, the student must maintain a cumulative GPA of 3.0 or better.

## Interdisciplinary Major

The Interdisciplinary Major, which leads to an Interdisciplinary Bachelor of Arts degree, presents a unique opportunity for students to combine studies in two of a number of selected liberal arts areas and develop, in a structured way, the interrelationships of different fields of knowledge.

### Admission and Graduation Requirements for an Interdisciplinary BA Degree

Applications for admission should be addressed to the Interdisciplinary program advisor for the primary area of interest.

#### **Application to the ID major requires:**

Meeting of the admission standards particular to the student's chosen primary ID area. These standards are outlined under each of the primary ID areas (Dance, Fine Arts, Mathematics, Philosophy, and Honors) described below. In some cases, a secondary area may impose additional entrance requirements.

#### **Graduation with an Interdisciplinary BA degree requires:**

- A total of 124 credits
- A minimum overall GPA of 2.00
- The completion of the Core and Residency Requirements
- A grade of C- or better is required in all courses used to fulfill the major course requirements, including the capstone courses
- Choice of a Primary and a Secondary Area from the lists below, and completion of the corresponding Course Requirements.
- A sequence of capstone courses (ID 390, ID 494, ID 496, and six credits of project and essay courses specific to the primary discipline: 493, 495, 499).

### ID Combination Options

#### **Dance Interdisciplinary Major (Director: Jessica Bostock)**

This program can be combined with any of the following areas: biology, business, education, English, philosophy, psychology, or religion. The capstone experience is a dance choreography project with a companion research paper. Before applying, students should have a grade of C- or better in a dance course (excluding ensemble courses).

#### **Fine Arts Interdisciplinary Major (Director: Dr. Jonathan Kline)**

This program can be combined with any of the following areas: business, education, English, philosophy, psychology, or religion. The capstone experience is an art project with a companion research paper. Before applying, students should have a grade of C- or better in FA101, FA102, FA112 or FA210 and a studio arts course.

### **Mathematics Interdisciplinary Major (Director: Dr. Neil Simonetti)**

This program can be combined with any of the following areas: biology, business, computer science, education, fine arts, philosophy, physical science, or psychology. The capstone experience is a mathematics project with a companion research paper. Before applying, students should have a grade of B– or better in Math151 (calculus II), or equivalent AP credit, or an average of C+ in the last two 150+ level mathematics courses taken.

### **Philosophy Interdisciplinary Major (Director: Dr. Dan Synnestvedt)**

This program can be combined with any of the following areas: biology, business, computer science, dance, education, English, fine arts, mathematics, psychology, or religion. The capstone experience is a research paper examining the connections between philosophy and the second discipline. Before applying, students should have a grade of B- or better in Philosophy 101 and 102.

### **Honors Interdisciplinary Major (Director: Dr. Neil Simonetti)**

See the director of this limited, customizable program for more information about requirements and areas of study available. Students may combine any two areas from those listed below (except for the Dance/Fine Arts combination). Before applying, a student should:

- have an overall GPA of 3.25 or better
- have completed one 200-level course or two courses of any level in each area (with a recommended GPA of 3.5 within each of the two areas)
- get one letter of recommendation from a faculty member in one of the areas, expressing an interest in being the student's senior paper advisor

### **ID Major Course Requirements:**

ID majors should fulfill the course requirements listed for each of their two disciplines below.

#### **Biology:**

- Entrance into Biology as a secondary area requires a C- or better in Mathematics 130 or 330.
- Biology 122 – Genetics and Evolution
- Biology 123 – Molecular Biology
- Biology 232 – Cell Structure and Function
- Any three additional 200+ level 3- or 4-credit courses in Biology
- Chemistry 110, and 111 – General Chemistry I and II
- Mathematics 130 or 330 – Statistics or Probability
- Biology 490 or Biology 491 – Biology Seminar I or II

#### **Business:**

- Entrance into Business as a secondary area requires a C- or better in Mathematics 130 or 330.
- Course requirements are identical to the course requirements in the Business minor (see minor information)

#### **Computer Science:**

- Entrance into Computer Science as a secondary area requires a B- or better in Computer Science 180.

- Course requirements are identical to the course requirements in the Computer Science minor (see minor information)

**Dance:**

- Course requirements are identical to the course requirements in the Dance minor (see minor information).

**Education:**

- Course requirements are identical to the course requirements in the Education minor (see minor information).

**English & Writing:**

- Course requirements are identical to the course requirements in the English minor (see minor information).

**Fine Arts:**

- Any two of:
  - Fine Arts 101 or 201 – Aegean to Early Christian
  - Fine Arts 102 or 202 – Renaissance and Baroque Art
  - Fine Arts 112 or 212 – Medieval Art and its Revivals
  - Fine Arts 210 – Nineteenth and Twentieth Centuries
  - At least one of these must be at the 200-level. If both are taken at the 100-level, any additional 200+-level 3-credit Art History course is required.
- Any 300-level 3-credit Art History course
- Any 200-level 3-credit Building or Studio Art course and a 300-level Building or Studio Art independent study
- Any additional 200+-level 3-credit Art History, or Anth/Hist211 or Hist270, or 3 credits of internship

**Mathematics:**

- Entrance into Mathematics as a secondary area requires a B- or better in Mathematics 151.
- Course requirements are identical to the course requirements in the Mathematics minor (see minor information)

**Philosophy:**

- Entrance into Philosophy as a secondary area requires a B- or better in Philosophy 101 and 102.
- Course requirements are identical to the course requirements in the Philosophy minor (see minor information).

**Physical Science:**

- Chemistry 110, 111 – General Chemistry I and II
- Chemistry 210 – Organic Chemistry I
- Physics 210 – Principles of Physics I
- Chemistry 211 or Physics 211 – Organic Chemistry II or Principles of Physics II
- Mathematics 250 and 311 – Calculus III and Differential Equations
- Any two 300-level courses, independent studies, or internships in chemistry or physics totaling at least six credits.

**Psychology:**

- Entrance into Psychology as a secondary area requires a C- or better in Mathematics 130 or 330.
- Course requirements are identical to the course requirements in the Psychology minor (see minor information).

**Religion:**

Please note: All religion courses below must be beyond the first and second year residence requirement.

- One comparative course: Religion 283, 284, 293, 295, or 296
- One scriptural course: Religion 220, 221, 222, or 223
- Any two 300-level religion
- Any additional 200+ level religion course or a course from the following list:
  - History 240, 310, 350; Philosophy 310, 311, 320, 321; Sociology 340;
  - Greek, Hebrew, or Latin at the 200-level

*Note for courses that may count in each of two areas:*

If a cross-listed course is used to fill discipline-specific requirements in two areas (such as Bus/Psy202 in both Business and Psychology or Bus/Wr220 in both Business and English), an additional elective in one of the disciplines at an equivalent or higher level is required. A course filling a requirement in a supporting discipline (such as Math330 in Philosophy or Rel335 in Psychology) may be used to fill a requirement in any other discipline without requiring an additional elective.

**Honors Program Requirements for the Interdisciplinary Major:**

Students work with the director of the program to create a customized program of study that must be approved by the interdisciplinary committee (if different from the requirements above).

In addition, the course requirements must include one of the following (at three credits) in each area:

- An internship
- An independent study course
- A graduate level course
- A course with an honors contract

The students in the honors program will be expected to write a larger senior essay than is typical for other students in the interdisciplinary major. In addition, students should complete a project, like those listed below (but not limited to this list), or take an additional three-credit upper-level course in one of the two disciplines:

- An exhibit or concert available to the public
- A presentation (paper or poster) at a conference, workshop, or colloquium
- A publication in conference proceedings or submission to a journal
- The execution of a lesson plan in an elementary or secondary school

Students must maintain a GPA of 3.0 or better to stay in good standing for the honors program.

