

Art and Design at Arcadia University

Global Perspectives...Personal Attention...Real-World Integrative Learning Experiences

Faculty

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Abbey Ryan
Justin Staller
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Meredith Warner
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Degree/Concentrations

Bachelor of Fine Arts in Art

Ceramics
Graphic Design
Interior Design
Metals and Jewelry
Painting
Photography
Printmaking

Options in Combination with a Studio Concentration

Art Education Certification
Pre-Art Therapy

Bachelor of Arts in Art

Pre-Art Therapy
Studio Art

Bachelor of Arts in Art History

Bachelor of Arts in Scientific Illustration

Minors

Art History
Studio Art

Related Graduate Study at Arcadia University

Master of Arts in Humanities with a Concentration in Art and Design

Master of Arts in Education in Art

Master of Education in Art Education

Pathways to Study Abroad in Art and Design

The Art and Design Department strongly encourages students to take full advantage of the study abroad opportunities that Arcadia University offers. Art and Design majors have traditionally spent a semester or more abroad. Opportunities exist in many countries including England, Ireland, Scotland, Australia and Italy.

Art and Design majors need to meet with their advisers as freshmen to plan study abroad options. Almost all concentrations in Art and Design have sequenced courses, which are taken in a specific order. Certain concentrations only permit study abroad during a specific semester. Careful planning is essential to avoid having to take an extra semester or year to complete the degree.

Visit the University's Web site for Pathways to Study Abroad (www.arcadia.edu/pathways) in Art and Design. Since it is important that students plan ahead for study abroad, they should consult with their advisers as soon as possible and make their intentions known to

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the Department Chair and the Director of International Services.

Below are some but not all of the schools at which Art and Design majors can study. In addition to formal classes, there are internship programs in England, Ireland, Scotland and Australia.

Specific Art Programs Abroad

The Burren College of Art (Ireland)
The Glasgow School of Art (Scotland)
The Slade School of Fine Arts (England)
The Queensland College of Art (Australia)
Victorian College of Art (Australia)

Studio Art/Design Courses Abroad

Westminster University (United Kingdom)
Lancaster University (United Kingdom)
Manchester University (United Kingdom)
Australian National University (Australia)
James Cook University (Australia)
Queensland University of Technology (Australia)
University of Queensland (Australia)
Victoria University (New Zealand)
Goldsmiths College (United Kingdom)
Middlesex University (United Kingdom)
University of New South Wales (Australia)
Wollongong University (Australia)
Monash University (Australia)
The Accademia Italiana in Florence (Italy)
The Umbra Institute in Perugia (Italy)

About the B.F.A. in Art, B.A. in Art, and B.A. in Art History

- Preparation for professional careers in graphic design, interior design, art therapy
- Preparation for teaching
- Preparation for graduate study
- Specialty in Scientific Illustration
- Traditional studio arts preparation
- Nationally recognized Art Gallery
- Internships, fieldwork and other real-world experiential learning
- Opportunities to study abroad at some of the top universities around the world

Arcadia's nationally recognized program in Art and Design, in combination with a liberal arts environment, provides students with a unique atmosphere to grow creatively and intellectually. The Department believes that the

art and imagery of the past and present together shape an individual's self and cultural identity, and it educates students to become artists who will develop keen powers of observation, communication and inquiry, technical and formal excellence, and a creative spirit.

Accreditation: The Department is fully accredited by the National Association of Schools of Art and Design. Programs prepare students for professions in graphic design, interior design, scientific illustration, art therapy, art education and the traditional studio arts. The program also prepares students for graduate study. Numerous Macintosh and PC computers are available for desktop publishing, computer imaging and CAD. All Art and Design students are encouraged to become familiar with computer graphics, either through supplementary work or in workshops.

Fieldtrips/Internships: In addition to offering a wide range of academic and studio courses, the Art and Design Department schedules annual fieldtrips to area museums, including New York and Washington, D.C. Each trip relates exhibits to studio and historical concerns. Internships at museums and other businesses and organizations provide students with important professional experiences.

Scientific Illustration: The Scientific Illustration program combines study in Biology and Art and Design. Two emphases exist—Scientific Illustration and Pre-Medical Illustration. The former prepares students for careers in biological illustration, graphic design or laboratory research. The latter prepares students for graduate study in medical illustration.

Art Gallery: With a focus on traditional and contemporary art, the Arcadia University Art Gallery offers exhibits throughout the year, including works of faculty, alumni, students and nationally and internationally known guest artists. The Gallery serves as a recognized regional base of excellence in the visual arts for the general public and the entire University community.

Art and Design Philosophy

The Department of Art and Design believes it is essential to cultivate an environment that encourages aesthetic awareness, historical consciousness, critical analysis, and an

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appreciation for the role of art in a comprehensive education.

Art and Design Mission Statement

The mission of the Department of Art and Design is to maintain an educational setting that fosters creativity, analytical thinking, critical discourse and innovation through a commitment to the following:

- Technical and conceptual proficiency in the chosen area of concentration within the Department
- Technical and conceptual knowledge in the various areas of concentration within the Department
- An emphasis on critical thinking and creative production through the continued development of analytical, formal, and conceptual skills
- An understanding of the creation, production, and interpretation of art across cultural and historical contexts

This mission is realized within the context of a comprehensive liberal arts university.

The Arcadia University Art Gallery Mission Statement

The Arcadia University Art Gallery is a nationally recognized showcase for contemporary art located 12 miles north of Center City Philadelphia. Within the hybrid context defined by an Art History concentration within a liberal arts college and an active regional community of working artists and arts professionals, the Gallery's mission is to

- Provide a cultural resource that encourages dialogue about visual art among artists, the public, educators and students.
- Support artistic excellence and diversity on both a national and a local level, and define and clarify issues pertinent to contemporary practice.
- Seek to foster greater accessibility and understanding of the art of our time and to have a voice in the dialogue concerning its socio-cultural relevance.

Art and Design Overall Goals, Objectives, and Practices

Our goal is to provide a learning environment in each of our classes that will

- Cultivate critical inquiry, analysis and reflection.
- Embrace and integrate liberal arts education.
- Foster self-motivation.
- Encourage each student's sense of his/her individual vision and potential.
- Develop effective visual, oral, and written communication skills.
- Develop a working understanding of and competency with materials and techniques.
- Acquire a foundation in art history and its methodologies.
- Provide professional, safe, clean, and accessible facilities.
- Provide initiatives and opportunities for professional practices.
- Provide a network for students, faculty and alumni to engage in continuing dialogue.

Under most circumstances, Art History and studio courses are open to all students. However, for students not majoring in Art and Design, FA 102 Studio Foundations I, or FA 103 Studio Art Foundations II or FA 104 Drawing I, and either AH 111 Renaissance to Modern Art or AH 112 Egyptian to Medieval Art are prerequisites for advanced work, unless the student receives permission from the instructor. Certain 200-level studio courses fulfill non-major Undergraduate Curriculum requirements. No prerequisites are required for these courses.

Portfolio Requirements

The Art and Design Department requires a portfolio review as part of the admissions process. Each student applying to the University an Art and Design major in a B.A. or B.F.A. degree program must submit a portfolio of work before acceptance into the program is granted. Typically, portfolio reviews are conducted during the University's Fall Open House programs, Spring Portfolio Review Day in March, Countdown to Arcadia University in April (for students admitted to the University), select National Portfolio Review Days each fall, and select days during the summer.

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Specific dates are listed on the Instructions for Scheduling a Portfolio Review. (Contact the Office of Enrollment Management for an instruction sheet.) In-person reviews are preferable to those based on work mailed to the University in the form of slides or disks.

In the portfolio review, faculty look for both an interest in and commitment to art. This is important since students will be contemplating a professional career in art if they pursue the B.F.A. degree.

The type of work that could constitute a portfolio might include the following:

- Design and color studies
- Drawings from observation (still-life, landscape, figure, etc.)
- Self-portrait (any medium)
- Prints (blockprints, screenprints, etchings, etc.)
- Paintings
- Reproductions, or examples of any designs or illustrations done for high school publications or other organizations
- Architectural renderings or drawings
- Photographs
- Slides of sculpture
- Examples or slides of ceramics or metals and jewelry

It is not necessary to have all the items listed above in a portfolio, but students should include those that best represent their abilities and talents. All art programs look for evidence and skill in drawing from observation, a sense of color and design, and evidence of other creative abilities and creative thinking.

When works are small and can fit into a portfolio, then the originals are desirable. Matted works are acceptable without acetate coverings. Large, fragile, or complex works can be submitted in the format of a slide sheet or disk. (Allow enough time to prepare slides to ensure clear, color-correct representations of the work.) Students who send their portfolios should send only slides or disk.

Digital Portfolios

Images should not exceed 800 ppi x 600 ppi. Acceptable file formats are the following:

- PhotoShop PSD
- PhotoShop TIFF
- JPEG high quality
- Acrobat PDF

Other file types must be self-running and Macintosh-compatible. Please check with the Department of Art and Design before submitting. Disks should be organized in a logical manner. A list of files with descriptions, including size and medium of original, is required with the disk.

Unreadable disks will be sent back. (DO NOT SEND YOUR ONLY COPY.)

The Department and the University assume no responsibility for lost or damaged files.

The Department discourages students from submitting portfolios exclusively through a Web site.

Application without a Portfolio

Students who do not have a portfolio or have a limited portfolio still can apply to Arcadia University. If accepted to the University, the student can enroll as an undeclared major. During the 10th week of the second semester, the student must submit a portfolio to the Art and Design Department for evaluation and consideration for entry into the program. In addition, students must take the three Art and Design foundation courses: FA 102 Studio Art Foundations I, FA 103 Studio Art Foundations II, and FA 104 Drawing I. A student must meet with his or her Art and Design adviser to receive guidance on how to build a portfolio. It is the student's responsibility to submit the portfolio at the designated time. A student who fails to submit a portfolio by the required date will be denied admission to the Art and Design program.

Transfer Students

Students transferring into the University as Art and Design majors are required to submit a portfolio. The contents of the portfolio should be selected to reflect the student's abilities in the proposed area of concentration but also should contain work representing the student's overall abilities. Transfer students without a portfolio should follow the guidelines for "Application without a Portfolio."

Change of Major within the University

A student who wants to change his or her major to Art and Design is required to submit a portfolio as part of the change of major process. A student who does not have a portfolio is required to submit a portfolio at the completion of the three Art and Design foundation courses: FA 102 and FA 103 Studio Foundations, and FA 104 Drawing I. A

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student must meet with his or her Art and Design Department adviser to receive guidance on how to build a portfolio. The student is responsible for submitting the portfolio to the Art and Design Department at the completion of the foundation courses for consideration for entry into the program. A student who fails to submit a portfolio by the required date will be denied admission to the Art and Design program.

Bachelor of Fine Arts

The Bachelor of Fine Arts degree programs combine a liberal arts education with professional preparation for a career in art or design. Through courses in the humanities and sciences, students gain an understanding of the nature of art, humankind and society, which is essential to developing creative potential. Special attention is given to the major visual disciplines as a foundation for art specializations. Students are prepared for graduate study in studio art; entry-level positions in numerous art occupations connected with business and industry, government and social agencies, and future possibilities for careers as exhibiting artists. During the freshman and sophomore years, all B.F.A. students take a major in Art and a common set of courses in the basic art disciplines, including Art History. In the junior and senior years, students select one of the studio concentrations described below, with the permission of their advisers. Internships are strongly recommended and are required for some concentrations.

Ceramics: As a metaphorical vehicle, ceramics can express a wide range of views and concepts, from high technological development to expressive personal statements. Clay is a material with implications and manifestations as plastic as its own unique characteristics. Ceramic history is implicitly tied to technology, labor, art, utility, culture, and human survival. In an age when contemporary art can no longer be constrained by traditional media-specific categorizations, the Ceramics curriculum is considered in the broader context of contemporary art. A diversity of approaches is encouraged, and an experimental approach is essential.

Graphic Design: This concentration prepares students to enter the rapidly changing field of visual communication through exposure to historical and contemporary technical and theoretical issues. Coursework emphasizes

the analysis, discussion and understanding of idiosyncratic student needs balanced with the dual obligations to message and receiver.

Students are offered exposure to extracurricular opportunities ranging from participation in the AIGA Student Chapter, a national organization of visual communication to various applied projects for the University and the greater community. Students gain exposure through open critiques and public exhibitions designed to reinforce their identity as communicators who are responsible to and involved with an audience.

Interior Design: This concentration prepares students for careers as professional interior designers, with an emphasis on contemporary commercial interior design. It synthesizes fundamental principles of design, with an emphasis on the element of space related to specific design problems. Students develop awareness of the importance of scale, space, form, color, materials and light; the foundation on which interiors are built. The concentration emphasizes the ability to design architectural space and to develop creative solutions to problems of interior architecture. It introduces the principles and skills of digital drawing technology, and it encourages students to participate in local professional design organizations and regional design competitions.

Metals and Jewelry: This concentration provides creative opportunities to discover the possibilities available in working with metal and reinforces understanding of 3-D design, drawing and related studio work. Students can develop skills leading to the production of professional work. The program incorporates the history of art/craft with experience in the media. The studios are well-equipped and provide an excellent opportunity for experimentation in a variety of areas.

Painting: Building on a foundation of perceptual work, students develop a working understanding of the material and painting as visual language. Students examine the nature of seeing and consider painting as a vehicle for both visual and personal inquiry. Students grow to explore expressive possibilities through increased personal involvement and critical and theoretical awareness. For the senior thesis, a student works independently to produce a cohesive body of work borne from personal experimentation along with historical and theoretical understanding.

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Photography: This concentration emphasizes the exploration of the medium of photography. Courses integrate the examination of art historical precedent, contemporary criticism, technical process, commercial application, and the development of individual style. Individual responsibility increases as students advance. The senior thesis provides the opportunity to define and refine essential characteristics of the creative self.

Printmaking: This concentration provides a thorough knowledge of major printmaking techniques (intaglio, silk screen and relief) and emphasizes aesthetics and use of the medium to express personal style and image. Seniors work with considerable independence at a highly sophisticated technical and aesthetic level.

All B.F.A., B.A. studio, and Scientific Illustration students are required to complete a senior thesis, including an exhibition and written thesis, in their major areas. An exceptional student, with permission of the Department Chair, may complete a thesis in two major areas.

Bachelor of Arts in Art

The Bachelor of Arts degree programs are designed either for students who want a background in art but prefer to take more courses outside the Department than a B.F.A. degree would allow or for students who want to focus on Art History as their major area in the liberal arts. Students can choose one of the following concentrations.

Art History: This concentration prepares students for graduate study in art history or for entry-level positions in a number of art-related areas, including gallery and museum work. Special attention is given to the relationship of art to other humanistic disciplines, as well as to a deeper understanding of art itself and the role it plays in communities and personal lives. Studio courses are included as sound preparation in creative procedures. Courses related to the historic, philosophic, religious and social backgrounds for art are recommended, along with a strong command of one or more foreign languages. Students are strongly encouraged to obtain a museum internship from one of the many museums in the Philadelphia area.

Pre-Art Therapy: This concentration prepares students for further graduate study in art

therapy. The program develops studio skills and includes pre-professional studies in the behavioral and social sciences. The program meets the requirements of the American Art Therapy Association for graduate school entrance prerequisites.*

Studio Art: This concentration prepares students for graduate study in either studio or art history, or for a number of career areas in art-related fields, depending on the courses selected and individual interests. Students interested in two major areas—such as Art and English, or Art and languages—might elect a dual major or take a broad spectrum of courses in both areas.

Options in Combination with a B.F.A. in Art (Studio Concentrations)

Art Education Certification: This program prepares students for careers as art educators, with a foundation in 2-D and 3-D design, drawing, painting, printmaking, ceramics, metals and jewelry, computer imaging, graphic design, and art history. Teaching and professional competencies are accomplished through courses in Psychology, Education, Art Education, and student teaching. Courses provide students with an analysis of teaching and the culture of the school through observation and tutoring and through examination of current issues and topics influencing contemporary education.

Students in the B.F.A. Studio degree program (with the exception of Interior Design majors) can earn certification in Art Education. This certification provides a skilled background in the technical and historical aspects of art education as a prerequisite to teaching art in grades kindergarten through 12. The program emphasizes all arts as a means of arriving at aesthetic experiences.

Since students are required to take additional courses in liberal arts in order to meet the education certification requirements, additional time may be required to earn certification. (See separate Education section in Undergraduate Catalog.) Graduates who are recommended by the Chairs of the Education and Art and Design departments can receive the Instructional I Specialist (K–12) certificate to teach art in Pennsylvania.

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Pre-Art Therapy: Students in the B.F.A. Studio degree program can combine it with a concentration in Pre-Art Therapy. In addition to the requirement for the B.F.A. Studio degree, students are required to take the Psychology, Sociology, Anthropology and Art Therapy courses listed under the requirements for Pre-Art Therapy. Students should meet with the Chair of the Department or their advisers to discuss the additional credits.

Minor in Art History

The minor in Art History introduces students to the field and gives a broad survey from ancient to modern art. The minor is designed for students who want to combine Art History with another major area. With this background, students may be eligible to apply for graduate work in art history. Familiarity with a modern language is strongly recommended.