# Mathematics Major

The Mathematics Major is a rigorous four-year, liberal arts program leading to a Bachelor of Arts degree. Students completing this program will be developing skills in mathematical analysis, algorithmic computing, and logic. It prepares students for either graduate school in mathematics or a mathematics related field, or entry into the workforce.

## Admission and Graduation Requirements for a BA in Mathematics

Applications for admission should be addressed to the mathematics program advisor, Dr. Neil Simonetti.

### Application to the Mathematics Major requires successful completion of:

- A minimum overall GPA of 2.00 and either of:
  - Mathematics 151: Calculus II, B- or better, or equivalent AP credit
  - An average GPA of 2.50 in the last two 150+ level mathematics courses taken

### Graduation with a BA in Mathematics requires:

- At least 124 credits
- An overall GPA of 2.00
- The completion of the Core and Residency Requirements
- A grade of C- or better in all courses used to fulfill the major course requirements, including capstone courses.
- The completion of the Mathematics Major Course Requirements outlined below.

### Course Requirements for the BA in Mathematics:

#### 100 Level Requirements (8 credits):

- Mathematics 150 – Calculus 1, or equivalent AP credit
- Mathematics 151 – Calculus II, or equivalent AP credit

#### 200 Level Requirements (13 credits):

- Computer Science/Mathematics 235 – Discrete Structures
- Mathematics 240 – Linear Algebra
- Mathematics 250 – Calculus III
- Mathematics 270 – Formal Mathematical Reasoning

#### At least four of the following courses: (12 credits):

- Mathematics 205 – History of Mathematics
- Computer Science/Mathematics 230 – Statistics and Data Mining
- Mathematics 311 – Ordinary Differential Equations
- Computer Science/Mathematics 321 – Numerical Methods
- Mathematics 330 – Introduction to Probability Theory
- Mathematics 340 – Abstract Algebra
- Mathematics 360 – Advanced Calculus
- Business/Mathematics 380 – Linear Models and Methods for Optimization

- Mathematics 298/398 – Internship (at most three credits can fill requirements)

In supporting areas, one of the following two courses are required: (3 or 4 credits):

- Computer Science 180 – Structured Programming
- Physics 210 – Principles of Physics I

One of the following two-course sequences are required. One of these courses may overlap with requirements above: (3 to 8 additional credits):

- Pure Mathematics (recommended preparation for graduate study in mathematics):
  - Mathematics 360 – Advanced Calculus
  - Any other proof-based course from the following list:
    - Mathematics 205 – History of Math
    - Mathematics 330 – Introduction to Probability Theory
    - Mathematics 340 – Abstract Algebra
- Business:
  - Business 320 – Financial Management
  - Any other 200+ level 3-credit business course
- Chemistry:
  - Chemistry 210 – Organic Chemistry I
  - One of:
    - Biology/Chemistry 315 – Principles of Biochemistry
    - Chem211 – Organic Chemistry II
- Computer Science:
  - Computer Science 220 – Data Structures
  - Any other 200+ level Computer Science course other than CSci/Math235
- Data Science:
  - Computer Science 206 – Introduction to Data Science
  - Any other 200+ level 3-credit course that fills a Data Science Minor requirement:
- Physics:
  - Physics 210 – Principles of Physics I
  - Physics 211 – Principles of Physics II

The capstone sequence and project requirements include: (9 credits):

- Mathematics 390 – Research Seminar (1 credit)
- Mathematics 493 – Senior Literature Review (2 credits)
- Mathematics 494 – Senior Seminar I (1 credit)
- Mathematics 495 – Senior Essay (2 credits)
- Mathematics 496 – Senior Seminar II (1 credit)
- Mathematics 499 – Senior Project (at least 2 credits)

A student adding a minor in one of the supporting areas must have at least six credits at the 200+ level in the minor that do not overlap with courses used to fill the mathematics major requirements.



# Psychology Major

The Psychology Major is a four-year, liberal arts program leading to a Bachelor of Arts degree. It prepares students for either graduate school in psychology or entry into the workforce.

## Admission and Graduation Requirements for a BA in Psychology

Applications for admission should be addressed to the psychology program adviser, Kiri K. Rogers.

### Application to the Psychology Major requires successful completion of:

- Psychology 101 and one additional psychology course.
- A C- or better in psychology courses, included transferred courses.
- A minimum overall GPA of 2.00 and an average GPA of 2.50 in psychology courses\*:

*\*If a student has taken more than three courses in the program, the most recent will be utilized in calculating the cumulative GPA.*

### Graduation with a BA in Psychology requires:

- At least 124 credits
- An overall GPA of 2.00.
- The completion of the Core and Residency Requirements.
- A grade of C- or better in all courses used to fulfill major requirements.
- The completion of the Psychology Major Course Requirements outlined below, including the completion of the Senior Essay, via the capstone sequence (Psychology 490, 491, and 492). The Senior Essay is under the supervision of a Bryn Athyn College faculty member. Proposals for this Senior Essay must be submitted to and accepted by the psychology faculty.

### Course Requirements for the BA in Psychology:

100 Level Requirements (6 courses; 19 credits), all with a C- or better:

- Psychology 101: Introductory Psychology
- Math 130: Statistics (QR)
- Biology 122: Genetics and Evolution
- Any *three* courses selected from these supporting areas (at 100-Level or higher):
  - Anthropology, Education, or Sociology

200/300 Level Requirements (6 courses; 18 credits):

- Psychology 320: Introduction to Experiments in Psychology (all must take this junior year)
- At least three of the Clinical Psychology Courses with a C- or better:
  - Psychology 201: Abnormal Psychology
  - Psychology 203: Personality Theory
  - Psychology 301: Introduction to Counseling and Clinical Psychology
  - Psychology 305: Physiological Psychology (IL)
  - Psychology 307: Psychological Measurement/Assessment

- Psychology 382: Seminar on Death and Dying
- At least three of the Applied Psychology Courses with a C- or better:
  - Psychology 204: Human Development
  - Psychology 205: Social Psychology (PP)
  - Psychology 220: Cognitive Psychology
  - Psychology 230: Psychology and Spirituality
  - Psychology 285: Positive Psychology: The Science of Living Happily (EE)
  - Psychology 341: Altruism (Moral Perspective; EE)
  - Psychology 380: Seminar on Forensic Psychology

EE in Psychology Requirement (1 credit minimum):

- EE 298 or 398 (EE): Internship in a work setting relevant to Psychology
- Psychology 341 (EE): Altruism
- Psychology 285: Positive Psychology: The Science of Living Happily (EE)

400-Level Requirements in Psychology (3 courses; 7 credits) with a C- or better:

- Psychology 490: Research Methods in Psychology (IL)
- Psychology 491: Senior Essay (Writing and IL skill in Capstone)
- Psychology 492: Senior Seminar (PP, Ethics, Career Planning)

## Religion Major

The pursuit of the Bachelor of Arts degree in Religion provides disciplined and systematic instruction in religion with the aim of an overall comprehension of the doctrines of the New Church and 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.

### Admission and Graduation Requirements for a BA in Religion

Applications for admission should be addressed to the religion program advisor, Rev. Scott Frazier.

#### Application to the Religion Major requires:

- At least 11 academic credits
- A minimum overall GPA of 2.00, with a minimum GPA of 2.50 in religion courses.
- Completion of Rel 110 with a C- or better

#### Graduation with a BA in Religion requires:

- A total of 124 credits
- A minimum overall GPA of 2.00
- A grade of C- or better is required in all courses used to fulfill the major course requirements. Maintaining a minimum overall GPA of 2.00 and a religion GPA of 2.50 is also required to stay in the program.
- The completion of the Core and Residency Requirements.
- The completion of the Religion Major Course Requirements outlined below.

### Course Requirements for BA in Religion

The BA in Religion requires students to fulfill the following requirements totaling 42 credits. The 42 credits required for a degree in religion cannot overlap with the courses taken to satisfy the religion Residency Requirements in the freshman and sophomore year, but they can overlap with the Core Requirements. No course can serve two spots for the Religion major.

- 6 credits of 200-level doctrinal courses (Rel 205, 210, 215, 273)
- 6 credits of 200-level scriptural courses (Rel 220, 221, 222, 223, 225)
- 3 credits of 200-level comparative courses (Rel 283, 284, 285, 293, 295, 296)
- 3 credits of 200- or 300-level applied courses (Rel 270, 272, 278, 320, 330, 335)
- 9 credits of 300-level doctrinal courses (Rel 305, 306, 310, 311, Phil 320, 321)
- 3 credits of additional 300-level religion courses
- 3 credits of Religion 380
- 3 credits of Religion 490
- 9 credits of related coursework (either additional 200-level religion courses, additional 300-level religion courses, or courses from the following list: Hist 240, Hist 250/350, Hist 310, Phil 310, Phil 311, Phil 320, Phil 321, Heb 110, Heb 111, Heb 250, Grk 110, Grk 111, Grk 250, Grk 251, Lat 250, Lat 251, Soc 340. The 300-level related offerings can count towards the 300-level requirements.)

# Minors

## Introduction

Bryn Athyn College offers minors designed to complement the BA/BS programs. Students wishing to include another specific program of study in addition to their major may consider enrolling in any of these minors. Students may not receive a minor in the same field in which they are majoring. In order to be awarded a minor, students must fulfill the baccalaureate requirements (Core Program and Major Requirements) in addition to the Minor Requirements (specified below).

## General Requirements for Minors

- Enrollment in a chosen minor must happen **by February 1<sup>st</sup>** of the year of a student's graduation. A common application form for all minors may be found on the web or at the College Office. If a minor has an entrance requirement (most do not), these should be met before submitting the application
- A student may enroll in multiple minors, but at least nine credits at the 200-level or higher of each minor must not be used to fill requirements of another minor program

## Biology Minor

The biology minor provides students majoring in other disciplines with additional exposure to the biological sciences. Students can choose from three options: ecology or molecular biology; health related applications; or they may create their own (see course requirements below). Please note: the Biology minor is not open to ID majors with biology as one of their two areas. Direct questions about the Biology Minor to Dr. Fredrik Bryntesson, program director.

### Graduation Requirements for Biology Minor:

- Completion and submission of the standard minor application form **by February 1<sup>st</sup>** of the year of a student's graduation
- An overall GPA of 2.00 or higher
- A GPA of 2.00 or higher in the biology and chemistry courses used to fulfill the minor requirements
- Meeting all of the Core, Residency, and Major Requirements for graduation
- Completion of five courses in biology and one in chemistry, most with labs, for a total of 22-23 credits

### Course Requirements for a Biology Minor:

- Completion of 15 credits from the following
  - Biology 122 and 123 with labs (8 credits)
  - Chemistry 101 **or** 110 with lab (4 credits)
  - Biology 232, Cell structure and function (3 credits)
- Completion of 7-8 Additional Credits, following one of the following options:
  - **Option 1** - Focus on ecology or molecular biology:
    - Biology 230, Genetics (3 credits)
    - Biology 235, Ecology with lab, or Biology 310, Molecular Biology and Jr. lab 373 (4 or 5 credits)
  - **Option 2** - Focus on medical or health related applications:

- Biology 210, Anatomy & Physiology I (4 credits)
- Biology 220, A&P II (4 credits)
- **Option 3** - Build your own with two *scheduled* biology courses - one with lab (7 credits)

### Business Minor

The minor in business provides students majoring in the liberal arts with exposure to critical areas in business management including accounting, communications, finance, business law, and marketing. A hallmark of the program is its emphasis on applying ethical or moral reasoning to decision-making in a business setting. Please note: The Business minor is not open to ID majors with business as one of their two areas. Direct questions about the business minor to Ethan King, program director.

#### Business Minor Graduation Requirements:

- Completion and submission of the standard minor application form **by February 1st** of the year of a student's graduation
- An overall GPA of 2.00
- Meeting all of the Core, Residency, and Major Requirements for graduation
- A grade of C– or better in all coursework used to fulfill the business minor.
- Completion of the Business Minor Course Requirements outlined below

#### Business Minor Course Requirements:

- Business 141 – Accounting I
- Economics 131 or 132 with a grade of B– or better – Macroeconomics or Microeconomics
- Mathematics 130 or 330 – Statistics or Probability
- Business/Writing 220 – Business Communications
- Business 301 – Business Ethics
- Business 320 – Financial Management
- Business 254, 257 or 351 – Principles of Marketing, Principles of Management, or Business Law
- Three credits at any level in Business or Economics course or a 200+ -level Communication course

### Communications Minor

The Communications minor provides students with a breadth of coursework in various modes of communication geared toward the modern workplace, such as public speaking, business writing, rhetoric, and functionality with graphic design software. Such skills serve as a powerful supplement to other majors, enhancing a student's marketability to numerous employers upon graduation. Direct questions about the communications minor to Dr. Kristin King, program director.

#### Graduation Requirements for Communications Minor:

- Completion and submission of the standard minor application form **by February 1st** of the year of a student's graduation
- An overall GPA of 2.00
- Meeting all of the Core, Residency, and Major Requirements for graduation
- Completion of the six course requirements described below (17-18 credits)

- Grade of C- or better in each course used to fulfill the minor requirements

#### **Course Requirements for the Communications Minor:**

- Communications 105 – Public Speaking
- Communications 130 – Foundations of Graphic Design
- One of the following:
  - Communications 230 – Intermediate Graphic Design
  - Computer Science 160 – World Wide Web Development
- Business/Writing 220 – Business Communications
- Writing 213 – Advanced Rhetoric and Exposition
- Any one other 200- or 300-level English literature course

#### **Computer Science Minor**

Students who minor in computer science will be exposed to a variety of practical and theoretical topics, depending on the offerings chosen by the individual student. All students in this minor will learn structured programming, data organization, complexity, and logic. Students may choose among topics in other courses such as web design, database design, operations research, and probability. Please note: the Computer Science minor is not open to ID majors with computer science as one of their two areas. Direct questions about the Computer Science minor to Dr. Neil Simonetti, program director.

#### **Entrance Recommendations for the Computer Science Minor:**

- While there are no strict entrance requirements, the level of abstraction in this program will be best handled by students who have a B- or better in both of:
  - Computer Science 180 – Structured Programming
  - Mathematics 151 – Calculus II

#### **Graduation Requirements for the Computer Science Minor:**

- Completion and submission of the standard minor application form **by February 1<sup>st</sup>** of the year of a student's graduation
- An overall GPA of 2.00
- Meeting all of the Core, Residency, and Major Requirements for graduation
- Completion of the courses outlined below, which must be passed with a grade of C- or better

#### **Course Requirements for the Computer Science Minor:**

- Computer Science 180 – Structured Programming
- Computer Science 220 or Computer Science/Mathematics 235
- Mathematics 240 – Linear Algebra
- 9 additional upper level credits in Computer Science
  - 6 of these 9 must be 300-level or higher
  - Up to 3 of these credits may be in Mathematics courses with a computing component

#### **Dance Minor**

The dance minor provides students an opportunity to engage both in studio and classroom coursework, developing critical skills and creativity essential to an academic degree in dance. A dance minor prepares

students to teach at private studios, perform professionally, or enter a graduate program in dance performance or education. Direct questions about the dance minor to Jessica Bostock, program director.