Minor in Studio Art

The minor in Studio Art introduces students to the techniques and methods of art and provides an understanding of the creative process. These Studio courses, in combination with an Art History course, give students a greater familiarity with cultural background in art. Since the program encompasses the basic courses, students can elect to explore art in advanced courses.

Requirements for the B.F.A. Studio Major

(84 credits as listed, with Undergraduate Curriculum requirements and electives to total 128 credits)

Students are required to take 72 credits in Studio courses and 12 credits in Art History for the B.F.A. degree.

Common Curriculum for All Concentrations

(52 credits as listed below)

1. Four courses in Art and Design
 - FA 102 Studio Art Foundations
 - FA 103 Studio Art Foundations
 - FA 104, 105 Drawing I, II

2. Three courses in Art History

AH 111	Renaissance to Modern Art
or AH 112	Egyptian to Medieval Art
AH 221	History of Modern Architecture (required for students with interior design concentration)
or AH 222	Renaissance Art
or AH 224	The Baroque and Rococo
or AH 225	The 19th Century
or LH 344	19th Century European Art (study abroad)
AH 326	Seminar: 1900 to 1950
or AH 328	Seminar: Contemporary Art
or LH 354	20th Century Art (study abroad)

3. Two studio courses from the following (excluding those in the chosen area of concentration):

FA 200	Painting I
FA 203	Printmaking I
FA 204	Ceramics I
or FA 205	Metals and Jewelry I
or FA 208	Photography I

4. Remaining Studio courses in elective areas.

Studio Concentration Additional Requirements

In addition to the Common Curriculum, students must select one of the following Studio concentrations. Permission of the Department adviser is required before students are allowed to continue in an area of concentration.

Ceramics

FA 204	Ceramics I
FA 230	Ceramics II
FA 231	Ceramics III
FA 332	Ceramics IV
At least one Studio course in Metals and Jewelry	

Graphic Design

FA 206	Introduction to Graphic Design
FA 250	Graphic Design I (Typography)
FA 251	Graphic Design II (Web Design)
FA 350	Graphic Design III (Logo Systems)

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FA 351	Graphic Design IV (Advanced Issues in Visual Communications)
FA 270	Digital Imaging

Interior Design

FA 263	Basic Principles and Practices of Interior Design
Four advanced Studio courses in Interior Design	
AH 221	History of Modern Architecture
FA 262	CADD for Interior Design
FA 265	Graphic Presentation for Interior Design

Metals and Jewelry

FA 205	Metals and Jewelry I
FA 240	Metals and Jewelry II
FA 241	Metals and Jewelry III
FA 342	Metals and Jewelry IV
At least one Studio course in Ceramics	

Painting

FA 200	Painting I
FA 201	Color and Design
FA 210	Painting II
FA 211	Painting III
FA 310	Painting IV
FA 300	Advanced Drawing
FA 304	Figure Drawing

Photography

Minimum of three advanced Studio courses in Photography	
FA 270	Digital Imaging
or FA 220	Printmaking II (Screen Printing)

Printmaking

FA 203	Printmaking I
FA 220	Printmaking II (Screen Printing)
FA 222	Printmaking III (New Forms)
FA 318	Printmaking IV
FA 200	Painting I
FA 208	Photography I
FA 300	Advanced Drawing

Thesis Requirements

FA 383	Senior Studio
FA 484	Senior Thesis Research Seminar
FA 490	Senior Thesis (in area of concentration)

Requirements for the B.A. in Art with a Concentration in Art History

(55–56 credits as listed below, with
Undergraduate Curriculum requirements and
electives to total 128 credits)

1. Ten courses in Art History

AH 111	Renaissance to Modern Art
AH 112 or G 325	Egyptian to Medieval Art Archeological Monuments of Ancient Greece (study abroad)
AH 221	History of Modern Architecture
AH 222	Renaissance Art
AH 224	The Baroque and Rococo
AH 225 or LH 344	The 19th Century 19th Century European Art (study abroad)
AH 326 or LH 354	Seminar: 1900–1950 20th Century Art (study abroad)
AH 328	Seminar: Contemporary Art
AH 385 or AH 387	Studies in the History of Art
AH 490	Internship in Art History Senior Thesis

2. Two courses in Art and Design

FA 102	Studio Art Foundations
or FA 104	Drawing I
FA 103	Studio Art Foundations

3. Three Studio courses, covering at least two areas, from the following:

Ceramics
Graphic Design
Interior Design
Metals and Jewelry
Painting
Photography
Printing

4. Recommended

CM 150	Introduction to Film
HS 101	Ancient Civilization
HS 102	Medieval Civilization

Requirements for the B.A. in Art with a Concentration in Studio Art

(52 credits, plus Undergraduate Curriculum requirements and electives to total 128 credits)

1. Two courses in Art and Design
 - FA 102 Studio Art Foundations
 - FA 103 Studio Art Foundations
 - FA 104 Drawing I
2. Two courses in Art History from the following:
 - AH 111 Renaissance to Modern Art
 - or AH 112 Egyptian to Medieval Art
 - AH 221 History of Modern Architecture
 - AH 222 Renaissance Art
 - AH 224 The Baroque and Rococo
 - AH 225 The 19th Century
 - or LH 344 19th Century European Art (study abroad)
3. Senior Capstone Experience
 - FA 383 Senior Studio
 - FA 484 Senior Thesis Research Seminar
 - FA 490 Senior Thesis
4. 27 additional credits in Studio art, which would include three advanced studios in a concentration. NOTE: Students in this program may be accepted into Interior Design courses only with permission of the coordinator.

Requirements for a B.F.A. (Studio Concentration) with Art Education Certification

Advisers

Professor Bette Goldstone
Professor Scott Rawlins

Students in the B.F.A. program earn certification in Art Education by completing the B.F.A. degree with a Studio concentration. Completing requirements for a B.F.A. and Art Education Certification requires an extra 20 credits. This may take longer than four years.

However, some areas of competency covered by the courses listed below can be fulfilled by experiences outside the formal class structure, thus reducing the number of credits required. Since requirements for certification are subject to change, students must consult the Department Chair.

NOTE: Students must receive approval of satisfactory fulfillment of all Education courses and internship from the Education Department Chair and approval of satisfactory performance in art, including reaching thesis-level quality in a particular art discipline, from the Art and Design Department Chair before receiving certification. It is understood that fulfillment of graduation requirements on a degree program and all coursework shall not in itself guarantee certification.

1. The following courses, 56 credits in Art and Design and Art History, must be selected to meet certification requirements. Students also must fulfill requirements to complete a concentration within the B.F.A. (See requirements for the Studio major under the B.F.A.) Studio coursework necessary for certification will count toward fulfilling B.F.A. requirements.

FA 102	Studio Art Foundations
FA 103	Studio Art Foundations
FA 104	Drawing I
FA 206	Introduction to Graphic Design
or FA 226	Illustration I
or FA 300	Advanced Drawing
or FA 214	Figure Modeling
FA 200	Painting I
FA 203	Printmaking I
FA 204	Ceramics I
FA 205	Metals and Jewelry I
FA 208	Photography I
FA 270	Digital Imaging
FA 383	Senior Studio
FA 484	Senior Seminar
FA 490	Senior Thesis
Three advanced	Studio electives in a specific Studio discipline.

2. Minimum of 12 credits from the following:
 - AH 111 Renaissance to Modern Art
 - or AH 112 Egyptian to Medieval Art
 - AH 221 History of Modern Architecture
 - or AH 222 Renaissance Art
 - or AH 224 The Baroque and Rococo

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or AH 225 or LH 344	The 19th Century 19th Century European Art (study abroad)
AH 326 or AH 328	Seminar: 1900 to 1950 Seminar: Contemporary Art
or LH 354	20th Century Art (study abroad)

3. The following 20 credits in Art Education must be completed to meet the art certification requirements:

AE 300	The Uses of Theory in Art Education
AE 308	Curriculum Design in Art Education
AE/ED 419	Undergraduate Student Teaching Practicum, Art Education, K-12

(Art Education courses may be included within the course selection of Studio electives.)

In addition to meeting the B.F.A. and Art Education course requirements, students must complete the following courses (64 credits):

1. One course in Psychology (additional 4 credits beyond B.F.A.)
PY 111 Introduction to Psychology
2. Four courses in Education (additional 16 credits beyond B.F.A.)
ED 110 Teaching for Learning,
N-12
ED 212 Child Development
ED 214 Introduction to Inclusive
Education
ED 337 Developmental Content
Area Reading
3. Two of the following courses in Mathematics (additional 8 credits beyond B.F.A.)
MA 110 Pre-Calculus Mathematics
MA 117 Mathematical Concepts I
MA 118 Mathematical Concepts II
MA 141 Elementary Statistics
4. One course in American Literature (additional 3 or 4 credits beyond B.F.A.)
EN 229 Voices of America
5. The remaining core (or distribution), Modern Language and English requirements (32 or 33 credits)
6. Non-credit requirements:

Familiarity with the areas of photography, film, television and related techniques.
Experience with theater.

Requirements for the B.A. in Art with a Concentration in Pre-Art Therapy

Advisers

Professor Robert Mauro
Adjunct Professor Mark Dean

The Art Therapy emphasis can be elected under either the B.A. in Studio Art or the B.F.A. in Studio Art. Art Therapy students who also choose to obtain the B.F.A. will need to earn a minimum of 20 credits above the usual 128 credits needed for graduation in order to fulfill requirements for both the B.F.A. and the Art Therapy concentration. Note: There is no minor in pre-art therapy.

1. While fulfilling the requirements for B.A. or B.F.A., students must take courses in ceramics, metals and jewelry, painting and printmaking.
2. Four courses in Psychology
PY 111 Introduction to Psychology
PY 205 Adult Psychopathology

Two courses from the following:
PY 212 Developmental
Psychology
ED 214 Introduction to Inclusive
Education
PY 238 Adolescence
3. Four courses in Art Therapy
AT 200 Introduction to Art Therapy
AT 210 Intermediate Art Therapy
AT 310 Art Therapy Application
Techniques
AT 365 Internship in Art Therapy*
4. Two courses in Sociology and Anthropology
SO 101 Introductory Sociology
AN 120 Cultural Anthropology

Requirements for the Minor in Art History

1. Five courses in Art History

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- AH 111 Renaissance to Modern Art
or AH 112 Egyptian to Medieval Art
AH 326 Seminar: 1900–1950
or AH 328 Seminar: Contemporary Art
or LH 354 20th Century Art (study abroad)
Three Art History electives.

Studio art majors who wish to minor in Art History are required to take a total of six Art History classes to complete the minor.

Requirements for the Minor in Studio Art

Students who want to minor in Studio Art should consult with the Department Chair. Note that students majoring in Studio Art are ineligible to minor in Studio Art.

- Two courses in Art and Design
FA 102 Studio Art Foundations I
or AD 103 Studio Art Foundations II
FA 104 Drawing I
- Two Studio courses, *both of which* are in one of the following areas:
Ceramics
Graphic Design
Metals and Jewelry
Painting
Photography
Printmaking
- One course in Art History
AH 111 Renaissance to Modern Art
or AH 112 Egyptian to Medieval Art

Art and Design

NOTE: Studio courses require a combination of scheduled class time and independent work that averages at least 12 hours a week.

Art Education Courses (AE)

300
The Uses of Theory in Art Education
(4 credits; Spring)

This course is an examination of the philosophy, psychology and literature of art education as the basis for developing and evaluating art

curriculum and instruction. It offers appropriate field experience to apply theory to practical problems of teaching. It provides opportunity to examine and design instructional material and methods. Offered in even years.

Prerequisites: ED 210, ED 212; or permission of the instructor.

308
Curriculum Design in Art Education
(4 credits; Fall)

This course examines stages of development and how artistic learning occurs. Students study curriculum theory, construct models for actual teaching situations and develop strategies for classroom management and evaluation procedures. Appropriate field experience is provided.

Prerequisites: AE 300, senior standing and admission to internship.

419
Undergraduate Student Teaching Practicum, Art Ed, K-12
(12 credits; Fall, Spring)

The student teaching practicum is to include 14 weeks of full-time teaching in an accredited school and attendance at nine on-campus seminars. It includes supervision by an Arcadia University faculty member. Students must provide transportation to the school. Applications are due at the beginning of the semester prior to student teaching. Deadline dates are Oct. 1 for the spring semester and Feb. 1 for the fall semester.

Prerequisites: AE 300, 308, and senior standing.

Art History Courses (AH)

111
Renaissance to Modern Art
(4 credits, day; Fall)
(3 credits, evening; Spring)

Chronological survey of art from the Renaissance to the Modern world, spanning a period from 1400 to the 20th century. Selected works in architecture, sculpture and painting are studied as examples of the way in which the natural and social environment, together with ethical and religious beliefs, determine the forms and images of a culture's art.

112
Egyptian to Medieval Art
(4 credits, day; Spring)
(3 credits, evening; Fall)

This course is a chronological survey of art from Egypt to the Medieval period, spanning a period from 3000 BC to 1300 AD. Selected works in architecture, sculpture and painting are studied

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as examples of the way in which the natural and social environment, together with ethical and religious beliefs, determine the forms and images of a culture's art.

221

History of Modern Architecture

(4 credits; Fall)

The course is intended as an introduction to and a thorough study of the architecture of the 19th and 20th centuries. Beginning with an overview of the 18th century, the course traces architecture's evolution through the present day, including postmodernism. Study is visually intensive with slides shown during class and a walking tour of Philadelphia architecture. Required for all students with interior design concentration. Offered in even years.

222

Renaissance Art

(4 credits; Spring)

This survey of the Renaissance style in Western Europe from Giotto through the 16th century and the Mannerist revolt focuses on the relationship of Renaissance art to the classical past, the developing style of the artist, the changing role of the church in the South, and the advent of Protestantism. Field trips to The Philadelphia Museum of Art to study the Renaissance collection are included. Offered in even years.

224

The Baroque and Rococo

(4 credits; Spring)

In this survey of the art of the 17th and early 18th centuries, particular attention is paid to Caravaggio and Bernini and the impact of the Counter reformation, and to Rembrandt and Vermeer and the development of portraiture, genre and landscape painting in the Protestant Netherlands. Field trips to The Philadelphia Museum of Art to study the Baroque collection are included. Offered in odd years.

225

The 19th Century

(4 credits; Fall)

This survey of Neo-Classicism, the Romantic and Realistic revolt, Impressionism and Post-Impressionism focuses on the relationship of art to the breakup of fixed values, the rise in influence of the middle class, new concepts of philosophy and religion, and increased individualism. It considers the new role in society for the artist manifest in the stylistic changes of the century.

226

History of Photography

(4 credits; Fall)

This course examines the invention and evolution of the medium of photography from the camera obscura through technical, social, and aesthetic evolutions to the present day. This investigation includes a chronological exploration of broad purposes and genres that have been employed by major photographers. Discussions include critical analysis of both photographs and aesthetic movements in photography. Study includes visits to local exhibitions and museums.

Prerequisites: AH 111, AH 112, FA 102, or FA 103.

326

Seminar: 1900 to 1950

(4 credits; Fall)

This advanced seminar on Fauvism, Cubism, Dadaism, Futurism, Surrealism, Expressionism and other movements of the first half of the century focuses on their developments in the '40s and '50s in Europe and America. It requires individual research and discussion on a selected period.

Prerequisites: AH 111 or AH 112 and one of the following: AH 222, 224 or 225. Open to juniors and seniors.

328

Seminar: Contemporary Art

(4 credits; Spring)

This advanced seminar on current art and its background in the '60s and '70s includes methods and problems in modern art criticism. It requires papers on various concepts for discussion and critiques of art shows in Philadelphia and New York.

Prerequisites: AH 111 or AH 112 and one of the following: AH 222, 224 or 225. Open to juniors and seniors.

323

Contemporary Curatorial Practices

4 credits

This seminar provides students with a broad overview of mid-to-late 20th century and contemporary art through the lens of exhibition-making. Organized around a comprehensive proposal for a thematic group exhibition, topics include evolution of gallery and exhibition contexts, installation design, the rhetorical impact of artworks on each other, the role of the given physical site and layout on the works displayed, and the exhibition as mode of interpretation and research. Students are introduced to a wide variety of contemporary artists and how their work is contextualized by the exhibition format. Projects include an oral presentation on a postwar artist (or movement), curating a

Art and Design at Arcadia University

hypothetical group exhibition and six 2-to-3-page papers. Field trips to regional exhibition spaces and guest speakers reinforce the course material.

385, 386

Studies in the History of Art

(4 credits; Fall, Spring)

Special studies in the history of art. Requires an individual project under the guidance of one instructor. Possibilities include an in-depth study of an artist or works from a Philadelphia museum. **Prerequisite:** Permission of the Chair and instructor.

387

Special Topics in History of Art Museums

(4 credits; Spring, alternate years)

This course is intended for students who want to learn the fundamentals about museums, their history and changing philosophies, and the economic, social and political context within which they exist. Field trips to a variety of museums (anthropology, art, natural history and science).

490

Senior Thesis

(4 credits; Spring)

Completion of a semi-independent study in a problem of art history chosen in consultation with the faculty adviser and thesis committee. Includes individual and group conferences to examine research methods and procedures. Required of all Art History majors.

Art Therapy Courses (AT)

200

Introduction to Art Therapy

(4 credits; Fall)

This basic survey of the history of art therapy includes a review of contemporary theory and practice.

210

Intermediate Art Therapy

(4 credits; Spring)

This course is an introduction to theoretical models of psychology most commonly utilized within the practice of art therapy. Psychodynamic, Cognitive/Behavioral, Self-Psychology, Jungian and Gestalt perspectives are integrated with art therapy techniques and practice. Developmental theories of Freud, Piaget, Mahler and Erickson are correlated with art processes and art productions. Includes class discussions, readings, experiential and exams.

Prerequisite: AT 200

310

Art Therapy: Applications and Techniques

(4 credits; Fall)

This studio and didactic course fosters empathic responsiveness and increased awareness through exploration of a wide variety of media choices and applications within an experiential framework. Students work individually and in group settings to develop and integrate approach to the use of art therapy media applications.

Prerequisites: AT 200, AT 210, FA 103, FA 102 and at least two additional Art and Design courses, PY 111 and two of the following: PY 212, ED 214, PY 238.

365

Internship in Art Therapy

(4 credits; Fall, Spring)

Opportunity to get firsthand experience in the field of art therapy by working as a volunteer in an agency or hospital. Requires 100 hours for 2 credits, 200 hours for 4 credits. A maximum of 8 credits permitted.

Prerequisites: AT 200 and AT 210, junior or senior standing and permission of the instructor and Chair.

Fine Arts Courses (FA)

102

Studio Art Foundations I

(3 credits; Fall)

This course consists of a series of intensive thematic workshops in which three sections meet at the same time in separate classrooms. The students in each of the sections of this course rotate through the classrooms of the three professors teaching the workshops. The students are exposed to three unique combinations of themes, sets of ideas, modes of creativity and solution based exercises and projects.

At the beginning of each rotation all sections will assemble as a large group for field trips, specialized lectures and group projects.

The course meets for 6 studio hours weekly, with at least as many hours of independent work outside of class. This course is required for art majors but may be taken by non-art majors interested in art.

103

Studio Art Foundations II

(3 credits; Spring)

103 has the same course structure as 102 with different course content. This course can be taken as a continuation of 102 or may be taken as a standalone class.

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104

Drawing I

(3 credits; Fall, Spring)

This course includes a wide range of experiences that focus on developing the student's ability to perceive space, light and form, and to express them two-dimensionally. Drawing I places particular emphasis on line. The course is designed to give students a thorough grounding in the conceptual, formal and expressive nature of drawing, along with attention to process. Six studio hours weekly and independent work.

105

Drawing II

(3 credits; Fall, Spring)

Building on the language developed in Drawing I, this course focuses on space, light and form as expressed primarily through tone. Both perceptual and conceptual applications are explored and a range of media are used. Six studio hours weekly and independent work.

Prerequisite: Open to students with no previous art course, although FA 103 or 104 is recommended.

200

Painting I

(3 credits; Fall)

An introduction to the inherent qualities of the medium, this course examines the formal qualities of color, light, space, form, composition and point of view and the role they play in expressive intent. The course emphasizes developing perceptual vision. Six studio hours weekly and independent work.

Prerequisite: FA 104 and 105

201

Color and Design

(4 credits; Fall)

This studio course is designed to help the student to better understand the behavior and the power of color and to consider the diverse applications of this understanding. Study includes the properties of color: chroma, value, intensity, hue and temperature as well as study of the interaction of colors and the underlying principles that govern their behavior. Theoretical understanding is applied to exercises as well as more formally executed designs.

Prerequisite: FA 103.

203

Printmaking I

(3 credits; Fall)

This course is a comprehensive introduction to the basic printmaking disciplines (intaglio, relief) through traditional and contemporary techniques. It emphasizes the creative process, experimentation and exploration to encourage

the development of style and image. It includes lectures on print history, group and individual critiques, and field trips to The Philadelphia Print Club and area galleries. It requires an additional studio fee. Six hours weekly and independent work.

Prerequisite: FA 103 or 104.

204

Ceramics I

(3 credits; Fall, Spring)

This course introduces and develops fundamental skills employed in the ceramic hand-building process, including coil, pinch, slab building, and more. The focus of this class is on the development of skills of craftsmanship and construction as well as other formal and technical aspects of making ceramic art. Students develop the skills needed to transform abstract ideas into tangible objects and build a vocabulary to facilitate informed discussion of ceramic art. The course includes visual presentations that focus on historical and contemporary ceramics. Six studio hours weekly and independent work.

Prerequisite: FA 103 or 104. FA 102 is recommended. Non-art majors do not need FA 103 or 104.

205

Metals and Jewelry I

(3 credits; Fall, Spring)

This course is an introduction to the basic processes of metal working as they relate to making jewelry, objects of use such as vases and boxes, and small three dimensional designs. It encourages exploration of a wide range of projects to discover areas of special interest for creative development. It includes soldering, bending, casting and stone setting techniques. Six studio hours weekly and independent work.

Prerequisite: FA 103 or 104. FA 102 is recommended.

206

Introduction to Graphic Design

(4 credits; Spring)

This course is an introduction to computer techniques traditionally associated with print media. Students work primarily with QuarkXPress as Adobe Illustrator to form the necessary technical skills needed in the production process. This course is intended to provide a firm base of technical skill that may be augmented later through the development of applied theoretical interests. Six studio hours weekly and independent work.

Prerequisite: FA 103 or 104 and recommended FA 270.

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208

Photography I

(3 credits; Fall, Spring)

This course is an introduction to the medium of photography covering the materials, processes, history and aesthetics of black and white photography. It emphasizes the essentials of 35mm camera operation, meter reading, film processing, paper development and portfolio preparation. It introduces the photographic image as a means of personal expression through the use of the camera, light sensitive material, technical expertise and mind's eye. Six critique, lecture and studio hours weekly, plus independent work. This course is a prerequisite for all upper-level photography courses.

209

Photo-Journalism

(4 credits; offered at varying intervals)

This course is an exploration of the aesthetics and the methodology of photo-journalism as an expressive and persuasive form of communication. Concentration is on the building of a coherent set of images revealing the photographer's stance toward the world, whether political, psychological or aesthetic. It includes assignments in black and white (film), color negative film with digital output, digital capture, portfolio reviews, slide presentations and readings. It develops the aesthetic and practical skills needed to prepare for, approach and complete documentary project. Six critique, lecture and studio hours weekly, plus independent work.

Prerequisite: FA 208

210

Painting II

(4 credits; Fall, Spring)

Studio work emphasizes continued development of perceptual vision. Subjects include still life, landscape and the figure. Emphasis is placed on individual solutions to problems posed by the instructor or developed by the student. Three critique and lecture hours weekly plus independent work.

Prerequisite: FA 200.

211

Painting III

(4 credits; Fall, Spring)

This course emphasizes the further understanding of theoretical aspects of painting. Students explore in theory and in practice different attitudes in painting which include abstraction, as well as idea, concept and thematic approaches. This course is the bridge that is designed to help students to make the transition to a more personal and individual way

of working. Three critique and lecture hours weekly plus independent work.

Prerequisite: FA 210.

213

Figure Painting

(4 credits)

The course is designed to introduce students to the practice of Figure Painting. Students work strictly from observation of the live model. Emphasis is placed on working quickly and with authority as a means to encourage risk taking and experimentation as a path to quality. Students work from the premise of "vague to vivid."

Prerequisites: FA 304 and FA 200.

220

Printmaking II (Screen Printing)

(4 credits; Spring)

This course is an exploration of screen processes—tusche, cut film and photographic—and other printmaking techniques. It provides a historical focus for 20th century printmaking. It emphasizes the development of style and image in the context of the screen medium. It encourages the manipulation of color formally and expressively. It includes field trips to the Philadelphia Museum of Art, the Print Club and area galleries. Six critique, lecture and studio hours weekly, plus independent work.

Prerequisite: FA 103; or permission of the instructor.

222

Printmaking III (New Forms)

(4 credits; Spring)

This course is an exploration of innovative and multifaceted directions in printmaking, combining print media with other creative forms. It presents a wide range of methods and processes for exploration, including papermaking and casting, three-dimensional and constructed prints, color Xerox, multi-plate collagraph and monoprint. It combines extensive review of contemporary directions with trips to the Print Club, the Philadelphia Museum of Art and area galleries. Six critique and studio hours weekly plus independent work.

Prerequisite: FA 102 or 103; or permission of the instructor.

226

Illustration I

(4 credits; Spring)

An introduction to art in a commercial context, this course explores various techniques and materials used historically by applied artists as well as by contemporary illustrators. The development of concepts and design through the use of both black and white and color is

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emphasized. Six critique and studio hours weekly plus independent work. Offered in even years.

Prerequisites: FA 103, FA 104, and FA 105.

228

Children's Book Illustration

(4 credits; Spring)

Combining academic and studio elements, this course encourages students to focus on the processes through which children's books are created, including examining age-group characteristics, generating ideas and developing style. The history of children's books and their illustrations will be analyzed. Studio and/or written assignments will involve following and illustrating book from concept to publication. Classroom activities will be supplemented by field trips and presentation by guest artists. Offered in even years.

Prerequisites: FA 103, 104, and 105.

230

Ceramics II

(4 credits; Fall, Spring)

This course explores a wide variety of clays, glazes, firing processes, and construction techniques, including mold making and wheel throwing. It incorporates the exploration and formulation of glaze for use in a variety of kiln environments including low-fire, high-fire, and salt glazing. Clay bodies include earthenware, stoneware, porcelain, and others. The course emphasizes research into historical ceramics. It includes visual presentations that focus on historical and contemporary ceramics. Six studio hours weekly and independent work.

Prerequisite: FA 204.

231

Ceramics III

(4 credits; Fall, Spring)

Continuation of FA 230. This course is designed to foster greater independence and further develop a personal approach to the medium. Assignments are devised to allow for the greatest possible variation in interpretation. Through readings dealing with contemporary art and ceramics art criticism, the course emphasizes the development of a contextual base for the creative process. It includes visual presentations that focus on contemporary ceramics, sculpture, and installation. Six studio hours weekly and independent work.

Prerequisite: FA 230.

240

Metals and Jewelry II

(4 credits; Fall, Spring)

Development of the creative use of metals through advanced techniques in the production of jewelry, singly and in quantity, this course

emphasizes enrichment of aesthetic possibilities. It includes methods of surface embellishment and combination of materials. Six studio hours weekly and independent work.

Prerequisite: FA 205.

241

Metals and Jewelry III

(4 credits; Fall, Spring)

Continuation of FA 240. This course provides opportunity for semi-independent work on metals and jewelry projects of special interest. It covers experience in shop management, production techniques, and business and market practices. It includes portfolio preparation. Six studio hours weekly and independent work.

Prerequisite: FA 240.

250

Graphic Design I (Typography)

(4 credits; Spring)

An introduction to typography and typographic principles through applied and experimental projects, this course is a wide-ranging exploration of type and communication intended to provide an historical, sociopolitical and aesthetic base for the practice of typography and further studies in graphic design.

Prerequisite: FA 206 and FA 270, or permission of the instructor.

251

Graphic Design II (Web Design)

(4 credits; Fall)

An introduction into Web-based and interaction design, the course focuses on communication skills by exploring the various modes and techniques of Web page, Web site, and Internet design. Software programs include Macromedia Dreamweaver, Macromedia Flash, Adobe Livemotion and Adobe ImageReady.

Prerequisite: FA 206 and FA 270 or permission of instructor.

260

Interior I (Planning and Presentation)

(4 credits; Spring)

Beginning with a residential design problem, study the ways to approach, evaluate, analyze and synthesize information to solve a given design problem. This course emphasizes the development of solutions within the framework of plans, elevations, sections and models. It introduces graphic techniques and includes field trips to design resource centers. Six studio hours weekly and independent work.

Prerequisites: FA 263 and FA 265

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261

Interior II (Materials and Methods)

(4 credits; Fall)

Continuation of FA 260. This course studies the properties and application of building materials and finishes in relation to interior space, together with interpretations of architectural drawings. It emphasizes the manipulation of space and form. It introduces commercial office space planning, as well as hospitality design. Professionals in the field are invited to lecture as well as jury final presentations. Six studio hours weekly and independent work.

Prerequisite: FA 260 and FA 262.

262

Digital Drawing for Interior Design

(4 credits; Spring)

This course is an exploration of the latest technology in computer-aided design and drafting specifically for the fields of interior design and architecture. The course covers fundamental skills necessary to create computer-generated drawings using 2 and 3DI software packages. This course works in tandem with FA 260.

Prerequisite: FA 263 or equivalent interior design or digital drawing experience.

263

Interior Design Principles and Practices

(4 credits; Fall)

This course is an introduction to the Interior Design discipline, with emphasis on understanding professional terminology and design techniques. It provides an introduction to design concepts development and model construction in order to study 3-dimensional space. Field trip to professional design showrooms.

Prerequisites: FA 102, 103, 104, 105.

265

Graphic Presentation for Interior Design

(4 credits; Fall)

This course emphasizes exploratory design drawing as a means of creating new ideas and more detailed rendering in order to improve skills in perspective, drafting and presentation techniques of interior designs. It focuses on effective presentations in a variety of media in both monotone and color.

Prerequisites: FA 102, 103, 104, 105 or permission of the adviser.

270

Digital Imaging I

(4 credits; Fall, Spring)

An introductory course in the use of Macintosh graphic workstations, this course emphasizes the new aesthetic of computer graphics and its potential for expanding creativity and enhancing

creative concepts. Applications in Art and Design and illustration are explored through the systems comprehensive color, drawings, layout and input/output capabilities; including flatbed and slide scanners, graphics, tablets, and CD-Rom production. Comprehensive experience in MAC OS, hardware and software components.

Prerequisite: FA 103 or 104. Non-art majors require permission of instructor.

271

Digital Imaging II

(4 credits; Fall)

Digital Imaging II is an in-depth exploration of Fine Art Digital Printmaking. The class encourages personal investigation, use of hybrid techniques and non-traditional printing surfaces. It approaches digital media art making through a focus on visual ideas and concepts and understanding of contemporary digital technologies as artistic media through the creative completion of specific assignments.

Prerequisite: FA 270

280

Photography II

(4 credits; Fall, Spring)

This course covers intermediate camera and darkroom techniques and controls. It introduces advanced exposure and metering systems, professional darkroom controls, archival processing systems and various format cameras. It integrates the development of personal work with an examination of historical precedents and contemporary thought. It emphasizes the relation of processes and techniques to expressive purpose. Six critique, lecture and studio hours weekly, plus independent work.

Prerequisite: FA 208; or permission of the instructor.

300

Advanced Drawing

(4 credits; Spring)

What is Drawing as a medium when not intended to represent the appearance of the world? This course introduces students to contemporary issue in drawing, building a bridge from work done in Drawing I and II. Figure/Ground, mark making, mapping, erasure, fragment, illusion/non-illusion, memory, as well as the use of non-traditional materials are topics for exploration. Studio work is supported by slides lectures, discussions and critiques. Six studio hours weekly and independent work.

Prerequisites: FA 104, 105, 200, or 203; or permission of the instructor.

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304

Figure Drawing

(4 credits; Fall)

This advanced course in drawing from the figure is directed toward a clearer perceptual understanding of the human form. It emphasizes surface anatomy and the figure in art.

Prerequisites: FA 104, 105, AH 111 or AH 112.

306

Figure Drawing

(2 credits; Fall)

This course is a 2-credit version of FA 304 designed to provide students with supplemental study of the human figure. See description under FA 304.

310

Painting IV

(4 credits; Fall, Spring)

Students develop and explore individual problems in painting, working toward the development of a more personal means of expression. Six studio hours weekly plus independent work.

Prerequisite: FA 211 or permission of the adviser.

311

Painting V

(4 credits; Fall, Spring)

This course is independent work in painting with increased individual responsibility. The students work to bring focus and clarity to their ideas and through that distillation bring greater intensity to the work. Six studio and critique hours weekly plus independent work.

Prerequisite: FA 211; or permission of the adviser.

318

Printmaking IV

(4 credits; Fall)

This course investigates advanced printmaking processes and techniques, including multi-plate, viscosity color printing, photo-etching, color posterization, stone and plate lithography. The course emphasizes the expansion of printmaking images to achieve a strong creative and individual direction, and it encourages the aesthetic considerations of form and expression. It provides historical investigation of print as the means for expressing attitudes toward the world. Marketing and business practices are introduced, as well as techniques for operating a print studio. Three critique and lecture hours weekly plus intensive independent work.

Prerequisites: FA 203 and junior standing.

332

Ceramics IV

(4 credits; Fall, Spring)

Continuation of FA 231. This course provides students with an opportunity to execute advanced projects in ceramics, encourages greater self-determination, and prepares students for independent study in ceramics. The course further develops students' abilities to be self-directed in their artistic pursuits. It includes individual and group critiques and specific readings related to students' personal interests and goals. Six studio hours weekly and independent work.

Prerequisites: FA 231.

342

Metals and Jewelry IV

(4 credits; Fall, Spring)

Continuation of FA 241. This course provides an opportunity for advanced projects in metals and jewelry. Six studio hours weekly and independent work.

Prerequisites: FA 241 and permission of the adviser.

350

Graphic Design III (Logo Systems)

(4 credits; Spring)

This course is an introduction to and exploration of logo systems in Graphic Design. How are questions of identity explored visually and conceptually? What characteristics should be conveyed versus aspired to? A semester long exploration of the logo in its various forms.