**Graduation Requirements for the Dance Minor:**

- Completion and submission of the standard minor requirement form **by February 1<sup>st</sup>** of the year of a student's graduation
- An overall GPA of 2.00 or better
- Meeting all of the Core, Residency, and Major requirements for graduation
- 21 credits
- Completion of the Dance minor course requirements below, with an average of at least a C or 2.00 in these course

**Course Requirements for the Dance Minor:**

- Dance 332: Choreography and Composition (3 credits)
- Dance 241: 20<sup>th</sup> Century Dance (3 credits)
- Dance 240: Movement and the Young Child OR internship (1.5 credits)
- Dance 331: Advanced Contemporary Dance (3 credits)
- Any three other dance technique courses at the 200 level (3 credits each)
- Dance 160, 260, 360: Dance Ensemble

Total: 21 (includes implied 3 credits of 100 level prerequisites)

**Data Science Minor**

Data Science is the process of acquiring, organizing, and analyzing data to allow informed decision making. Students who complete the Data Science program will be able to:

- Organize unstructured or poorly structured data for the purpose of analysis
- Form meaningful questions that can be answered by a large data set
- Analyze a large data set with computational tools to answer questions
- Draw conclusions from data analysis and communicate these conclusions effectively

Direct questions about the data science minor to Dr. Neil Simonetti, program director.

**Graduation Requirements for the Data Science Minor:**

- Completion and submission of the standard minor requirement form **by February 1<sup>st</sup>** of the year of a student's graduation
- An overall GPA of 2.00 or better
- Meeting all of the Core, Residency, and Major requirements for graduation
- Completion of the Data Science Course Requirements below, with a grade of C– or better

**Course Requirements for the Data Science Minor:**

- Computer Science 105 or Computer Science 180 [Computer Science 180 recommended]
- Mathematics 130
- Computer Science 206
- Business/Computer Science 215

- Computer Science/Mathematics 230
- Any additional upper level 3+-credit course, internship, independent study, or capstone project requiring analysis of a significant data set (check with the program director for qualification)

### Education Minor

Students who minor in education (or get an ID in education) are not ready to be certified as teachers, but they do have an advantage over non-education majors in seeking non-teaching jobs in association with schools, in seeking certification at the master's level to pursue teaching upper elementary grades or high school grades, or in teaching upper level grades at General Church elementary schools. A minor in education builds the skills of communication, planning, organization, and reflection, which are desirable abilities in many careers. Please note: the Education Minor is not open to ID majors with education as one of the two areas. Direct questions about the education minor to Nina Phillips, program advisor.

#### Graduation Requirements for the Education Minor:

- Completion and submission of the standard minor application form **by February 1<sup>st</sup>** of the year of a student's graduation
- An overall GPA of 2.00
- Meeting all of the Core, Residency, and Major Requirements for graduation
- A grade of C- or better in all coursework used to fulfill the education minor
- Completion of the education minor course requirements outlined below

#### Course Requirements for the Education Minor:

Students are required to complete at least 16 credits of coursework as follows:

- SpEd 111 (Introduction to Special Education) and three more credits in an introductory course: Ed 128 or Ed 271 or Ed 201
- SpEd 331 (Classroom Management and Behavior Support) or SpEd 212 (Supporting Children with Disabilities)
- Six more credits in curriculum design and methods or human development/ed psych
- Field Experience/Internship (for one to three credits)

### English Minor

The English minor provides students an opportunity to engage with a variety of significant literature and to further develop skills in reading, writing, and analytic thinking. Such skills serve as a powerful supplement to other majors, enhancing a student's marketability to numerous employers upon graduation. The English minor is not open to ID majors with English as one of the two areas. Direct questions about the English minor to Dr. Kristin King, program director.

#### Graduation Requirements for English Minor:

- Completion and submission of the standard minor application form **by February 1<sup>st</sup>** of the year of a student's graduation
- An overall GPA of 2.00
- Meeting all of the Core, Residency, and Major Requirements for graduation
- Grade of C- or better in each course used to fulfill the minor requirements



- Completion of the six course requirements described below (18 credits)

#### **Course Requirements for the English Minor:**

- Any two of the following survey courses:
  - English 218 – American Literature 1
  - English 219 – American Literature 2
  - English 220 – British Literature 1
  - English 221 – British Literature 2
  - English 235 – Shakespeare
- Any one of the following writing courses:
  - Writing 211 – Creative Writing
  - Writing 212 – Creative Nonfiction Writing
  - Writing 213 – Advanced Rhetoric and Exposition
- Any two other 200-level+ English or writing courses\*
- Any one 300-level English literature course

\*Note: With permission, English 105 (a rotating topics course) may fulfill one 200-level requirement if it is taken twice as different subjects.

#### **Finance Minor**

The minor in finance provides students majoring in the liberal arts with specific knowledge and skills related to finance. The finance minor is not open to Business majors or ID majors with business as one of their two areas. Direct questions about the finance minor to Ethan King, program director.

#### **Graduation Requirements for Finance Minor:**

- Completion and submission of the standard minor application form by **February 1st** of the year of a student's graduation
- An overall GPA of 2.00
- Meeting all of the Core, Residency, and Major Requirements for graduation
- A grade of C– or better in all coursework used to fulfill the business minor.
- Completion of the Finance Minor Course Requirements outlined below

#### **Course Requirements for the Finance Minor:**

- Business 141 – Accounting I
- Business 142 – Accounting II
- Economics 132 with a grade of B– or better – Microeconomics
- Mathematics 140 or 150 – Elements of Calculus or Calculus I
- Business 301 – Business Ethics
- Business 320 – Financial Management
- Business 321 or 327 – Advanced Financial Management or International Financial Management
- Three-credit course at any level in Economics or 200+-level in Business or Communications

### History Minor

The discipline of history examines past human societies and their approaches to vital questions and problems by exploring the complex web of cause and effect through time. Students pursuing the history minor are exposed to a variety of historical cultures and challenged to explain the implications of choice in human history. Direct questions about the history minor to Dr. Sean Lawing, program director.

#### Graduation Requirements for the History Minor:

- Completion and submission of the standard minor application form by **February 1st** of the year of a student's graduation
- An overall GPA of 2.00
- Meeting all of the Core, Residency, and Major Requirements for graduation
- A grade of C- or better in all coursework used to fulfill the medieval studies minor
- Completion of at least 15 credits of the history minor course requirements outlined below

The History minor is not available to Human Society majors.

#### Course Requirements for the History Minor:

Students are required to complete at least 15 credits of History coursework as follows. Upper-level credits in History courses may be substituted for lower-level credits. History 305, a rotating topics course, may be repeated for credit provided topics are different.

- 3 credits 100-level
- 6 credits 200-level
- 6 credits 300-level

### Marketing Minor

The minor in marketing provides students majoring in the liberal arts with specific knowledge and skills related to marketing. The marketing minor is not open to Business majors or ID majors with business as one of their two areas. Direct questions about the marketing minor to Ethan King, program director.