Prerequisites: FA 250 and FA 251, or permission of the adviser.

351

Graphic Design IV (Advanced Issues in Visual Communication)

(4 credits; Fall)

A continuation of FA 350. Students refine and further determine the direction established in the preceding semester. Coursework revolves around presentations and problems designed to aid the Senior Thesis project, which helps the student find confidence and focus in his or her future ambitions. Six studio hours weekly and independent work.

Prerequisite: FA 350 or permission of the adviser.

360

Interior Design III (Intermediate)

(4 credits; Spring)

Continuation of FA 261. This course examines the development of interior spaces from a given single area to designing a series of interrelated spaces. It emphasizes interior construction and detailing of custom designs. It includes the

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development of details, the construction of scale models for three-dimensional study as well as for presentation and the fine tuning of drawing skills. Field trips allow students to view interior architectural installations. Six studio hours weekly and independent work.

Prerequisite: FA 261 or permission of the adviser. Juniors and seniors only.

361

Interior Design IV (Advanced)

(4 credits; Fall)

Continuation of FA 360. This course presents advanced problems in interior design with concentration on space planning as related to complex interior architectural problems. It focuses on the principles of lighting design and environmental concerns, as related to interiors. Course study is supplemented by guest critics. Six studio hours weekly and independent work.

Prerequisite: FA 360 or permission of the adviser. Seniors only.

370

Digital Darkroom

(4 credits)

An advanced studio course in the mediums of photography and digital imaging, this course introduces color photography via both digital and traditional cameras as well as other methods of image acquisition and digital photographic printmaking. It emphasizes individual work and criticism. Art making is at the core of this class, which focuses on technical requirements and contemporary practice relevant to individual work. Studio work is supported with lectures, discussion, readings, and critiques.

Prerequisites: FA 280 (Photography 2) and FA 270 (Digital Imaging) are recommended.

381

Photography III

(4 credits)

Continuation of FA 280. This course integrates the examination of stylistic trends and contemporary ideas with the development of a more individualized method of working. The development of a more personal imagery along with a broader base of technical as well as conceptual expertise is explored with increased individual responsibility. Studio work is supported with lectures, demonstrations, discussion, readings and critiques. Six critique, lecture and studio hours weekly, plus independent work.

Prerequisite: FA 280 or permission of the instructor with portfolio review.

382

Photography IV Workshop

(4 credits)

Continuation of FA 381. This course emphasizes individual work and criticism in preparation for production of thesis work. It focuses on technical requirements, historical precedents and contemporary practice and creative growth relevant to students' selected areas of investigation. It includes lectures, discussion, critiques and readings. Six critique, lecture and studio hours weekly, plus independent work.

Prerequisite: FA 381.

383

Senior Studio

(2 credits)

Senior studio focuses on both studio and academic aspects of the senior thesis, helping to prepare students for the practicalities of art making and paper writing. It includes discussions of professional practices associated with specific art concentrations and research related to the thesis paper. Primarily for B.F.A. students, Senior Studio is one of three components of the Art & Design Capstone experience. The other two are Senior Seminar (FA 484) and Senior Thesis (FA 490).

385, 386

Special Studies in Art

(2, 3 or 4 credits; Fall, Spring)

Special studies in art involving a project are carried through under the guidance of one instructor. Possible projects include continuing experience in three-dimensional design, representational drawing, or other studio area. Interior or graphic design majors might arrange for a workshop experience in their field.

Prerequisite: Permission of the Chair, major adviser and special studies coordinator.

387

Internship

(2 or 4 credits; Fall, Spring)

An internship is working experience in the major studio area. Possibilities include placements with interior design and graphic design firms or with individuals involved in jewelry making, etc. It is the student's responsibility to arrange for the internship and faculty support. The internship requires 100 hours for 2 credits, 200 hours for 4 credits. A maximum of 8 credit hours permitted.

Prerequisites: Permission of the major adviser and internship coordinator.

484

Senior Thesis Research Seminar

(2 credits; Fall)

This advanced seminar is designed to enrich the senior thesis experience by offering a dialogue

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grounded in theory, research and practice. It allows the student time for thorough investigation of his or her concentration before embarking on the preparation of a major body of work for exhibition. It includes writing the research component of the senior thesis paper. One and a half seminar hours weekly plus independent research.

Prerequisite: Senior status.

490

Senior Thesis

(4 credits; Spring)

The seniors thesis is supervised preparation of a culminating visual work or set of works in the major studio area for criticism and exhibition. It includes individual and group conferences to examine advanced aspects of the major studio area. It requires a written thesis and is required of all B.F.A. and B.A. seniors.

BIOLOGY

at Arcadia University

Global Perspectives...Personal Attention...Real-World Integrative Learning Experiences

Faculty

Professors

Dr. Archie J. Vomachka

Associate Professors

Dr. Lauretta M. Bushar (Chair)

Assistant Professors

Dr. Christopher Binckley

Dr. John Daley

Dr. Chad Hoefler

Dr. Lauren Howard

Dr. Naomi Phillips

Dr. Wesley Rose

Dr. Sheryl Smith

Instructor

Sarah J. Cooper

Adjunct Professor

Marie Duke Murphy

Degree and Certificates

Bachelor of Arts in Biology

Allied Health

Biological Basis of Behavior

Biomedical

Conservation

Forensics

Molecular

Post-Baccalaureate Certificate in the Health Professions

Post-Baccalaureate Certificate in the Sciences

Option

Secondary Education Certification

3+2 in Biology (B.A.) and Environmental

Education (M.A.Ed.)

3+2 in Biology (B.A.) and Forensic Science
(M.S.F.S.)

Minor

Biology

Related Fields of Study

Scientific Illustration

Pathways to Study Abroad in Biology

Biology majors are encouraged to spend a semester studying abroad. Many exciting opportunities are available. Sophomore year and fall semester of the junior year are the most convenient times for students to study abroad. Fall semester of the senior year also is possible.

Since 1997, Biology majors have taken a range of Biology courses toward major requirements in Great Britain, Australia, New Zealand, and other countries. In addition, students have completed Undergraduate Curriculum requirements while studying abroad.

Students also have the opportunity to complete internships or independent research projects at a number of internationally recognized institutions such as the London Zoo and the Academy of Natural Sciences of Philadelphia.

Visit the University's Web site for Pathways to Study Abroad (www.arcadia.edu/pathways) for more information about suggested course sequences and locations. Arcadia has more than 100 programs around the world.

Since it is important that students plan ahead for study abroad, they should consult with their advisers as soon as possible and make their intentions known to their academic advisers, the Department Chair, and the Director of International Services.

About the Bachelor of Arts in Biology

- Preparation for graduate school
- Preparation for careers in medicine, teaching, industry, research
- Opportunities to conduct research and co-publish results with faculty
- Internships and co-ops
- Ability to develop an individual academic plan with faculty adviser
- Opportunities to study abroad at some of the top universities in the world

BIOLOGY at Arcadia University

Majoring in Biology provides an understanding of modern biological principles and the groundwork for careers in medicine, dentistry, physical therapy, veterinary medicine, conservation, scientific and medical research, secondary school teaching, graduate study, or applied biology positions in government or industry.

Undergraduate students are encouraged to undertake research and co-publish results with the assistance of faculty members who have well-established reputations in their fields. Students also may do internships or co-ops with some of the best-known and most-respected pharmaceutical companies and research institutions located in this region.

Bachelor of Arts in Biology

The Bachelor of Arts in Biology prepares students in the major areas of the life sciences as well as in the cognate areas of Chemistry, Mathematics and/or Physics.

Faculty advisers work closely with each student to plan a series of required and elective courses based on individual interests and career goals.

A core of basic science courses includes general biology, evolution and population biology, research methods, comparative anatomy and physiology, genetics, and plant biology or ecology. A range of electives covers animal behavior, biochemistry, developmental biology, human genetics and development, microbiology, cell biology, histology, immunobiology, molecular biology, neurobiology, and conservation biology.

Courses have a small class size and emphasize student-faculty interaction. Laboratory sections generally have smaller enrollments than lecture and thus are especially good for interaction, integrative, collaborative, and inquiry-based learning.

Study of Biology can be combined with another field, such as Chemistry, Art, Communications or Business.

The Bachelor of Arts in Biology has the greatest degree of overlap with the Pre-Physical Therapy program requirements and the Pre-Physician Assistant program requirements of any major in the University. (See assured admission requirements for these programs.)

3+2 Environmental Education Program

This is an accelerated program for students interested in a foundation in the biological sciences leading toward a career in environmental education and related fields. In five years, students earn both the Bachelor of Arts (B.A.) in Biology and the Master of Arts in Education (M.A.Ed.) with a concentration in Environmental Education.

This program focuses on issues of global as well as local environmental education; therefore, students electing this program are strongly encouraged to take a semester abroad. Students in this program also can work toward a Pennsylvania teaching credential.

Interested students register as Biology majors and will complete the bachelor's degree in four years and begin taking graduate-level courses during the senior year. Upon entry to Arcadia, students must notify their advisers as to their interest in this program and its options to ensure they take the required sequence of courses. Students must apply for the 3+2 program midway through the junior year and, because this is an accelerated program, must have at least a 3.0 GPA at that time. In the summer of the junior year, students start taking graduate courses leading toward the master's degree.

Students who do not meet eligibility requirements of this accelerated program or who want more flexibility in their undergraduate program may take both degrees, the B.A. in Biology and the M.A.Ed. in Environmental Education, in the normal sequence.

See the catalog section on Environmental Education for degree requirements.

Minor in Biology

The minor in Biology provides students who have a major interest in another science, business, or humanities with the opportunity to explore the field of biology for their own satisfaction or application to a career goal.

Requirements for the B.A. in Biology

(62 credits as listed below, plus
Undergraduate Curriculum requirements and
electives to total 128 credits)

Core Curriculum

1. Nine courses in Biology
 - BI 101, 102 General Biology I, II
 - BI 201 Evolution and Population Biology
 - BI 204 Genetics
 - BI 211 Comparative Anatomy and Physiology
 - BI 222 Plant Biology
 - or BI 329 Ecology
 - BI 242 Biological Research Methods
 - BI 290 Junior Seminar in Biology and Psychobiology (2 credits)
 - BI 490 Senior Seminar in Biology and Psychobiology (4 credits)
2. Two courses in Chemistry
 - CH 101, 102 Modern Chemical Concepts I, II
3. Two cognate courses in Mathematics (MA 110 or higher), or Chemistry (CH 201 or higher), or Physics (PH 201, 202, 211, or 212)
4. Three additional Biology electives at the 300 level. (For some career goals, additional electives may be necessary.)
5. Students who want certain career paths can choose to specialize in one of the following concentrations. (For some career goals, additional coursework may be required.)
6. Practical experience in the form of a BI 370-level Internship or BI 389-level Independent Research is encouraged.

Recommendations for concentrations

Biological Basis of Behavior Concentration

1. Cognate courses
 - PY 111 Introduction to Psychology

PY 221, 222 Psychology as a Natural Science

2. Biology electives
 - BI 332 Animal Behavior
 - BI 335 Neurobiology
 - A third biology elective chosen in consultation with the adviser

3. Additional recommendation
 - MA 141 Elementary Statistics

Molecular Biology Concentration

1. Cognate courses
 - CH 201, 202 Organic Chemistry I, II: Structure, Mechanisms and Reactions
2. Biology electives
 - BI 325 Cell Biology
 - BI 323 Microbiology
 - BI 333 Molecular Biology
3. Additional recommendations
 - PH 201, 202 Fundamental Concepts of Physics I, II

Conservation Biology Concentration

1. Cognate courses
 - MA 141 Elementary Statistics
 - CH 201 Organic Chemistry I
2. Biology electives
 - BI 333 Molecular Biology
 - BI 329 Ecology
 - BI 330 Conservation Biology
3. Additional recommendations
 - PS 225 Politics of the Developing World
 - FA 208 Photography I
 - EC 330 Natural Resource Economics

Allied Health Concentration

1. Cognate courses
 - PH 201, 202 Fundamental Concepts of Physics I, II
2. Biology electives chosen to fulfill interests and career goals

BIOLOGY at Arcadia University

Biomedical Concentration

1. Cognate courses
PH 201, 202 Fundamental Concepts of Physics I, II
or
CH 201, 202 Organic Chemistry I, II: Structure, Mechanisms and Reactions
2. Biology electives chosen to fulfill interests and career goals
3. Additional recommendations:
Students entering biomedical graduate programs should complete both CH 201, CH 202 and PH 201, PH 202.

Forensics Concentration

1. Cognate courses
CH 201, 202 Organic Chemistry I, II: Structure, Mechanisms and Reactions
2. Biology electives
BI 325 Cell Biology
BI 340 Biochemistry
BI 333 Molecular Biology
3. Additional recommendations
BI 327 Histology
CH 203 Equilibrium and Analysis

Requirements for the Minor in Biology

(28 credits as listed below)

Students who want to minor in Biology should consult a departmental adviser.

1. Five courses in Biology
BI 101, 102 General Biology I, II
BI 201 Evolution and Population Biology
or BI 204 Genetics
BI 211 Comparative Anatomy and Physiology
BI 222 Plant Biology
or BI 329 Ecology
2. At least two additional Biology electives at the 300 level to be selected with permission of the Biology adviser

Requirements for Secondary Certification in Biology

Biology majors seeking certification for secondary teaching in biology must notify their advisers and the Coordinator of Science Education. State certification requirements are very specific, so the earlier students plan for this option, the easier it is to develop appropriate programs.

Completion of the requirements for the major in Biology, which must include the following courses:

1. Cognate courses
CH 201 Organic Chemistry I: Structure, Mechanisms and Reactions
PH 201 Fundamental Concepts of Physics I
2. Biology electives
BI 325 Cell Biology
BI 333 Molecular Biology
BI 329 Ecology
3. Additional recommendations for certification with approval of the Education Department
Two Math courses (MA 110 or higher)
PH 223 Essentials of Physical Geology
or ES 505 Earth Science

Biology Courses (BI)

101

General Biology I

(4 credits; Fall)

Introduction to the science of living organisms. Emphasis on molecular and cellular aspects of energy processing, cell reproduction and genetics. Three class hours and three laboratory hours weekly.

102

General Biology II

(4 credits; Spring)

Introduction to the science of living organisms. Overview of kingdoms with emphasis on structure and function of plants and animals. Consideration of population biology and ecology. Three class hours and three laboratory hours weekly.

Prerequisites: BI 101; or permission of the instructor.

BIOLOGY at Arcadia University

201

Evolution and Population Biology

(4 credits; Fall, Spring)

Study of how evolutionary changes contribute to the diversity of life. Includes an overview of the history of evolutionary theories as well as the use of modern molecular techniques, traditional population biology, and genetics to examine the evolutionary history of life. The course also focuses on the role of natural and artificial selection, sexual selection, kin selection, and social behavior on the development of specific adaptations. Three class hours weekly.

Prerequisite: BI 101 and 102; or permission of the instructor.

204

Genetics

(4 credits; Fall, Spring)

Study of the classical and modern views of the nature of the gene, its transmission and its function. Includes microbial and population genetics. Three class hours and three laboratory hours weekly.

Prerequisites: BI 101 and 102; or permission of the instructor.

205

Human Anatomy

(4 credits; Spring)

Study of the structure of the human body at cellular, tissue, organ and system levels. Laboratory exercises include appropriate observations and dissections to illustrate each system being studied. Three class hours and three laboratory hours weekly.

Prerequisites: BI 101 and 102; or permission of the instructor.

206

Human Physiology

(4 credits; Fall)

Study of the functioning systems of the human organism. Emphasizes mechanisms governing the function of each tissue type as part of the whole organ. Examines various systems in the laboratory using a variety of experimental techniques. Three class hours and three laboratory hours weekly.

Prerequisites: BI 101 and 102; or permission of the instructor.

211

Comparative Anatomy and Physiology

(4 credits; Spring)

Comparative study of the structure and function of vertebrate and invertebrate organisms. Lecture emphasizes evolutionary adaptation leading to solutions of environmental challenges.

Laboratory exercises include observation and dissection of representative animal examples to

highlight structural adaptations that determine function. Three class hours and three laboratory hours weekly. This course must be completed prior to enrollment in BI 490.

Prerequisites: BI 101 and 102; or permission of the instructor.

222

Plant Biology

(4 credits; Fall)

Survey of the plant kingdom including algae, bryophytes, ferns, gymnosperms and angiosperms. Emphasizes evolutionary relationships. Explores structural and functional adaptations to life on land among higher plants: plant anatomy, growth patterns, physiology of photosynthesis, growth responses to environmental stimuli and hormonal controls. Three class hours and three laboratory hours weekly. Some field trips.

Prerequisites: BI 101 and 102; or permission of the instructor.

242

Biological Research Methods

(4 credits; Fall, Spring)

A study of the range of modern scientific methods used in experimentation, with a focus on the use of primary scientific literature to examine scientific design, limitations of experimental methods and analysis of results. Selected laboratory exercises introduce students to various techniques used in modern biological experimentation and research writing skills. Three class hours and three laboratory hours weekly.

Prerequisites: BI 101 and 102; or permission of the instructor.

290

Junior Seminar in Biology and Psychobiology

(2 credits; Fall, Spring)

This seminar examines original literature on selected topics. Students will complete database searches, readings of primary literature, oral presentations, an overview of career options, and completion of a career preparation assignment designed to meet individual goals, and participation in weekly two hour seminar.