#### Graduation Requirements for Marketing Minor:

- Completion and submission of the standard minor application form by **February 1st** of the year of a student's graduation
- An overall GPA of 2.00
- Meeting all of the Core, Residency, and Major Requirements for graduation
- A grade of C- or better in all coursework used to fulfill the business minor.
- Completion of the Marketing Minor Course Requirements outlined below

#### Course Requirements for the Marketing Minor:

- Economics 131 or 132 with a grade of B- or better – Macroeconomics or Microeconomics
- Mathematics 130 or 330 – Statistics or Probability
- Communications 130 – Introduction to Graphic Design

- Business/Writing 220– Business Communications
- Business 254 – Principles of Marketing
- Business 256, 264, or 354 – Principles of Sales, or Sports Marketing, or Marketing Research
- Business 301 – Business Ethics
- Three-credit course at any level in Business or Economics or 200+-level in Communications

### Mathematics Minor

The minor in mathematics provides students majoring in the liberal arts with exposure to a variety of analytical tools to help students solve complex problems. Please note: the Mathematics minor is not open to ID majors with mathematics as one of their two areas. Direct questions about the Mathematics minor to Dr. Neil Simonetti, program director.

#### Graduation Requirements for Mathematics Minor:

- Completion and submission of the standard minor application form **by February 1<sup>st</sup>** of the year of a student's graduation
- An overall GPA of 2.00
- Meeting all of the Core, Residency, and Major Requirements for graduation
- Unless specified, students must achieve a grade of C– or better in all coursework used to fulfill the mathematics minor
- Completion of the courses outlined below

#### Mathematics Minor Course Requirements:

- Mathematics 150, 151 – Calculus I and II
- Mathematics 240 – Linear Algebra
- Four additional courses at the 200-level or higher, with at least two at the 300-level
  - One of these 200-level courses may be replaced by CSci220 or Phys210

### Medieval Studies Minor

The medieval studies minor is an interdisciplinary minor that exposes students to the history, art, religion, and culture of the Middle Ages (c. 500 CE – 1500 CE). Students in the minor come to appreciate the complexity of human experience during the medieval period and its value for understanding the development of contemporary societies. Direct questions about the medieval studies minor to Dr. Sean Lawing, program director.

#### Graduation Requirements for the Medieval Studies Minor:

- Completion and submission of the standard minor application form **by February 1<sup>st</sup>** of the year of a student's graduation
- An overall GPA of 2.00
- Meeting all of the Core, Residency, and Major Requirements for graduation
- A grade of C- or better in all coursework used to fulfill the history minor
- Completion of at least 15 credits of the medieval studies minor course requirements outlined below

### **Course Requirements for the Medieval Studies Minor:**

Students are required to complete at least 15 credits of coursework as follows. No more than 6 credits of Fine Arts studio courses can count towards minor. Courses offered at different levels count only once towards the minor.

- Core Requirements (6 credits):
  - History 248 – The Medieval World
  - Fine Arts 112/212 – Medieval Art and Its Revivals
  
- Elective Requirements (at least 9 credits):
  - History 112. The Viking World
  - History 213. Conversion and Christianity in the Medieval North
  - History 276. Barbarians and the Fall of Rome
  - History 311. Medieval Vengeance and Justice
  - English 220. English Literature Survey I
  - English 310: Chaucer and Medieval English Literature
  - English 320. The English Language
  - Fine Arts 128/228. Stained Glass Painting
  - Fine Arts 258. Stained Glass Survey
  - Religion 284. Christian Religious History. (Comparative)
  - Religion 295. Islam. (Comparative)
  
- Supplemental Courses (not required but recommended):
  - Latin 110. Beginning Latin I.
  - Latin 111. Beginning Latin II

### **Philosophy Minor**

Students who minor in philosophy will develop their critical thinking skills and their ethical literacy. This minor provides students with a grounding in our intellectual heritage, our commitment to certain values, and an exploration of life's most significant and fundamental questions. Philosophy encourages a special kind of critical openness through reflection on topics such as politics, morals, science, religion, and the ideas of the great thinkers. Students taking courses such as Phil102, 220, 240, and 340 may use these courses to fulfill core requirements as well as requirements for the minor. Please note: the Philosophy minor is not open to ID majors with philosophy as one of their two areas. Direct questions about the Philosophy minor to Dr. Dan Synnestevedt, program director.

### **Graduation Requirements for the Philosophy Minor:**

- Completion and submission of the standard minor application form **by February 1<sup>st</sup>** of the year of a student's graduation
- An overall GPA of 2.00
- Meeting all of the Core, Residency, and Major Requirements for graduation
- Completion of the courses outlined below, which must be passed with a grade of C- or better

### **Course Requirements for a Philosophy Minor:**

- Phil101 (Critical Thinking)
- Phil102 (Introduction to Philosophy/Worldviews)
- One history of philosophy course: either Phil210 (Ancient) or Phil211 (Modern)

- One axiological (value theory) course: Phil111 (Moral Philosophy), or Phil/PSci220 (Political Thought), or Phil340 (Bioethics)
- Phil311 (Contemporary Philosophy)
- One additional 200-level philosophy course, or above, with the condition that of the five philosophy courses in the minor, two must be at the 300-level
- One of the following Religion courses: Rel205 (God, Man, & Creation), Rel210 (Divine Providence), Rel335 (The Human Mind), Rel272 (Advanced Religious Ethics), Rel273 (Religion and Marriage).  
Note that these religion courses also help fulfill the religion residency requirement

### Psychology Minor

The Psychology Minor provides a valuable opportunity for students involved in other academic areas of study to enhance their knowledge of human behavior, motivation, decision-making, and interactions. Please note: The Psychology Minor is not available to ID students with psychology as one of their ID areas. Direct questions about the Psychology Minor to Kiri K. Rogers, program director.

#### Graduation Requirements for the Psychology Minor:

- Completion and submission of the standard minor application form **by February 1<sup>st</sup>** of the year of a student's graduation
- An overall GPA of 2.00
- Meeting all of the Core, Residency, and Major Requirements for graduation
- Completion of the courses outlined below, which must be passed with a grade of C- or better

#### Course Requirements for the Psychology Minor:

- Prerequisites: Students will only be considered for the minor after completing the following course (3 credits)
  - Psychology 101: Introductory Psychology (Must be a C- or better)
- Common Requirements: 15 credits of psychology courses at a 200 level or above with a C- or better:
  - Psychology 201: Abnormal Psychology
  - Psychology 203: Personality Theory
  - Psychology 301: Theory and Practice of Psychological Counseling
  - Psychology 305: Physiological Psychology (prerequisite: Bio 120, 122, or 123)
  - Psychology 307: Psychological Measurement
  - Psychology 382: Seminar in Death and Dying
  - Psychology 204: Human Development
  - Psychology 205: Social Psychology
  - Psychology 220: Cognitive Psychology
  - Psychology 285: Positive Psychology: The Science of Living Happily
  - Psychology 341: Human Development: Adult Altruism
  - Psychology 380: Seminar in Forensic Psychology
  - Psychology 230: Psychology and Spirituality

The psychology minor will be considered complete after students achieve an average of a C or 2.0 in the

above courses by graduation.

### Religion Minor

A religion minor is offered with most other majors. Interested students should direct questions and/or apply to the program director, Rev. Scott Frazier, no later than the end of junior year.