Prerequisites: At least two 200-level Biology courses and junior standing in Biology or Psychobiology; or permission of the instructor.

317

Developmental Biology

(4 credits; Offered occasionally)

Study of the basic processes of differentiation and morphogenesis in plants and animals. Includes consideration of basic underlying genetic mechanisms. Three class hours and three laboratory hours weekly.

BIOLOGY at Arcadia University

Prerequisites: BI 101, 102 and 204; or permission of the instructor.

321

Human Genetics and Development

(4 credits; Spring; Offered in alternate years)

Study of human heredity and embryological development with emphasis on underlying molecular and cellular mechanisms. Consideration of current advances in understanding the human genome, gene expression in development, and major human genetic and developmental syndromes. Three class hours and special projects (no laboratory).

Prerequisite: BI 204; or permission of the instructor.

323

Microbiology

(4 credits; Spring)

Study of microorganisms in their structure, function and relationship to their environment, both physical and human; immunology; genetic engineering. Three class hours and three laboratory hours weekly.

Prerequisites: BI 101, 102, 204; or permission of the instructor.

325

Cell Biology

(4 credits; Fall)

Cell structure and function at the molecular level: enzymes, membranes, respiration, photosynthesis, protein targeting, intracellular trafficking, information transfer and storage. The laboratory emphasizes modern biochemical and molecular technique. Three class hours and three laboratory hours weekly.

Prerequisites: BI 101, 102, 204, CH 101, 102 (may be taken concurrently); or permission of the instructor.

327

Histology

(4 credits; Summer, Fall)

A biomedical study of the structure and functions of mammalian cells, tissues and organs at the microscopic level. Laboratory session involves an extensive microscopic analysis and identification of the cells, tissues and organs. Three class hours and three laboratory hours weekly.

Prerequisites: BI 101, 102; or permission of the instructor.

329

Ecology

(4 credits; Fall)

Study of factors that affect the distribution and abundance of organisms on the planet, including evolution, natural selection, competition, predation, population regulation and ecosystem

dynamics. Three class hours and three laboratory hours weekly. Field trips.

Prerequisites: BI 101, 102; or permission of the instructor.

330

Conservation Biology

(4 credits; Fall)

Conservation biology is an emerging field of biology that documents the loss of worldwide biodiversity, seeks to understand the genetic and ecological characteristics of declining populations, and devises strategies to prevent further losses. Topics explored include conservation ethics, taxonomic definitions, global patterns of biodiversity, genetic diversity within species, demographic processes, species interactions, extinctions and invasions, habitat fragmentation, conservation reserves and ecological restoration. Lecture, weekly discussion of primary literature, and field trips.

Prerequisites: BI 101, 102; or permission of the instructor.

332

Animal Behavior

(4 credits; Spring)

Study of the contributions of zoology, ethology, comparative psychology and ecology to an understanding of the behavior of animals. Emphasizes the means by which animals are adapted to their physical and social environments. Laboratory work emphasizes the independent observation of social vertebrates at the Philadelphia Zoo. Three class hours and three laboratory hours weekly.

Prerequisites: BI 101, 102; or permission of the instructor.

333

Molecular Biology

(4 credits; Spring)

Study of the molecular structure and functioning of the gene. Includes in-depth investigation of current areas of molecular research in biological fields such as medicine, development, population biology, and evolution. Laboratory involves techniques of molecular biology including DNA purification and analysis, cloning, and the polymerase chain reaction. Three class hours and three laboratory hours weekly.

Prerequisites: BI204, CH101, 102; or permission of the instructor.

335

Neurobiology

(4 credits; Fall)

A study at the molecular, cellular, and systems level to examine the mechanisms through which the nervous system mediates behavior. Emphasizes current and historical experimental

BIOLOGY at Arcadia University

evidence used to define the underlying principles of the nervous system. Discussions of nervous system disorders and treatments are integrated throughout the course. Topics include development, physiology, pharmacology and neuroanatomy. The laboratory sessions involve a range of models, fixed specimens, computer simulations; invertebrate, vertebrate and human experiments to examine nervous system structure and function. Three class hours and three laboratory hours weekly.

Prerequisites: BI 101, 102, CH 101, 102; or permission of the instructor.

337

Immunobiology

(4 credits; Spring)

Study of the cellular and molecular components involved in specific and nonspecific immune responses and regulation. In-depth discussion of experimental evidence is used to establish our present interpretations of immune mechanisms. Topics include hematopoiesis, lymphocyte maturation and activation, somatic recombination, isotype switching, hypersensitivity, transplantation, autoimmunity, AIDS and immunological techniques. Oral presentations and critical analyses of research articles are included. Three class hours weekly and special projects (no laboratory).

Prerequisites: BI 101, 102, 204, CH 101, 102; or permission of the instructor. BI325 is recommended.

340

Biochemistry

(4 credits; Fall)

This course will introduce students to the basic concepts in biochemistry through lecture and problem sets. A biomedical perspective will be used throughout. Students will learn the basic principles governing the structure and function of biochemical systems.

Prerequisites: BI 101, 102, CH 101, 102; or permission of the instructor. CH201, 202 are recommended.

360

Topics in Biology

(4 credits)

In-depth exploration of a selected topic in the biological sciences. Topics are determined by instructor. Emphasizes current research and methodology.

Prerequisite: Permission of the instructor.

370

Internship in Biology

(4 credits; Fall, Spring)

Internship in a supervised professional setting involving a significant research component for a

minimum of eight hours per week. Includes meetings with other interns and the instructor to analyze and discuss the work experience. Requires a journal or laboratory notebook, a written report, and a student evaluation of the internship. Not usually acceptable as an elective in place of a 300-level course.

Prerequisites: Junior or senior standing in Biology and permission of the major adviser and Chair. Interested students must submit a written proposal for an internship before registering for the course. Students also must carry at least 8 additional credits at Arcadia University while enrolled in the internship, unless regularly attending on a part-time basis.

389

Independent Study

Independent, faculty-supervised laboratory or library research project conducted at on- or off-campus facilities and summarized in a paper of appropriate length, style and format. Not usually acceptable as an elective in place of a 300-level course.

Prerequisites: Four courses in Biology, junior or senior standing in Biology, approval of the Department and a written proposal.

490

Senior Seminar in Biology and Psychobiology

(4 credits; Spring)

This capstone course involves the completion of a faculty-supervised laboratory, field or library research project in Biology, including a paper in appropriate style and format; participation in a weekly two-hour seminar; and formal presentation and defense of a poster.

Prerequisites: BI 201, 204, 211, 242, 290 and senior standing in Biology or Psychobiology, with a GPA of 2.00 or higher in the major.

BUSINESS ADMINISTRATION ACCOUNTING MANAGEMENT INFORMATION SYSTEMS

at Arcadia University

Global Perspectives...Personal Attention...Real-World Integrative Learning Experiences

Faculty

Professor

Thomas M. Brinker Jr. (Coordinator of Accounting)

Associate Professors

Dr. Wayne A. Morra (Adviser for Economics)
Dr. Tony Muscia (M.B.A. Executive Director)

Assistant Professors

Dr. Annette L. Halpin (Chair)
Dr. Sassan Hejazi (SAP Coordinator)
Joel Wagoner
Dr. Michelle Washington

Instructor

Zaneta Chapman

Adjunct Professors

Christopher Cerski
Charles Corace
Glenn Cronin
Dr. Joseph Falzone
Jane Hartman-Frankel
Wick Hannan
Katie Harris
Robert H. Kieserman
Dr. Edith C. Krieger
Peter Maroney
Anna McAleer
Linda S. Moonblatt
Bonnie Moses
Mary L. Sims

Degrees and Certificate

Bachelor of Arts and Bachelor of Science in Accounting

Bachelor of Arts and Bachelor of Science in Business Administration with an emphasis in one of the following:

Glenside Campus

Economics
Marketing

Abroad (minimum of one semester)

International Economics
International Finance (B.S. only)
International Human Resources

International Management
International Marketing

Bachelor of Arts and Bachelor of Science in Management Information Systems

Bachelor of Arts in International Business and Culture (See separate listing.)

Post-Baccalaureate Certificate in Business Administration (Pre-M.B.A.)

Post-Baccalaureate Certificate in Health Administration

Post-Baccalaureate Certificate in Management Information Systems

Minors

Accounting (Pre-Professional Certification)
Business Administration (Pre-Professional Certification)
Economics
Pre-M.B.A.

Related Fields of Study

Chemistry and Business
Computer Science
Corporate Communications
Health Administration
International Studies Minor
Psychology (Human Resources)

Related Graduate Study at Arcadia University

Master of Business Administration (M.B.A.) with an International Perspective (See Graduate Catalog.)

Pathways to Study Abroad in Business

Students majoring in the Business/Health Administration and Economics Department are strongly encouraged to spend a semester or year studying abroad. Generally the sophomore and junior years are the most convenient times to study abroad, although the second semester of the freshmen year and the

BUSINESS ADMINISTRATION•ACCOUNTING• MANAGEMENT INFORMATION SYSTEMS at Arcadia University

first semester of the senior year are possibilities. With prior approval, courses taken at foreign universities can be transferred to Arcadia to fulfill Undergraduate Curriculum, including major, requirements.

Visit the University's Web site for Pathways to Study Abroad (www.arcadia.edu/pathways) and suggested course sequences. Since it is important that students plan ahead for study abroad, they should consult with their advisers as early as possible to make their intentions known to the Department Chair and the Director of International Services.

About the B.A. and B.S in Business Administration, Accounting and Management Information Systems

- Preparation for careers in business, industry and not-for profits
- Preparation for graduate programs in law, business, public administration or economics
- Computer simulations in first-, third-, and fourth-year courses
- Experiential, integrative learning through case studies
- Real-world experience through internships and co-ops
- Opportunities to spend a semester or a year abroad, or to do an internship abroad at some of the top universities around the world
- Preparation for certification examination

Banking, government, insurance, advertising, sales, healthcare, manufacturing, service—every organization needs qualified managers in order to operate smoothly and effectively. Business Administration is a comprehensive major that can lead to a rewarding career in either a for-profit or not-for-profit organization. Arcadia's Business courses are designed to

- Provide the student with an understanding of external forces, including the technological, legal, cultural and economic conditions that influence organizations and managerial decision making.
- Expose the student to each of the major internal functions that

organizations must perform to succeed.

- Develop the student's interpersonal, communication, team-management, quantitative and writing skills.
- Encourage the student to develop an organizational point of view and integrate what he or she has learned.
- Offer the student an international perspective through both coursework and travel opportunities.

Business programs utilize experiential learning techniques for active involvement in the learning process. These techniques facilitate understanding the external and internal conditions facing organizations and the concepts, tools and techniques that can be used to deal with various conditions. Students learn through simulations, case studies and experiential activities, internships, presentations, study abroad, and hands-on use of technology.

Simulations: In courses such as freshman-level International Business, junior-level Principles of Marketing, and senior-level Business Policy, student groups compete against each other as they run their own simulated companies. These simulations actively involve students in decision-making processes that managers go through daily, as well as those that require the formulation, implementation and evaluation of long-term strategies. The University has entered teams in international collegiate business competitions that utilize business simulations. Arcadia teams compete with international students as well as those from across the United States, and Arcadia teams place well based on their overall group performance.

Case Studies and Experiential Exercises: Case studies and situational analysis activities are used in many classes to engage the learner in active problem-solving situations in business environments. These activities expose students to different situations facing industries, firms and individuals.

Internship: The internship experience provides the opportunity to apply knowledge as well as to learn from the experience itself. Students have a number of options to complete the requirements for the internship depending upon their education and career goals.

BUSINESS ADMINISTRATION•ACCOUNTING• MANAGEMENT INFORMATION SYSTEMS at Arcadia University

Presentations: To provide students with opportunities to develop presentation skills, most of the above activities require written, oral and visual presentations. Recognizing that organizational decisions are not always based on individual analyses, many of these activities involve group projects.

Study Abroad: A particularly attractive option within the Department is the opportunity to spend a semester or even a year studying abroad. In most cases, it is even possible to do the internship abroad. The University also offers two-week study abroad opportunities.

Technology: Recognizing the increasing importance of information technologies in building and managing successful organizations in the 21st century, Arcadia University has become a member of the SAP University Alliance program. SAP America is the global leader in enterprise software solutions, and Arcadia's affiliation since 1999 lets students and faculty learn about cutting-edge information management practices as applied to various areas of business administration, including accounting and finance, operations, marketing, and human resources.

Graduate School Preparation: Arcadia's Business programs are designed to prepare students to pursue further study at the graduate level. Arcadia offers a Master of Business Administration (M.B.A.) with an International Perspective. The program, which couples academic coursework with leading industry technology, includes two international experiences. It is recommended that students have two years of work experience to take part in the program. Students with exceptional undergraduate records with less work experience may be considered. Arcadia alumni are invited to enter this degree program once they have gained experience in the field. (See Graduate Catalog.)

Accreditation and Memberships: Arcadia's undergraduate Business program is accredited by the Association of Collegiate Business Schools and Programs (ACBSP). Arcadia is a member of the Association to Advance Collegiate Schools of Business (AACSB) International and the Middle Atlantic Association of Colleges of Business Administration (MAACBA). For certain types of courses, the Department recognizes transfer

credit evaluations done by professional organizations, such as American Institute of Banking (AIB), American Council on Education, Post-Secondary Organization for Non-Collegiate Sponsored Instruction (ACE, PONS), and Life Organization Management Association (LOMA). For information on specific organizations and courses, contact the Chair of the Department of Business/Health Administration and Economics.

Minors: The Department strongly recommends the completion of a minor in another field of study. Minors in Accounting and Business Administration are for students from outside the Department of Business/Health Administration and Economics and are not open to students majoring in the Department. The minor in Health Administration is available to Accounting and Business Administration majors as well as majors from other disciplines.

Senior Capstone Experience

All majors at Arcadia University complete a senior Capstone project that involves integrating prior knowledge, preparing written reports, and making a public presentation. For majors in Accounting, Business Administration, International Business and Culture, and Management Information Systems, this Capstone requirement is satisfied by successful completion of BA 470 or BA 471 Internship and BA 495 Policy Formulation and Administration, both of which are required courses for these majors.

Bachelor of Arts Degrees

Degrees: The Bachelor of Arts provides background in core business areas as well as in liberal arts. The Bachelor of Arts degree is offered in

- Accounting
- Business Administration
- International Business and Culture
- Management Information Systems

Emphases: Students pursuing the Bachelor of Arts in Business Administration who want to gain greater depth in a particular business area can complete an emphasis in the following:

Glenside Campus

- Economics

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- Marketing

Abroad (minimum of one semester)

- International Economics
- International Human Resources
- International Management
- International Marketing

A description of each area of emphasis can be found in the next section dealing with the Bachelor of Science degrees. Students who elect not to pursue an emphasis will have the opportunity to gain greater depth in a variety of liberal arts areas. In some cases, the student may be able to complete all courses required for a liberal arts major in addition to meeting the requirements for the Bachelor of Arts in Business Administration.

Bachelor of Science Degrees

Degrees: The Bachelor of Science provides background in core business areas as well as in liberal arts. The Bachelor of Science degree is offered in the following:

- Accounting
- Business Administration
- Management Information Systems.

Emphases: Students pursuing the Bachelor of Science in Business Administration are required to complete an area of emphasis in one of the following:

Glenside Campus

- Economics
- Marketing

Abroad (minimum of one semester)

- International Economics
- International Finance
- International Human Resources
- International Management
- International Marketing

Economics (Glenside)

The emphasis in Economics provides training in the application of microeconomics and macroeconomics to problems of business decision making and the effect of governmental policies on the business environment. The emphasis prepares students to pursue business careers that are related to the fields of applied economics, economic development, regulation and policy analysis. Students intending to pursue graduate programs in law, business, public

administration or economics will find that this emphasis serves as an excellent foundation.

Marketing (Glenside)

This emphasis provides background appropriate for entry-level positions in the marketing departments of corporations and more specialized marketing firms such as advertising agencies and market research organizations.

International Economics (Abroad)

This emphasis provides an international perspective on how trade agreements, regulations and labor forces influence the economic conditions of a country. Students completing this emphasis may pursue careers in multinational corporations and government.

International Finance (Abroad)

This emphasis provides an international background in finance for students interested in working in economic and financial institutions or finance departments of corporations. By taking some additional Accounting classes, students will be prepared to sit for the CFM examination. Students pursuing this emphasis are required to complete Calculus I and Statistics prior to studying abroad. Ideally, they will have completed Calculus II and Intermediate Statistics as well.

International Human Resources (Abroad)

This emphasis provides an international background appropriate for today's personnel/human resources professional. It prepares students for entry-level positions in personnel/human resources departments or to sit for the certification examination administered by the Society for Human Resources Management.

International Management (Abroad)

This emphasis provides an international background for today's aspiring managers. It prepares students for entry-level positions as managerial trainees and provides a broad overview of the manager's role in an organization.

International Marketing (Abroad)

This emphasis provides an international background for students preparing for an entry-level position in the field of marketing. Studying how economies around the world

BUSINESS ADMINISTRATION•ACCOUNTING• MANAGEMENT INFORMATION SYSTEMS at Arcadia University

satisfy customer wants and needs will offer students a global perspective about marketing.

Bachelor of Arts and Bachelor of Science in Accounting

The B.A. and the B.S. degrees in Accounting provide detailed insight into accounting principles, theory and specialties such as tax, cost and auditing. Students are prepared for positions in business, government and other organizations. These degrees provide all the courses required for students to sit for the Certified Public Accountant (CPA) examination in Pennsylvania and some other states, as well as the Certified Management Accountant (CMA) examination.

Bachelor of Arts in International Business and Culture

The Bachelor of Arts in International Business and Culture offered through the Department of Business/Health Administration and Economics provides coursework that prepares students for positions and advancement in business, government and other organizations that operate globally. Building on a strong liberal arts base, students acquire the skills, knowledge and abilities that are important in an international setting and proficiency in a second language. Other required courses provide necessary knowledge, skills and abilities for individuals who will be working with people from diverse cultures and backgrounds. (See separate catalog section.)

Bachelor of Arts and Bachelor of Science in Management Information Systems (MIS)

The B.A. and B.S. degrees in Management Information Systems provide the business and computer skills required by professionals in today's highly complex technological environment and employ leading enterprise solutions, such as those provided by SAP and Microsoft. The Management Information Systems major prepares students for the Associate Computing Professional (ACP) certificate. The program is technologically rigorous in the areas of design, development, and implementation of computer-based business information systems. It prepares students for positions in a variety of

organizations as business system analysts, developers and trainers.

Minor in Accounting (Pre-Professional Certification)

The minor in Accounting is designed to provide non-business majors with in-depth training in the accounting field. Students who complete the minor by taking the appropriate eight Accounting courses will meet most, if not all, of the requirements to sit for the CPA examination in Pennsylvania and other states.

Minor in Business Administration (Pre-M.B.A. and Professional Certifications)

The minor in Business Administration is designed to provide non-business majors with an overview of business organizational functions. This background is useful for students who will be working in organizational settings, regardless of their majors. The minor is designed to meet first-year M.B.A. requirements at many leading graduate schools.

Students majoring in Health Administration can minor in Business Administration by completing four Business Administration courses that are not required as part of their major. Individualized minors in Finance, Management, Marketing, or Human Resources Administration can be tailored for non-business majors to meet particular needs. It may be possible to design individualized minors that prepare students to sit for professional certification examinations. Consult with the Department Chair for more information.

Minor in Economics

The minor in Economics is designed to provide majors in the Department as well as non-Business majors with a general background in economics and specific training in rigorous analytical thinking. It builds a strong foundation for graduate study in economics and public administration, business administration and other areas. Students majoring in Business Administration who complete five courses in Economics satisfy the requirements for an emphasis in Economics.

**BUSINESS ADMINISTRATION•ACCOUNTING•
MANAGEMENT INFORMATION SYSTEMS at Arcadia University**

**Daytime and Accelerated
Requirements**

There are a few University-wide differences in requirements between the day and evening accelerated programs. All core courses are offered day and evening; however, some advanced courses are offered only in the evenings.

**Requirements for the B.A.
or B.S. in Accounting**

and

**Requirements for the B.A.
or B.S. in Business
Administration**

(Credits as listed below, with Undergraduate Curriculum requirements and credit requirements for day programs and for evening accelerated programs)

1. Twelve courses in Business

Administration (36–37 credits)

BA 101	International Business
BA 201	Financial Accounting
BA 202	Managerial Accounting
BA 230	Legal Environment of Business
BA 340	Principles of Marketing
BA 362	Human Resources Administration
BA 363	International Organizational Behavior
BA 367	Operations Management
BA 369	Management Information Systems
BA 380	Principles of Finance
BA 470	Internship in Business Administration
BA 495	Policy Formulation and Administration

2. Three courses in Economics (9 credits)

EC 210	Principles of Macroeconomics
EC 211	Principles of Microeconomics
One Economics course beyond EC 210 and EC 211	

3. Two courses in Mathematics (7–8 credits)*

MA 141	Elementary Statistics and lab
MA 145	Quantitative Models for Decision Making
or MA 201/207	Calculus I/Applied Calculus I

4. One course in English (3–4 credits)

EN 218	Business Writing
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**Additional Requirements
for the Degree in Accounting**

(18 credits as listed below)

BA 222	Intermediate Accounting I
BA 223	Intermediate Accounting II
BA 225	Cost Accounting
BA 326	Federal Tax Accounting
BA 327	Auditing
BA 328	Advanced Accounting

**Additional Requirements
for Emphases Within
Business Administration***

Glenside Campus

Economics Emphasis

(9 credits)

EC 216	Intermediate Microeconomics (This course will satisfy the requirement for an Economics course beyond EC 210 and EC 211.)
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Two additional advanced Economics courses selected with the adviser.

Marketing Emphasis

Two of the following courses (6 credits)

BA 341	Advertising and Sales Promotion
BA 348	Marketing Research
BA 344	International Marketing
or BA 349	Marketing: An International Experience

**Additional Requirements
for Emphases within
Business Administration (cont.)***

Abroad (minimum of one semester)

International Economics Emphasis

(9 credits)

EC 216 Intermediate
Microeconomics (This
course will satisfy the
requirement for an
Economics course beyond
EC 210 and EC 211.)

Two additional advanced Economics
courses taken abroad and selected with the
adviser.

International Finance Emphasis

(6 credits)

B.S. Degree Only – Calculus 1, Calculus II,
and Intermediate Statistics.

Two additional advanced Finance courses
taken abroad and selected with the adviser.

International Human Resources Emphasis

(6 credits)

Two additional advanced Human
Resources courses taken abroad and
selected with the adviser.

International Management Emphasis

(6 credits)

Two additional advanced Management
courses taken abroad and selected with the
adviser.

International Marketing Emphasis

(6 credits)

Two additional advanced Marketing
courses taken abroad and selected with the
adviser.

**Additional Requirements
for the Bachelor of Science**

1. Three courses in Mathematics

(9–12 credits)*

MA 201/207 Calculus I/Applied
Calculus I
MA 202/208 Calculus II/Applied
Calculus II
MA 242 Intermediate Methods in
Statistics

**Requirements for the B.A.
in International Business
and Culture** (See separate listing.)

**Requirements for the B.A.
and B.S. in Management
Information Systems**

(Credits as listed below, with Undergraduate
Curriculum requirements and credit
requirements day programs and for evening
programs)

1. Ten courses in Business Administration
(30 credits)

BA 101	International Business
BA 201	Financial Accounting
BA 202	Managerial Accounting
BA 230	Legal Environment of Business
BA 340	Principles of Marketing
BA 362	Human Resources Administration
	or BA 363 International Organizational Behavior
BA 367	Operations Management
BA 369	Management Information Systems
BA 380	Principles of Finance
BA 495	Policy Formulation and Administration

2. Eight courses in Computer Science
(24–26 credits)

CS 201	Problem-Solving with Algorithms and Programming I
CS 202	Problem-Solving with Algorithms and Programming II
CS 354	Database Management Systems Design
CS 372	Data Communications I
CS 490	Capstone I
CS 491	Capstone II
Two Computer Science electives in consultation with the adviser	

3. Two courses in Economics
(6 credits)

EC 210	Macroeconomics
EC 211	Microeconomics

**BUSINESS ADMINISTRATION•ACCOUNTING•
MANAGEMENT INFORMATION SYSTEMS at Arcadia University**

**4. Two courses in Mathematics for the
Bachelor of Arts**
(6–8 credits)*

MA 141	Elementary Statistics
MA 145	Quantitative Models
or MA 201/207 Calculus I/Applied Calculus I	

**5. Two or three additional courses in
Mathematics for the Bachelor of Science**
(9–12 credits)

MA 201/207	Calculus I/Applied Calculus I
MA 202/208	Calculus II/Applied Calculus II
MA 242	Intermediate Methods in Statistics

BA 340	Principles of Marketing
BA 362	Human Resources Administration
BA 363	Organizational Behavior
BA 367	Operations Management
BA 369	Management Information Systems
BA 380	Principles of Finance

3. Two courses in Economics

EC 210	Principles of Macroeconomics
EC 211	Principles of Microeconomics

4. One course in Mathematics

MA 145	Quantitative Models for Decision Making
or MA 201/207 Calculus I/Applied Calculus I	

**Requirements for the
Minor in Accounting
(Pre-Professional Certification)**

(24 credits as listed below)

**1. Eight courses in Business
Administration**

BA 201	Financial Accounting
BA 202	Managerial Accounting
BA 222	Intermediate Accounting I
BA 223	Intermediate Accounting II
BA 225	Cost Accounting
BA 326	Tax Accounting
BA 327	Auditing
BA 328	Advanced Accounting

**Requirements for the
Minor in Business
Administration**

(24 credits as listed below)

**1. Three courses in Business
Administration**

BA 101	International Business
BA 201	Financial Accounting
BA 202	Managerial Accounting

**2. At least two additional courses in
Business Administration** generally from
the following, although some tailoring is
possible:

BA 230	Legal Environment of Business
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**Requirements for the
Minor in Business
Administration
(Pre-Professional Certification)**

These minors are tailored for non-business majors to meet specific certification requirements such as the Certified Management Accountant (CMA), Professional in Human Resources (PHR), and Certified Financial Manager (CFM) as well as others. Interested students must consult with the Chair of the Department to identify appropriate courses.

**Requirements for the
Pre-M.B.A. Minor**

(33 to 35 credits as listed below)

**1. Seven courses in Business
Administration**

BA 201	Financial Accounting
BA 202	Managerial Accounting
BA 340	Principles of Marketing
BA 363	International Organizational Behavior
BA 367	Operations Management
BA 369	Management Information Systems
BA 380	Principles of Finance

2. Two courses in Economics

BUSINESS ADMINISTRATION•ACCOUNTING• MANAGEMENT INFORMATION SYSTEMS at Arcadia University

EC 210	Principles of Macroeconomics
EC 211	Principles of Microeconomics

3. Two courses in Mathematics

MA 141	Elementary Statistics
MA 145	Quantitative Models for Decision Making
or MA 201/207 Calculus I/Applied Calculus I	

All students interested in this certificate must consult with the Department Chair. Candidates for the Post-Baccalaureate Certificate must complete at least seven of the required courses at Arcadia University. All course requirements must be fulfilled and a grade of "C" or better (cumulative GPA of 2.0) must be earned in all courses presented for the certificate. The Department Chair may approve substitute courses.

(33–35 credits as listed below)

Requirements for the Minor in Economics

(15 credits as listed below)

1. Five courses in Economics

EC 210	Principles of Macroeconomics
EC 211	Principles of Microeconomics
EC 212	Money and Banking
EC 216	Intermediate Microeconomics
One Economics elective chosen in consultation with the Economics adviser.	

Requirements for the Post-Baccalaureate Certificate in Business Administration (Pre-M.B.A.)

Adviser

Assistant Professor Dr. Annette L. Halpin
(Chair)

The Post-Baccalaureate Certificate is designed for students who have a bachelor's degree in a field other than business and want to acquire a background in business administration to satisfy prerequisites for graduate study or to seek employment. In addition to the general certificate, specialized certificate programs also can be arranged through the Department Chair in the areas of Accounting, Finance, Management, Marketing and Human Resource Administration.

1. Seven courses in Business

Administration

BA 201	Financial Accounting
BA 202	Managerial Accounting
BA 340	Principles of Marketing
BA 362	Human Resources Administration
or BA 363 International Organizational Behavior	
BA 367	Operations Management
BA 369	Management Information Systems
BA 380	Principles of Finance

2. Two courses in Economics

EC 210	Principles of Macroeconomics
EC 211	Principles of Microeconomics

3. Two courses in Mathematics

MA 141	Elementary Statistics
MA 145	Quantitative Models for Decision Making
or MA 201/207 Calculus I/Applied Calculus I	

4. Recommended for students who plan to pursue graduate study

MA 201/207	Calculus I/Applied Calculus I
MA 202/208	Calculus II/Applied Calculus II
MA 242	Intermediate Methods in Statistics

Requirements for the Post-Baccalaureate Certificate in Management Information Systems

Adviser

Assistant Professor Dr. Sassan Hejazi

The post-baccalaureate program is designed for students who already possess a bachelor's degree and want to gain expertise in the analysis, selection and implementation of computer-based techniques to solve organizational problems. The program provides students with a balanced combination of coursework from computer science and business administration. The program format is customized for each student through electives selected in consultation with the adviser.

Candidates for the Post-Baccalaureate Certificate must complete at least seven of the required courses at Arcadia University. A grade of "C" or better is required for any course used to meet a requirement.

(33–37 credits as listed below)

1. Three courses in Business Administration

BA 101	International Business
BA 363	International Organizational Behavior
BA 369	Management Information Systems

2. Four courses in Computer Science

CS 201	Problem Solving with Algorithms and Programming I
CS 202	Problem Solving with Algorithms and Programming II
CS 354	Database Management System Design

An additional Computer Science course at the 200 or 300 level.

3. Two courses in Mathematics

MA 141	Elementary Statistics
MA 145	Quantitative Models for Decision Making
MA 201/207	Calculus I/Applied Calculus I

4. Two electives at the 200 or 300 level selected in consultation with the adviser. The electives typically will be in Business Administration, Economics, Computer Science and Mathematics.

Business Administration Courses (BA)

101

International Business

(3 credits; Fall, Spring)

This course is a basic survey of the fundamentals of business administration, looking at both external and internal factors that influence organizational decisions. External factors include the political, economic and legal systems as well as culture. Internal factors include marketing, management, accounting, human resources, and finance. Considering the above, students examine the role of the organizational decision-maker operating in the global marketplace.

Prerequisites: Mathematics proficiency at least at the level of MA 100.

201

Financial Accounting

(3 credits; Fall, Spring, Summer)

This course is designed to provide students with fundamental exposure to the steps in the accounting cycle leading up to the preparation and analysis of financial statements. The focus of the course is on how accounting provides information to users so they can then make more informed decisions. Specific topics include asset and equity measurement, income determination, cash flow and working capital.

Prerequisite: Facility in working with quantitative material is required for this course. Such facility may be demonstrated by appropriate mathematics courses that were completed recently, by a sufficiently high, recent SAT or ACT score, or by a placement examination through the University or an outside testing association. Students who need review in mathematics will need to take MA 100 prior to BA 201. MA 145 is recommended.

202

Managerial Accounting

(3 credits; Fall, Spring, Summer)

This course is a continuation of BA 201 and an introduction to the use of accounting information for managerial decision making. Topics include cost accounting systems, budgeting, decision-making information and performance reporting.

Prerequisite: BA 201 or equivalent.

BUSINESS ADMINISTRATION•ACCOUNTING• MANAGEMENT INFORMATION SYSTEMS at Arcadia University

222

Intermediate Accounting I

(3 credits, Fall)

Extensive examination of accounting theory, the accounting process, and problems associated with presenting fairly the financial position and operating results of business entities. Includes in-depth study of current and non-current assets and current liabilities. Offered in day in even years and evening in odd years.

Prerequisite: BA 202.

223

Intermediate Accounting II

(3 credits, Spring)

Continuation of BA 222. Examines generally accepted accounting principles and problems associated with presenting fairly the operating results, financial position and changes in financial position of business entities. Includes detailed consideration of shareholders' equity, earnings per share, tax allocation, pensions, leases and price level changes. Introduces preparation, analysis and interpretation of financial statements. Offered in day in odd years and evening in even years.

Prerequisite: BA 222.

225

Cost Accounting

(3 credits, Spring)

Detailed examination of principles and practices of industrial/commercial cost accounting. Includes cost planning and budgeting, cost controls, job order and process costing systems, standard costing and variance analysis, variable/direct costing, performance reports and relevant costs in management decision making. Offered in day in even years and evening in odd years.

Prerequisite: BA 202.

230

Legal Environment of Business

(3 credits; Fall, Spring)

A first-level course. Surveys the business legal environment and legal subjects of practical utility to business. Emphasizes basic contractual concepts including formation, operation and discharge. Provides an introduction to governmental control of business.

232

International Environmental and Legal Issues for Business

(3 credits; Spring)

Covers the international legal environment that influences business decisions. Includes international treaties, sources of international laws, environmental laws, contracts, tariffs and trade, licensing, agency and employment, and

regulatory issues. Particular emphasis is given to the European Economic Community and the North American Free Trade Agreement (NAFTA) and the effect they have on the multinational enterprise.

285

Selected Topics in Business Administration

Not regularly scheduled.

326

Federal Tax Accounting

(3 credits; Fall)

Introductory exposure to federal income tax legislation, rules and regulations applicable to tax determination for individuals, corporations and partnerships. Emphasizes the relationships among tax theory, tax preparation and tax planning. Offered in day in even years and evening in odd years.

Prerequisite: BA 202.

327

Auditing

(3 credits; Fall)

Survey of auditing theory, objectives, and practices related primarily to the responsibilities of the independent professional accountant. Includes an overview of professional ethics, generally accepted auditing standards and internal control procedures. Examines data processing, statistical and sampling methods and report writing. Offered in day in odd years and evening in even years.

Prerequisite: BA 202.

328

Advanced Accounting

(3 credits; Spring)

Detailed examination of the problems associated with business combinations and consolidations, inter-company profit transactions, complex affiliation transactions, branch operations, foreign operations and transactions, and state and local government fund accounting.