#### Graduation Requirements for the Religion Minor:

- Completion and submission of the standard minor application form **by February 1<sup>st</sup>** of the year of a student's graduation
- Meeting all of the Core, Residency, and Major Requirements for graduation
- An overall GPA of 2.00
- 15 credits (5 courses) beyond the courses taken to satisfy the religion residency requirements in the freshman and sophomore years
- Completion of the Religion Minor Course Requirements below
- To enter and remain in the Religion Minor requires an overall GPA of 2.00, with 2.50 in religion courses

#### Course Requirements for Religion Minor:

- Two courses in 300-level religion
- One comparative religion course (Rel. 193, 283, 284, 295, 296)
- One scriptural course (Rel. 123, 220, 221, 222, 223, or History 240)
- No more than two courses from major or minor related courses (see religion major)

## Graduate Programs

Bryn Athyn College offers three graduate degree programs: a Master of Science in Special Education, a Master of Arts in Religious Studies, and a Master of Divinity. The Master of Arts in Religious Studies program enables students not looking towards ordination to undertake an in-depth study of the Heavenly Doctrines of the New Church at a graduate level, while the Master of Divinity is a three year professional degree leading towards ordination as a priest in the General Church of the New Jerusalem. Bryn Athyn College also offers a Graduate Certificate in Language-Based Learning Disability and Intervention Studies.

### The Master of Science in Special Education

Bryn Athyn College's Master of Science in Special Education is focused on literacy. Students with language-based differences aren't the only students who struggle with learning to read and write. Our program's emphasis on the research behind teaching literacy will equip you with in-depth knowledge about how to best help all students learn to read and write. Whether you are looking to add the Pennsylvania Pre-K to 8 special education certification to your existing general education certification or to deepen your knowledge of how to meet the needs of students with learning differences, our curriculum is designed with you in mind. Providing one-on-one advising ensures a graduate program that is tailored to your professional experience and needs. We provide extensive support to teachers already in the field both during and after completion of our program. Additionally, our cohort model gives you the ongoing support and collegiality of a professional learning community.

Interested students should direct questions to Dr. Kelly Ballard, the director of the MS in Special Education program.

#### Application Requirements for the MS in Special Education

- A Bachelor's degree from an accredited institution, or the equivalent.
- An undergraduate GPA of at least 3.0
- Required Pennsylvania Clearances
- International students who are not native English speakers must submit TOEFL scores. The minimum TOEFL scores accepted are 213 if the test was taken by computer, or 550 if it was written.
- Completion and submission of application form and additional supporting materials to Dr. Kelly Ballard, director of the MS in Special Education program.

#### Graduation Requirements for the MS in Special Education

- Graduation requires the completion of 31 credits
- A minimum overall GPA of 2.70
- Completion of MS Course Requirements within seven years of commencing classes
- Satisfactory completion of a capstone thesis or capstone project

#### Course Requirements for the MS in Special Education

- **Required Courses** (required of all degree-seeking students)
  - Special Education 500. Spiritual Perspective on Special Education
  - Special Education 511 Contemporary Issues
  - Special Education 512. Family and Community Partnerships.

- Special Education 513. Research-Based Intervention Strategies
- Special Education 570. Social-Emotional Development for Students with Language-Based Learning Disabilities
- Special Education 520. Educational Assessment
- Special Education 550. Methodologies: Specially Designed Instruction for High-Incidence Disabilities
- Special Education 560. Foundations for Literacy
- Special Education 585. Comprehensive Literacy Instruction for Students with Language-Based Learning Disabilities
- Special Education 690. Graduate Capstone
- **Required for Pre-K to 8 Special Education Certification**
  - Special Education 691. Student Teaching in Special Education
- **Elective**
  - Special Education 692. Teacher Residency in Special Education

## Graduate Certificate in Language-Based Learning and Disability Studies

Our unique certificate program is designed to prepare teachers with the expertise to meet the needs of students with language-based disabilities.

Interested students should direct questions to Dr. Kelly Ballard, the director of the Graduate Certificate.

### Application Requirements for the Graduate Certificate in Language Based Learning and Disability Studies

- Official sealed transcript(s) of undergraduate/graduate coursework
- A Bachelor's degree from an accredited institution, or the equivalent.
- An undergraduate GPA of at least 3.0
- International students who are not native English speakers must submit TOEFL scores. The minimum TOEFL scores accepted are 213 if the test was taken by computer, or 550 if it was written.
- Completion and submission of application form and additional supporting materials to Dr. Kelly Ballard, director of the MS in Special Education program.

### Graduation Requirements for the Graduate Certificate in Language Based Learning and Disability Studies

- Graduation requires the completion of 15 credits
- A minimum overall GPA of 2.70



## Course Requirements for the Graduate Certificate in Language Based Learning and Disability Studies

- **Required Courses** (required of all degree-seeking students)
  - Special Education 513. Research-Based Intervention Strategies
  - Special Education 534 Universal Design for Learning & Assistive Technology
  - Special Education 560. Foundations for Literacy
  - Special Education 570. Social-Emotional Development for Students with Language-Based Learning Disabilities
  - Special Education 585. Comprehensive Literacy Instruction for Students with Language-Based Learning Disabilities

## The Master of Arts in Religious Studies

This program makes it possible for students to explore New Church teachings in detail. In order to take advantage of the program's offerings, a basic familiarity with the underlying teachings of the Theological Writings of Emanuel Swedenborg and New Church thought and a liberal arts background are expected. Although background in the sacred languages is not required, any familiarity with Hebrew, Greek, or Latin is beneficial. Being able to communicate clearly and fluently in English, both written and spoken, is essential. The degree program emphasizes theology, provides opportunities to explore some secular areas, and allows a student to develop an integrative thesis.

The full course of study may be taken for the degree, or a limited number of courses selected on personal interest may be taken. Interested students should direct questions to Rev. Dr. Thane Glenn, the director of the MARS program.

### Application Requirements for the MA in Religious Studies

- Interested applicants should hold a Bachelor's degree from an accredited institution, or the equivalent.
- An undergraduate GPA of at least 2.50
- International students who are not native English speakers must submit TOEFL scores. The minimum TOEFL scores accepted are 213 if the test was taken by computer, or 550 if it was written.
- Completion and submission of application form to Rev. Dr. Thane Glenn, director of the MARS program.

### Graduation Requirements for the MA in Religious Studies

- Graduation requires the completion of 30 credits
- A minimum overall GPA of 2.70
- Completion of MA Course Requirements within seven years of commencing classes
- Satisfactory completion of a thesis (or the equivalent option for English Language Learner students)

### Course Requirements for the MA in Religious Studies

- **Required Courses** (required of all degree-seeking students)
  - Religious Studies 510. Methodological Approaches to Religious Studies—An Introduction

- Theology 514. Doctrine of the Lord
- Theology 518. Doctrine of the Word
- Religious Studies 598. Thesis I
- Religious Studies 599. Thesis II
- Elective Theology Courses (at least two required)
  - Theology 501. The Heavenly Doctrines as Systematic Theology
  - Theology 505. Universal Doctrines of the New Church I
  - Theology 506. Universal Doctrines of the New Church II
  - Theology 510. Studies in the Arcana Coelestia
  - Theology 513. Transitions, Perspectives of Death and Resurrection (1 credit)
  - Theology 515. The Spiritual World
  - Theology 520. The Last Judgment, the Second Coming, and the New Church
  - Theology 522. The Doctrine of Life (1.5 credits)
  - Theology 523. Regeneration
  - Theology 524. Conjugal Love
  - Theology 526. The Old Testament
  - Theology 528. The New Testament
  - Theology 535. The Human Mind
  - Theology 580. History of New Church Doctrine
  - Theology 599. Independent Study
- Other Elective Courses
  - Church History 584. Christian Church History
  - Church History 585. Modern Church History 1750 to the Present
  - Church History 587. Divine Presence over Five Dispensations (1.5 credits)
  - History 515. Seminar on the Age of Enlightenment
  - History 550. Swedenborg's Life and Times
  - Philosophy 520. Swedenborg's Philosophy I
  - Philosophy 521. Swedenborg's Philosophy II
  - Psychology 501. Counseling and Clinical Psychology
  - Religious Studies 541. Ancient Word Studies
  - Religious Studies 572. Spiritual Development and the Educator
  - Sociology 540. Seminar in the Sociology of Religion

### **Thesis Requirements for the MA in Religious Studies**

The thesis is the capstone of the program and is required of all students who have a sufficient proficiency in English. The question explored in the thesis should be built upon the course of study undertaken by the student. The purpose of the thesis is to help the student integrate his or her own program. The thesis gives the student the opportunity to analytically use a doctrinal framework to examine some specific intellectual concern. English Language Learner (ELL) students may opt to take two additional courses and a comprehensive exam rather than write a thesis.

## The Master of Divinity Degree

The Master of Divinity program is a three-year program that leads to ordination in the General Church of the New Jerusalem. The program rests upon three supports: doctrinal study, communication skills, and experiential learning. Each plays a vital role in preparing men to “teach the truth and lead by means of it to the good of life.”

Doctrinal study forms the primary foundation of the New Church ministry. A minister needs to be conversant with the teachings of the Old and New Testaments, and particularly with the teachings for the New Church, known as the “Heavenly Doctrines.”

Communication skills provide students with the ability to teach and lead in the light of doctrinal study. Skills developed in this part of the program equip the future minister to communicate the message of the New Church effectively in a variety of situations.

Experiential learning is the final support of training for the ministry. The experiential component of ministerial training is designed to bring students into contact with a range of people of different ages and different settings. The “learning” refers to the on-going discussion and measurement as students integrate their doctrinal knowledge and communication skills with people.

### Application Requirements for the Master of Divinity Program

Applicants to the Master of Divinity program should have a Bachelor’s degree from an accredited institution, or equivalent.

In keeping with the doctrinal position of the General Church of the New Jerusalem that the ministry is a masculine use, admission to the Master of Divinity Program is only open to males who have been baptized into the faith of the New Church and joined the General Church of the New Jerusalem.

### Graduation Requirements for the Master of Divinity Program

- Students must complete and pass all of the Undergraduate and Graduate Course Requirements outlined below.
- Students must maintain a GPA of at least 3.00.

### Undergraduate Course Requirements for the Master of Divinity Degree

- Latin 250. Swedenborg’s Theological Latin I (presupposes successful completion of Latin 110 and 111)
- Latin 251. Swedenborg’s Theological Latin II
- Philosophy 321. Swedenborg’s Philosophy (his “search for the soul”)
- Religion 220. The Torah OR Religion 221. The Histories and Prophets of the Old Testament
- Religion 222. The Gospels

### Graduate Course Requirements for the Master of Divinity Degree

The Master of Divinity program is comprised of the specific set of courses listed below. Each cohort of incoming students is given a three year program containing the following courses:

- Theology 601. Heavenly Doctrines as Systematic Theology

- Theology 612. Doctrine of the Lord: The Incarnation
- Theology 614. Studies on the Glorification I
- Theology 616. Studies on the Glorification II
- Theology 620. The Revelation Given to the New Church
- Theology 626. Themes in the Old Testament
- Theology 628. Themes in the New Testament
- Education 631. Instructional Methods and Design for Religion
- Education 634. Delivering and Managing Religious Instruction
- Theology 640. Seminar on the Divine Providence
- Theology 642. The Human Mind and Its Regeneration
- Theology 646. Conversations on Marriage
- Theology 660. Doctrine of the Spiritual World I: Death, resurrection, early states after death, vastation, punishment
- Theology 662. Doctrine of the Spiritual World II: Realities of spiritual world, as portrayed in the book Heaven and Hell
- Theology 668. The Apocalypse & Last Judgment
- Church History 682. History of the Most Ancient, Ancient, and Israelitish Churches
- Church History 684. The Christian Church: Rise and Fall
- Church History 686. Swedenborg's Life and Call
- Church History 687. New Church History
- Theology 690. Doctrine Concerning New Church Evangelization
- Theology 691. Doctrine Concerning New Church Education
- Theology 695. Dissertation Writing
- Workshop 710. Pastoral Orientation
- Communication 716.
- Communication 718.
- Workshop 720. Speech I: Public Speaking & Interpersonal Communication
- Workshop 724. Speech II: Concepts in Interpersonal Communication
- Workshop 728. Speech III: Advanced Concepts in Public Speaking and Interpersonal Communication
- Theology 841-842. Church Government
- Counselling 844-845. Introduction to Pastoral Counseling
- Counselling 846. Bereavement, Death and Dying
- Pastoral Theology 848. Priestly Duties
- Pastoral Theology 851. Liturgics: Doctrinal Foundations
- Pastoral Theology 852. Liturgics: Orders of Services for Worship
- Pastoral Theology 853. Liturgics: Rites and Sacraments
- Conflict Resolution 860. Conflict Resolution

- Business 864. Pastoral Business
- Homiletics 911. Principles of Exposition
- Homiletics 921. Sermons from Old Testament Texts
- Homiletics 922. Children's talks.
- Homiletics 923. Sermons from the Prophets and New Testament Texts
- Homiletics 932. Successful Communication in Sermon Writing
- Homiletics 933. Festival and Special Services
- *In addition to these courses, students will each complete one thirty hour per term assignment in Experiential Education, overseen and evaluated by the Theological School faculty. A total of six terms of Experiential Education are required.*

## Internship Program Policies

Students can take advantage of internship opportunities to explore career options or for self-exploration. Internships may be paid or unpaid and generally last an entire term, but other schedules can be arranged with faculty approval. While students will be offered guidance and contacts in designing an internship, the student is responsible for securing internship openings. We expect our interns to represent Bryn Athyn College with integrity and professionalism. Each program has unique internship requirements, which may include papers and/or presentations, but all require a formal learning plan with specific goals and a reflective component such as a field journal.

Internships are generally awarded credit at 50 hours per credit, thus a 3 credit internship requires 150 hours. Students can earn up to 3 credits per term via internships but only a total of 12 internship credits can be applied toward the credit requirement for a baccalaureate.

### Internship Requirements

- Completion of two full terms at Bryn Athyn College
- A cumulative GPA of 2.50 or better
- Good academic and disciplinary standing (i.e., not on warning or probation for academic, academic misconduct, or disciplinary reasons).
- GPA waivers can be requested from the Director of Experiential Education and need approval by the Dean of Academics

### Internship Variants and Related Policies

#### General Internships (EE198-298):

For 100-200 level general internships added to a regular academic load, students apply to Director of Experiential Education, Laura Nash. All general internships require a syllabus, reflective component (e.g., journal), and a summary or analytical component (e.g., essay, paper, or presentation). Students earn variable credit (up to 3 per term) depending on hours completed.

#### Major-related Internships (298/398 levels):

For major-related internships added to a regular academic load, students apply to the faculty member in charge of the subject area or, in some cases to the Director of Experiential Education. All major-related internships require a syllabus, reflective component (e.g., journal), and a summary or analytical component (e.g., essay, paper, or presentation). Students earn variable credit (up to 3 per term) depending on hours completed.

#### Summer Internships:

Summer internships are Bryn Athyn College courses and are recorded for the summer session. Students pay an internship fee equivalent to 0.5 credits, regardless of the number of credits earned, plus any additional costs needed to cover faculty oversight, as relevant. The registration deadline for summer internships is May 1. Internships performed during the summer may not be recorded in a term other than the summer session, even if preparatory work is undertaken in an earlier term. Students earn variable credit (up to 3 per term) depending on hours completed.