Prerequisite: BA 223; or permission of the Chair if taken concurrently with BA 223.

340

Principles of Marketing

(3 credits; Fall, Spring, Summer)

Examination and analysis of marketing management in the modern organization. Basic marketing concepts, including a target market and the four Ps - product, price, place and promotion are covered. Evaluates the marketing manager's task in relation to the strategic and economic goals of the organization and in terms of environmental factors, including the international milieu.

Prerequisites: EC 211 and junior standing.

BUSINESS ADMINISTRATION•ACCOUNTING• MANAGEMENT INFORMATION SYSTEMS at Arcadia University

341

Advertising and Sales Promotion

(3 credits; Fall)

Study of the communication-promotion decision process of organizations. Examines the effects of source, message, and media variables on audience, response to communication campaigns, and the interactions among these variables. Emphasizes the promotion model consisting of the roles of personal selling, sales, promotion, publicity and advertising.

Prerequisite: BA 340.

344

International Marketing

(3 credits; Spring)

Examination of potential international market entry strategies. Includes exporting, the use of agents and licensing. Also studies the historical and theoretical background of foreign trade, world marketing environment and patterns, and international marketing organization and management.

Prerequisite: BA 340.

348

Marketing Research

(3 credits; Spring)

Consideration of marketing research that involves the gathering and analysis of information to assist management in making marketing decisions. Examines the application of the research process, methods and technique as an integral part of strategic decision-making in marketing management.

Prerequisites: BA 340, MA 141.

349

Marketing: An International Experience

(3 credits; Fall)

This course explores international marketing with respect to Europe in an experiential fashion. Students study on the Arcadia University campus for two weeks, then engage in two weeks of study in England, and return to Arcadia University for two final weeks. Specific topics covered include the European Economic Community, product planning, U.S. brands in the British marketplace, British advertising/promotion techniques, and comparisons of the U.S. and British markets.

Prerequisite: BA 340.

362

Human Resources Administration

(3 credits; Fall, Spring)

Study of the functions performed by the personnel department in an organization, including human resource planning, recruitment, selection, performance appraisal, training and development, wage and salary administration,

employee benefits, safety and health and employee management relations. Includes discussion of the various theories, concepts, approaches, tools and techniques appropriate for each function.

Prerequisite: Junior standing.

363

International Organizational Behavior

(3 credits; Fall, Spring)

Application of psychological principles to human relationships within an enterprise. Studies the dynamics of intrapersonal and interpersonal relationships, emphasizing the manager's leadership role in utilizing and developing human resources. Includes motivation, interpersonal communications, leadership and influence, socialization, organizational development and career development.

Prerequisite: Junior standing.

367

Operations Management

(3 credits; Fall, Spring)

Study of the selection, design, control and updating of systems concerned with providing goods or services. Emphasizes quantitative tools and techniques for dealing with system problems. Includes program management, statistical quality control, inventory control, process optimization, global supply chain, queuing theory, material requirements planning, and enterprise resource planning.

Prerequisites: Junior standing, MA 141, and either MA145 or 201/207.

369

Management Information Systems

(3 credits; Fall, Spring)

Analysis and design of computer-based information systems for business applications. Study of relationships between various categories of information system architectures and organizational strategic and management requirements.

Prerequisites: Junior standing and CS 104 or MA 145 or familiarity with microcomputer software such as Excel and Access.

380

Principles of Finance

(3 credits; Fall, Spring, Summer)

Introduction to corporate finance stressing the management approach as it applies to asset management and capital structure. Emphasizes capital budgeting, capital structure and working capital management, and sources of funds. Illustrates basic principles through a problem-solving approach.

Prerequisites: BA 202 and junior standing. MA

BUSINESS ADMINISTRATION•ACCOUNTING• MANAGEMENT INFORMATION SYSTEMS at Arcadia University

145 is recommended. May not be taken by students who have completed HA 301.

381

Advanced Financial Analysis

(3 credits; Fall through 2010)

Introduction to corporate finance stressing the financial operations of publicly-held corporations. The concepts of time value of money, risk, rates of return, capital budgeting, and securities valuation are presented in theory as well as practice. Illustrates basic principles through a problem-solving approach.

Prerequisite: BA 380.

382

Investments

(3 credits; Spring)

Examination of investment principles and methods: business condition analysis, portfolio management, and evaluation of other investment opportunities. Focuses on analysis of corporate securities and issues of governmental bodies as investment vehicles.

Prerequisite: BA 380.

390

Seminar in Business Administration

(3 credits)

Seminar course in business administration focusing on current problems and issues in business administration. Requires a research paper as a major component of the course.

Prerequisites: BA 340, 369, 380 and senior standing in Business Administration.

470

Internship in Business Administration

(3 credits; Fall, Spring, Summer)

The Internship course is designed to allow the student to complete 80 hours of out-of-class work experience. The full-time student has the following three options. **1) Traditional:** In

consultation with the employer and the instructor, the student identifies an internship site and undertakes a project in an area of business administration. **2) Administrative Experience:**

The student shadows professionals in a business setting, observing and experiencing the interaction of people and tasks within the organization. **3) Global Small Business Institute (GSBI):** The student works with the Global Small Business Institute at Arcadia University as a student consultant, providing assistance to a GSBI client as assigned.

4) Personal Business Plan: The student researches an industry and creates a business plan for an entrepreneurial venture of his/her own choosing in consultation with one or more mentors. Adult learners have an additional

option, the **Business Research Project**, where through a combination of research of the business literature and personal interviews, the student provides viable solutions to a problem facing his/her current employer.

Prerequisites: BA 340, 369, 380; senior standing in Accounting or Business Administration or permission of the Chair.

471

International Internship in Business and Culture

(3 credits; Fall, Spring, Summer)

The Internship course is designed to allow the student to complete 80 hours of out-of-class work in an international environment. The full-time student has the following three options.

1) Traditional: In consultation with the employer and the instructor, the student identifies an internship site and undertakes a project in an area of international business. **2) Administrative Experience:** The student shadows professionals in an international business setting, observing and experiencing the interaction of people and tasks within the organization. **3) Global Small Business Institute (GSBI):** The student works with the Global Small Business Institute at Arcadia University as a student consultant, providing assistance to a GSBI client on a project related to international business. **4) Personal**

Business Plan: The student researches an industry and creates a business plan for an entrepreneurial venture involving an international business. Adult learners have an additional option, the **Business Research Project**, where through a combination of research of the business literature and personal interviews, the student provides viable solutions to an international business problem facing his/her current employer.

Prerequisites: BA 340, 369, 380, senior standing in International Business and Culture or permission of the Chair.

495

Policy Formulation and Administration

(3 credits; Spring)

Integration course in policy making and administration from the point of view of top management. Develops a total organization approach to problem solving through, readings, case studies and a general management simulation.

Prerequisites: BA 340, 369, 380 and senior standing in Business Administration. BA 367 recommended but can be taken concurrently.

Economics Courses (EC)

210

Principles of Macroeconomics

(3 credits; Fall, Spring, Summer TBA)

This course surveys the concepts of supply and demand, national income accounting, fiscal and monetary policy, theory of income determination, and the problems of inflation, unemployment and economic development. Topics covered include the meaning and measurement of gross domestic product, the causes of business cycles, the role of government expenditures and taxation in maintaining economic stability, the role of money in domestic and international economies, international trade, the determination of exchange rates and the balance of payments. The course concludes by evaluating the performance of governments in financing their public debt and the resultant effect on financial markets and the trade deficit.

Prerequisite: Facility in working with quantitative material is required for this course. Such facility may be demonstrated by appropriate mathematics courses that were completed recently, by a sufficiently high recent SAT or ACT score, or by a placement examination through the University or an outside testing association. Students who need review in mathematics will need to take MA 100 prior to EC 210. MA 145 is recommended.

211

Principles of Microeconomics

(3 credits; Fall, Spring, Summer TBA)

An examination of the theory of price. Survey of the concepts of supply and demand, utility, elasticity, cost and production. Compares price determination in different markets, perfect competition, monopolistic competition, monopoly and oligopoly. Focuses on the economics of the individual economic agent.

Prerequisite: Facility in working with quantitative material is required for this course. Such facility may be demonstrated by appropriate mathematics courses that were completed recently, by a sufficiently high recent SAT or ACT score, or by a placement examination through the University or an outside testing association. Students who need review in mathematics will need to take MA 100 prior to EC 211. MA 145 is recommended.

212

Money and Banking

(3 credits; Fall)

This course studies the role of money, interest rates and financial intermediation in the operation of the U.S. economy. The intent of the course is to give students an overview of the U.S. financial system and its global ramifications. This course

includes the organization, administration, and regulation and deregulation of commercial banks and financial markets. Detailed examination of the role of central banking authorities in influencing the macro-economy.

Prerequisite: EC 210.

216

Intermediate Microeconomics

(3 credits; Spring)

Detailed study of price determination and resource allocation under conditions of perfect and imperfect markets. In addition to supply and demand analysis, key economic concepts such as diminishing marginal utility, elasticity, production and cost, optimization theory, producer and consumer surplus, dead weight loss and firm behavior under alternative market structures are explored.

Prerequisites: EC 210, EC211.

285

Selected Topics in Economics

(Not regularly scheduled.)

300

Seminar in Economics

(3 credits; not regularly scheduled.)

330

Natural Resource Economics

(3 credits; Fall)

The aim of this course is to introduce students to the principles and practice of applying economic methods of analysis to issues relating to natural resources and the environment. Concepts of sustainability and the discounting of future costs and benefits are discussed and these techniques are then applied to the use of non-renewable and also renewable resources. The economics of biodiversity loss are examined, and this leads into a consideration of the economic valuation of environmental goods.

Prerequisite: EC 211 or permission of the instructor.

350

International Economics

(3 credits; Spring)

Analytical treatment of theories and empirical findings in the explanation of trade flows, foreign exchange markets, balance of payment, international liquidity and world economic institutions.

Prerequisites: EC 210, EC211.

BUSINESS ADMINISTRATION

Accelerated Degree Completion at Arcadia University

Global Perspectives...Personal Attention...Real-World Integrative Learning Experiences

Faculty

Professor

Thomas M. Brinker Jr. (Coordinator of Accounting)

Associate Professors

Dr. Wayne A. Morra (Adviser for Economics)

Dr. Tony Muscia (M.B.A. Executive Director)

Assistant Professors

Dr. Annette L. Halpin (Chair)

Dr. Sassan Hejazi (SAP Coordinator)

Joel Wagoner

Dr. Michelle Washington

Instructor

Zaneta Chapman

Full-Time Adjunct

Robert H. Kieserman

Adjunct Professors

Charles Corace

Glenn Cronin

Dr. Joseph Falzone

Jane Hartman-Frankel

Wick Hannan

Robert H. Kieserman

Anna McAleer

Linda S. Moonblatt

Degree/Concentrations

Bachelor of Arts in Business Administration

Related Fields of Study

Chemistry and Business

Computer Science

Corporate Communications

Health Administration

Management Information Systems

Related Graduate Study at Arcadia University

Master of Business Administration (M.B.A.) with an International Perspective (See Graduate Catalog.)

Pathways to Study Abroad in Business

Visit the University's Web site for Pathways to Study Abroad (www.arcadia.edu/pathways).

Since it is important that students plan ahead for study abroad, they should consult with their advisers as early as possible to make their intentions known to the Department Chair and the Director of International Services.

About the Business Degree Completion Program

- Degree completion program for adult learners
- Upper-level business courses
- Accelerated evening courses
- Online courses
- Transfer student agreements with Bucks County Community College, Burlington County College, and Montgomery County Community College
- Assured admission to Arcadia's M.B.A. with an International Perspective program

Accelerated for Working Professionals:

Arcadia's accelerated classes (partially and fully online courses) allow qualified working professionals and adult learners to complete the bachelor's degree in the shortest time possible—while getting an international perspective on a global marketplace. The program is designed for students who have completed most or all of the first two years of college.

Online Courses: Upper-level business courses are offered in an accelerated format with each course spanning just seven weeks. Fully online classes provide flexibility for students who may not be able to attend on-site classes due to work and/or personal responsibilities. Partially online classes employ a hybrid delivery format, with both face-to-face meetings and online course components. Partially online classes meet once a week from 6:30 to 10 p.m. with additional Internet assignments during the seven weeks. Electives can be taken online or on campus.

BUSINESS ADMINISTRATION Accelerated Degree Completion at Arcadia University

Students will take approximately 30 elective credits in order to complete their degree, which could include a one-week international experience.

Assured Admission to the M.B.A. with an International Perspective program: Students who complete the Accelerated Degree Completion program with a 3.0 GPA or better overall and in business courses and who have two years of work experience are assured admission into Arcadia's M.B.A. with an International Perspective. This two-year M.B.A. program also is designed for working professionals. By accelerating their coursework through summers, students entering the Accelerated Degree Completion Program can complete both their bachelor's and master's degrees in about four years.

The Accelerated Degree Completion program in Business Administration is a Bachelor of Arts program aimed at working professionals and adult learners who desire to upgrade their skills or progress in their careers. This program is designed for students who have completed most or all of the equivalent of the first two years of college. The accelerated courses in this program include the upper-level business requirements for a general business degree.

Community College Transfer: Arcadia has core-to-core agreements with Bucks County Community College, Burlington County College, and Montgomery County Community College. Enrollment Management advisers assist students in determining how their existing credits will transfer. Please call 1-877-ARCADIA (877-272-2342) or e-mail the transfer coordinator at admiss@arcadia.edu for more information.

Requirements for the Accelerated Bachelor of Arts in Business Administration

(60-90 credits including the Business prerequisites listed below, 10 upper-level Business and Economics courses listed below, Undergraduate Curriculum requirements and electives to total 120 credits)

Students entering this program should have completed the following prerequisite courses: Financial Accounting, Managerial Accounting, Legal Environment of Business, Macroeconomics, Microeconomics, Quantitative Methods or Calculus 1, and Statistics.

The Office of Enrollment Management would be happy to talk with students who have not completed all of the coursework listed above. Most pre-requisites are offered in an accelerated format (partially or fully online). Students who have any questions about the prerequisite courses are encouraged to call 215-572-2910.

With the accelerated format, students take two 7-week courses per semester (Fall, Spring, Summer), one course following the other.

At least half of the required Business and Economics courses must be taken at Arcadia University.

1. The following 10 upper-level Business courses are required (30-31 credits):

BA 340	Principles of Marketing
BA 362	Human Resources Administration
BA 363	International Organizational Behavior
BA 367	Operations Management
BA 369	Management Information Systems
BA 380	Principles of Finance
BA 344	International Marketing
BA 495	Policy Formulation and Administration (Capstone Course)
EN 218	Business Writing
An advanced Economics course	
2. Additional Electives from the Business/Health Administration and Economics Department as well as other Departments offered in accelerated, fully online, or partially online formats to reach 120 credits.

CHEMISTRY AND BUSINESS

at Arcadia University

Global Perspectives...Personal Attention...Real-World Integrative Learning Experiences

Faculty Advisers

Professor

Dr. Chester M. Mikulski, Chair of the
Chemistry Department

Assistant Professor

Dr. Annette L. Halpin, Chair of the
Department of Business/Health
Administration and Economics

Degree

**Bachelor of Science in Chemistry and
Business**

Related Graduate Study at Arcadia University

Master of Business Administration (M.B.A.)
with an International Perspective (See
Graduate Catalog.)

Pathways to Study Abroad in Chemistry and Business

Chemistry and Business majors can elect to spend a semester or year studying abroad. In conjunction with their advisers and the Chair of each Department, students in the sophomore or junior year can enroll in classes at foreign universities. Credits for these courses transfer to Arcadia to fulfill Undergraduate Curriculum requirements, including and Chemistry or Business requirements.

Through its College for Global Studies, Arcadia University has special arrangements with universities in England, Scotland, Wales and Northern Ireland, Australia, Ireland, Spain and New Zealand that offer chemistry, biochemistry and business courses.

Visit the University's Web site for Pathways to Study Abroad (www.arcadia.edu/pathways) and suggested course sequences. Since it is important that students plan ahead for study abroad, they should consult with their advisers as soon as possible and make their intentions known to the Department Chair and the Director of International Services.

About the B.S. in Chemistry and Business

- Preparation for careers in chemical and pharmaceutical companies
- Senior internship at chemical or pharmaceutical firm
- Preparation for M.B.A.
- Opportunities to study abroad at some of the top universities around the world

The Bachelor of Science in Chemistry and Business is designed for students who have an interest in Chemistry but do not want to pursue a career in research. With a dual major in Chemistry and Business, graduates of the program are prepared for positions in management, marketing, advertising and sales or for other business activities in chemical and pharmaceutical companies. A highlight of the program is the senior-level internship, which involves placement in a chemical or pharmaceutical firm.

Graduate School: In addition to having immediate job applicability, the degree is designed to meet the M.B.A. requisite courses for many leading graduate programs, including Arcadia's M.B.A with an International Perspective.

Accreditation and Memberships: The undergraduate program of the Department of Business/Health Administration and Economics is accredited by the Association of Collegiate Business Schools and Programs (ACBSP). Arcadia is a member of AACSB International (Association to Advance Collegiate Schools of Business) and the Middle Atlantic Association of Colleges of Business Administration (MAACBA). The Chemistry Department is certified by the American Chemical Society.