### Distance Internships:

Students can conduct internships at a distance from the campus but only as part-time students, since they will not be able to take a regular academic load. Students earn variable credit (up to 3 per term) depending on hours completed but the summer internship fee structure applies (see above).

## Service Project Policy

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

## International Opportunities

Bryn Athyn College offers opportunities for international experiences through its internship and study abroad programs.

### Study Abroad

Bryn Athyn College has established study abroad programs that allow undergraduate students to study abroad for a semester, year, or summer. Periodically, short term, faculty led study abroad trips are offered over breaks.

Credits earned while studying abroad can be applied to academic programs at Bryn Athyn College subject to approval. Students should meet with their academic advisors prior to departure to work out a course of study that meets their program needs. Students may use some types of financial aid to meet the costs of studying abroad. The Financial Aid Office will advise students on their financial aid eligibility.

Students must apply and be approved to participate in Bryn Athyn College's study abroad program. The application process is managed by the Study Abroad Coordinator, who advises students on all aspects and throughout the process of studying abroad. Interested students should contact Dr. Sean Lawing, Study Abroad Coordinator (sean.lawing@brynathyn.edu; 267-502-2798), for application information and deadlines.

### Study Abroad Requirements

To qualify for study abroad on semester and year programs students must:

- Be full-time students
- Have completed at least three terms
- Be in good academic and disciplinary standing
- Have a cumulative GPA of 2.50 or higher
- Meet the minimum academic and application standards of the host institution prior to acceptance for study.
- Have health insurance for the duration of their study abroad. Some programs require that this be purchased on site

## Study Abroad Program Types

### International Academic Exchange Programs

Bryn Athyn College maintains two international academic exchanges. Academic exchange partners are universities with which Bryn Athyn College has a cooperative agreement whereby students pay tuition and fees at the home institution and room, board, and special fees at the host institution. Although some courses may be taught in English, students should possess intermediate proficiency in the language of the host country. The following is a list of Bryn Athyn College academic exchanges. Details on these programs can be found on the web at: <http://www.brynathyn.edu/>.

- Université Bordeaux Montaigne (France)
  - Students take courses in the North American Studies Department at the Université taught in English and/or study at the Institute for Learning French as a Foreign Language (DEFLE).
- Universität Osnabrück (Germany)
  - Students take courses in the Department of Language and Literature at the Universität taught in English while pursuing German language courses at the Language Center.

### Other Study Abroad Programs

- University of Edinburgh
  - Bryn Athyn College maintains an agreement with the University of Edinburgh that facilitates Bryn Athyn students' status there as study abroad students. Satisfying the requirements of an additional application, made directly to the University of Edinburgh, is necessary. All costs of attending are paid directly to the University of Edinburgh. Courses taken for credit at the University of Edinburgh are transferred in to Bryn Athyn College upon completion.
- Other Recommended and Self-Created Study Abroad Programs
  - The Study Abroad Coordinator maintains a list of recommended study abroad programs.
  - Subject to approval, students may also create for themselves an appropriate program of study in their area of interest.

## Pop-Up Classes

Pop-up classes are short 1 credit or ½ credit classes that do not follow the regular term or block schedule. They are pass/fail classes that provide elective credit. They cannot be used to fulfill program requirements. Students can apply up to 8 credits from pop-up classes toward a degree.



## Reserve Officers' Training Corps (ROTC)

### **Air Force Reserve Officer Training Corps (AFROTC)**

Bryn Athyn College undergraduate students are eligible to participate in the AFROTC through a cross-enrollment agreement with St. Joseph's University. All aerospace studies courses will be held on the St. Joseph's campus. The AFROTC program enables a college student to earn a commission as an Air Force officer while concurrently satisfying requirements for a baccalaureate degree.

The AFROTC program offered through Detachment 750 at Saint Joseph's University offers college students a three- or four-year curriculum leading to a commission as a Second Lieutenant in the United States Air Force (USAF). In the four-year option, a student (cadet) takes General Military Course (GMC) classes during their freshmen and sophomore years, attends a 4-week summer training program between their sophomore and junior years, and then takes Professional Officer Course (POC) classes during their junior and senior years. Cadets in the three-year option will be dual-enrolled in both GMC classes during their sophomore year, attend a summer training program, and take POC classes during their junior and senior years. A cadet is under no contractual obligation with the USAF until entering the POC or accepting an AFROTC scholarship. The GMC curriculum focuses on the scope, structure, organization, and history of the USAF with an emphasis on the development of airpower and its relationship to current events. The POC curriculum concentrates on the concepts and practices of leadership and management, and the role of national security forces in American society.

In addition to the academic portion of the curricula, each cadet participates in a two-hour Leadership Laboratory (LLAB) and two hours of Physical Training (PT) each week. Both LLAB and PT utilize the cadet organization designed for the practice of leadership and management techniques.

Further information on the AFROTC program at Saint Joseph's University can be found at [sites.sju.edu/afrotc](http://sites.sju.edu/afrotc), or students can contact detachment personnel directly at:

Unit Admissions Officer

AFROTC Detachment 750

Saint Joseph's University

Philadelphia, PA 19131

Phone: 610-660-3190

Email: [rotc@sju.edu](mailto:rotc@sju.edu)

## **Army Reserve Officers' Training Corps (AROTC)**

The military science courses are held at Temple University's main campus and are taught by the University's Department of Military Science. Students enroll for the courses at Bryn Athyn College and pay Bryn Athyn College tuition fees. Credit is earned both at Bryn Athyn College and Temple University. Before enrolling in a course, a student must get permission from the Temple Department of Military Science (Room 410, Ritter Hall Annex, 215-204-7480).

AROTC is an elective curriculum taken along with required college classes. It gives the tools, training, and experiences to build success in any competitive environment. Along with leadership training, AROTC can pay for college tuition. Because AROTC is an elective, students can participate during freshman and sophomore years without any obligation to join the Army. Students have a regular college experience like other students on campus, but upon graduation they become commissioned officers in the Army. At that point, students will have a wide range of interest areas (called branches) for specialization.

The Basic Course takes place during the first two years in college as elective courses. It normally involves one elective class and lab each semester along with the requisite physical training and field training exercises. Students learn basic military skills and the fundamentals of leadership, and they start the groundwork toward becoming an Army leader. Students may take AROTC Basic Courses without a military commitment.

Basic Course subjects include: Introduction to Army Leadership, Army Customs and Traditions, Military Operations and Tactics, Goal Setting and Mission Accomplishment, Applied Leadership Theory, Principles of War, Stress Management, and Health and Physical Fitness.

The Advanced Course takes place during the last two years in college as elective courses. It normally includes one elective class and lab each semester in addition to the requisite physical training and field training exercises, plus a summer leadership camp. Students learn advanced military tactics and gain experience in team organization, planning, and decision-making. To benefit from the leadership training in the Advanced Course, all Cadets must have completed either the Basic Course or have attended the Leader's Training Course. Entering the Advanced Course requires a commitment to serve as an Officer in the U.S. Army after graduation.

Advanced Course subjects include: Command and Staff Functions, Law of War, Weapons, Team Dynamics and Peer Leadership, Military Operations and Tactics, Training the Force, Military Justice, Ethical Decision Making, Personnel Management, Cultural Awareness, and Post and Installation Support.

Two-, three-, and four-year scholarships are available for students who meet qualification standards. Contact the recruiting officer at (215) 204-7482 or see the information at <http://www.goarmy.com/rotc/schools/temple-university.html>.