Requirements for the B.S. in Chemistry and Business

(96–98 credits as listed below, with Undergraduate Curriculum requirements and electives to total at least 128 credits)

6. One course in English
EN 218 Business Writing
or EN 315 Technical Writing

1. Seven courses in Chemistry
 - CH 101, 102 Modern Chemical Concepts I, II
 - CH 201, 202 Organic Chemistry: Structure, Mechanisms and Reactions
 - CH 203 Equilibrium and Analysis
 - CH 370 Career Internship in Chemistry*
 - One Chemistry elective at the 300 level.
2. Eleven courses in Business Administration
 - BA 101 International Business
 - BA 201 Financial Accounting
 - BA 202 Managerial Accounting
 - BA 230 Legal Environment of Business
 - BA 340 Principles of Marketing
 - BA 362 Human Resources Administration
 - BA 363 International Organizational Behavior
 - BA 367 Operations Management
 - BA 369 Management Information Systems
 - BA 380 Principles of Finance
 - BA 495 Policy Formulation and Administration
3. Four courses in Mathematics
 - MA 141 Elementary Statistics
 - MA 242 Intermediate Methods in Statistics
 - MA 201/207 Calculus I/Applied Calculus I
 - MA 202/208 Calculus II/Applied Calculus II
4. Three courses in Economics
 - EC 210 Principles of Macroeconomics
 - EC 211 Principles of Microeconomics
 - One Economics course beyond EC 210 and EC 211
5. Two courses in Physics
 - PH 201, 202 Fundamental Concepts of Physics I, II

CHEMISTRY AND PHYSICS

at Arcadia University

Global Perspectives...Personal Attention...Real-World Integrative Learning Experiences

Faculty

Professor

Dr. Chester M. Mikulski (Chair)

Associate Professors

Dr. Peter Campbell

Dr. Emanuele Curotto

Dr. H. Stephen Huber

Dr. Linda M. Mascavage

Degrees and Certificate

Bachelor of Arts in Chemistry

Chemical Professions

Health Professions

Forensic Science

Bachelor of Science in Chemistry

Biochemistry

Bachelor of Science in Chemistry and Business (See separate listing.)

Post-Baccalaureate Certificate in the Sciences

Option

3+2 Accelerated Forensic Science

Program—Bachelor of Arts or Bachelor of Science in Chemistry with a Master of Science in Forensic Science (See separate listing.)

Secondary Education Certification (See Education.)

Minors

Chemistry

Physics

Related Graduate Study at Arcadia University

Master of Arts in Education with a Concentration in Chemistry

Master of Business Administration (M.B.A.) with an International Perspective

Master of Education with a Concentration in Secondary Education with Chemistry Certification

Master of Science in Forensic Science

Pathways to Study Abroad in Chemistry

Chemistry majors can elect to spend a semester or year studying abroad. In conjunction with their advisers and the Chair of the Department, students in the sophomore or junior year can enroll in classes at foreign universities. Credits for these courses transfer to Arcadia to fulfill Undergraduate Curriculum, including upper-level Chemistry, requirements.

Arcadia University's College of Global Studies has special arrangements with universities in England, Scotland, Wales and Northern Ireland, Australia, Ireland, Spain and New Zealand that offer chemistry and biochemistry courses. Visit the University's Web site for Pathways to Study Abroad (www.arcadia.edu/pathways) and suggested course sequences.

Since it is important that students plan ahead for study abroad, they should consult with their advisers as soon as possible and make their intentions known to the Department Chair and the Director of International Services.

About the B.A. and B.S. in Chemistry

- Preparation for chemical professions, including research careers
- Preparation for health professions, including medicine
- Preparation for graduate school
- 3+2 five-year Accelerated Forensic Science Program
- Preparation for teaching with secondary education certification
- Internship opportunities
- Accelerated preparation for Arcadia's master's program in Forensic Science
- Opportunities to study abroad at some of the top universities around the world

Degree options include a Bachelor of Arts in Chemistry, a Bachelor of Science in Chemistry, and a Bachelor of Science in Chemistry and Business.

The Bachelor of Arts in Chemistry features three concentrations. The Chemical

CHEMISTRY AND PHYSICS at Arcadia University

Professions Concentration prepares students for chemical allied professions. The Health Professions Concentration prepares students for medical, dental, osteopathic and veterinary graduate programs or paramedical professions. The Forensic Science Concentration is designed for students who intend to pursue graduate study in Arcadia's Forensic Science master's program.

Arcadia's programs include a variety of internship opportunities. The Chemistry program at Arcadia University is accredited by the American Chemical Society (ACS). Recent graduates have entered regional medical schools and graduate and doctoral programs at Princeton University, University of Maryland, University of Michigan and Cornell University, among others.

The Bachelor of Science in Chemistry consists of core courses in Chemistry, Mathematics and Physics. The program prepares students for graduate work in chemistry, forensic science or chemical allied sciences, for professional employment in industrial chemical research and development, for professional medical programs, and for secondary and post-secondary teaching.

The Bachelor of Science in Chemistry and Business is designed for students who have an interest in chemistry but do not want a research career. With a dual major in Chemistry and Business, graduates of the program are prepared for positions in management, marketing, advertising, sales or other business activities in chemical and pharmaceutical companies. A highlight of the program is the senior-level internship, which involves placement in a chemical or pharmaceutical firm. The program is designed to meet the M.B.A prerequisite courses for many graduate institutions.

These Chemistry programs provide a working knowledge of the concepts that underlie chemical and physical phenomena. Each course develops the ability to solve real scientific problems quantitatively using structural models, mechanisms and the integrated application of physicochemical principles. Technological and cultural scientific problems—such as environmental pollution, energy resources and conservation of natural resources—are explored, along with material in astronomy, geology, chemistry and physics.

Bachelor of Arts in Chemistry

The Bachelor of Arts includes three areas of concentration.

- **Chemical Professions Concentration:** Designed for students who expect to qualify for positions in chemistry, chemical allied professions such as information retrieval or scientific librarian, and secondary school teaching (with the courses required for certification).
- **Health Professions Concentration:** Designed for students interested in medicine, dentistry, veterinary medicine, podiatry, optometry and the paramedical professions.
- **Forensic Science Concentration:** Designed for students who intend to pursue graduate study in Arcadia's Forensic Science master's program.

Bachelor of Science in Chemistry

Bachelor of Science recipients who complete this program are certified by the American Chemical Society as having met that Society's high standards for an undergraduate degree in chemistry.

- **Biochemistry Concentration:** Specifically tailored to students who want to pursue advanced training in the health professions, often the program of choice for pre-medical students.

Minor in Chemistry

The minor in Chemistry is directed toward students who have an interest in chemistry but who do not want to pursue a career in chemistry. This course of study provides a background appropriate for students majoring in areas of science other than chemistry.

Minor in Physics

The minor in Physics is appropriate for students in Mathematics, Engineering or Chemistry, either to develop a stronger background in the physical sciences or to pursue advanced training in disciplines such as applied mathematics, engineering or theoretical chemistry.

Requirements for the B.A. in Chemistry

(56–64 credits as listed below, with Undergraduate Curriculum requirements and electives to total 128 credits)

Common Curriculum for All Concentrations

(32 credits. Substitutions in keeping with a student's intended career may be made with the approval of the Department Chair.)

- Five courses in Chemistry
 - CH 101, 102 Modern Chemical Concepts I, II
 - CH 201, 202 Organic Chemistry I, II: Structure, Mechanisms and Reactions
 - CH 203 Equilibrium and Analysis
- Three courses in Physics and Mathematics from the following:
 - PH 201, 202 Fundamental Concepts of Physics I, II
 - or PH 211, 212 Conceptual Physics I, II
 - MA 201 Calculus I
 - or MA 202 Calculus II
- Recommended
 - CH 303 Biochemistry
 - CH 304 Instrumental Methods of Analysis I
 - CH 305 Inorganic Chemistry
 - CH 306 Advanced Organic Chemistry
 - CH 307 Polymers and Biopolymers
 - CH 333 Statistical Thermodynamics
 - CH 351 Quantum Chemistry and Chemical Physics
 - CH 389 Chemical Research
 - German or French to fulfill Modern Language requirement
 - PH 223 Essentials of Physical Geology
 - PH 224 Frontiers in Astronomy
 - PH 324 Atomic Physics
 - PH 331 Engineering Mechanics
 - CS 104 The Computer as a Tool
 - MA 202, 203 Calculus II, III
 - MA 221 Linear Algebra
 - MA 352 Differential Equations
 - MA 356 Numerical Analysis
 - PL 160 Symbolic Logic

Additional Requirements

In addition to the common curriculum, students must select one of the following concentrations:

Chemical Professions (24 additional credits)

- A minimum of four additional Chemistry electives, including CH 490 Chemistry Seminar
- A minimum of two electives in other science fields

Health Professions (32 additional credits)

- Six courses in Biology
- A minimum of two additional Chemistry electives, including CH 490 Chemistry Seminar

Forensic Science (32 additional credits)

- Six courses in Biology (including BI 101, BI 102, BI 204, BI 321, BI 325, and BI 333)
- A minimum of two additional Chemistry electives (including CH 490 and either CH 303, CH 304, or CH 307)

Requirements for the B.S. in Chemistry

(52 credits as listed below, with Undergraduate Curriculum requirements and electives to total 128)

- Ten courses in Chemistry
 - CH 101, 102 Modern Chemical Concepts I, II
 - CH 201, 202 Organic Chemistry I, II
 - CH 203 Equilibrium and Analysis
 - CH 301, 302 Physical Chemistry I, II
 - CH 303 Biochemistry
 - CH 304 Instrumental Methods of Analysis I
 - CH 305 Inorganic Chemistry
- Two courses in Physics
 - PH 211, 212 Conceptual Physics I, II
- Two courses in Mathematics
 - MA 201, 202 Calculus I, II
- Chemistry Seminar
 - CH 490 Chemistry Seminar

CHEMISTRY AND PHYSICS at Arcadia University

5. Recommended Courses: See the list of recommended courses for the Bachelor of Arts.

Biochemistry Concentration: In order to satisfy the requirements for a Concentration in Biochemistry, students are expected to have successfully completed BI 101-102, BI 204, BI 325, and BI 333 in addition to CH 303.

Requirements for the Minor in Chemistry

(24 credits as listed below)

1. Six courses in Chemistry
 - CH 101, 102 Modern Chemical Concepts I, II
 - CH 201, 202 Organic Chemistry I, II
 - CH 203 Equilibrium and Analysis
2. One additional Chemistry elective at the 300 level

Requirements for the Minor in Physics

(20 credits as listed below)

1. Five courses in Physics
 - PH 201, 202 Fundamental Concepts of Physics I, II
 - or PH 211, 212 Conceptual Physics I, II
 - PH 324 Atomic Physics
2. Two additional Physics electives at the 300 level

Chemistry Courses (CH)

100

Language of Science

(2 credits; Fall)

This course covers basic quantitative methods for introductory science courses. Includes dimensional and unit analysis in the SI and US customary systems, elementary propagation of error analysis, problem solving with simultaneous equations, scientific notation, graphical analysis, and transcendental analysis.

Prerequisite: Placement in MA 110, a passing grade in MA 100 or permission of the instructor to take it concurrently with MA 100.

101

Modern Chemical Concepts I

(4 credits; Fall, Spring)

Introduction to the principles of atomic structure, chemical bonding, states of matter, stereochemistry and their relation to the properties of selected inorganic and organic substances. Presents the historical development, methodology and philosophy of current understanding of transformations of matter and energy from an experimental viewpoint. Three class hours and three laboratory hours weekly.

Prerequisite: CH 100 or placement exam.

102

Modern Chemical Concepts II

(4 credits; Fall, Spring)

Continuation of CH 101. Introduces the principles of chemical energetics, chemical equilibrium, reaction mechanisms, chemical kinetics, electrochemistry and radiation chemistry. Applies chemical principles to the reaction of inorganic and organic substances from a quantitative experimental point of view. Three class hours and three laboratory hours weekly.

Prerequisite: CH 101.

201

Organic Chemistry I: Structure, Mechanisms and Reactions

(4 credits; Fall)

Study of the correlation of acid-base theory, reaction mechanisms, molecular structure, chemical energetics, and spectroscopy to the chemical and physical properties of organic functional groups. Chemistry and Physics laboratory work stresses the synthesis, separation, identification and analysis of selected organic compounds using both micro- and macro-scale techniques. Three class hours and three laboratory hours weekly.

Prerequisite: CH102; or permission of the Department Chair.

202

Organic Chemistry II: Structures, Mechanisms and Reactions

(4 credits; Spring)

Study of the correlation of acid-base theory, reaction mechanisms, molecular structure, chemical energetics and spectroscopy to the chemical and physical properties of organic functional groups. Laboratory work stresses the synthesis, separation, identification and analysis of selected organic compounds using both micro- and macro-scale techniques. Three class hours and three laboratory hours weekly.

Prerequisite: CH 102; or permission of the Department Chair.

CHEMISTRY AND PHYSICS at Arcadia University

203

Equilibrium and Analysis

(4 credits; Spring)

Examination of the principles and theory of chemical equilibrium in the context of quantitative chemical analysis. Includes selected traditional analytical laboratory techniques frequently applied to analyses of systems of biological and environmental interest. Also introduces instrumental techniques of analysis.

Prerequisite: CH 102; or permission of the Chair.

301

Physical Chemistry I

(4 credits; Fall)

Study of the limitations of the degree of completion of chemical reactions and physical processes by natural law. Examines the gaseous state, liquid state, solid-state, thermodynamics, homogeneous chemical equilibria and phase equilibria from both experimental and conceptual viewpoints. Three class hours and three laboratory hours weekly.

Prerequisites: CH 203, PH 202 or 212, MA 202.

302

Physical Chemistry II

(4 credits; Spring)

Continuation of CH 301. Considers the limitations on the rate of change by natural law. Explores the concepts of solutions, heterogeneous equilibria, electrochemistry, chemistry kinetics, quantum mechanics and surface phenomena. Three class hours and three laboratory hours weekly.

Prerequisite: CH 301.

303

Biochemistry

(4 credits; Fall)

Study of the chemistry and metabolism of carbohydrates, lipids, proteins, nucleic acids, vitamins and hormones, along with selected topics in comparative biochemistry, cytochemistry and chemical genetics. Laboratory work emphasizes independent study and methods of biochemical research. Three class hours and four laboratory hours weekly.

Prerequisites: CH 202, CH 203 highly recommended.

304

Instrumental Methods of Analysis I

(4 credits; Fall)

Study of the theory and practice of instrumental analysis. Includes spectrophotometric, chromatographic and mass spectral methods as background for the separation, identification and analysis of chemical substances of clinical and

biological importance. Three class hours and four laboratory hours weekly.

Prerequisite: CH 203. CH 301, 302 highly recommended.

305

Inorganic Chemistry

(4 credits; Spring)

Survey of the representative and transition elements in the context of atomic and molecular structure. Introduces organometallic and solid-state principles as the foundation for understanding coordination theory and the biochemistry of inorganic cations. Laboratory work emphasizes the preparation, properties and characterization of selected inorganic and bioinorganic compounds that employ low and high temperature, vacuum and physicochemical techniques, with both aqueous and non-aqueous systems. Three class hours and three laboratory hours weekly. Offered in odd years.

Prerequisites: CH 202, 203. CH 301, 302 highly recommended.

306

Advanced Organic Chemistry

(4 credits; Spring)

Advanced study of selected topics not covered in the introductory course: Huckle Molecular Orbital Theory; correlation of structure and activity by linear free energy relationships; acidity functions and Bronsted Catalysis Law; symmetry and stereochemistry; pericyclic, electrocyclic and sigmatropic reactions; kinetics and kinetic isotope effects; and application of spectroscopic techniques. Laboratory component involves individual multi-step syntheses and molecular modeling projects. Three class hours and four laboratory hours weekly. Offered in odd years.

Prerequisites: CH 202, 203. CH 301, 302 highly recommended.

307

Polymers and Biopolymers

(4 credits; Fall)

A coherent introduction to modern polymer chemistry designed for students interested in chemistry, physics, engineering and biochemistry. Specifically, this course aims to broaden the perspective of students in the different technical areas to the point where they can appreciate the scope and importance of polymers, biopolymers and contemporary polymer technology. Emphasis is placed on the nature and synthesis of polymers; biological polymers and their reactions; thermodynamics and kinetics of polymerization; and physical characterization, fabrication, testing and uses of both natural and synthetic polymeric materials. Four class hours weekly. Offered in even years.

Prerequisites: CH 201, 202.

CHEMISTRY AND PHYSICS at Arcadia University

333

Statistical Thermodynamics

(4 credits; Fall)

The principles of thermodynamics are investigated from a modern statistical point of view based upon ensemble theory. This includes Maxwell-Boltzmann, Fermi-Dirac and Bose-Einstein statistics, transport phenomena, thermal interactions, kinetic theory and applications to a variety of molecular systems. Offered in odd years.

Prerequisites: CH 102, PH 212, MA 202, CH 301 and 302; or permission of the Chair if taken concurrently with CH 302.

345

Special Topics in Chemistry

Topics vary according to the needs and interests of students and faculty. Possibilities may include medicinal chemistry, practical spectroscopy and the history of chemistry.

351

Quantum Chemistry and Chemical Physics

(2 credits; Spring)

The foundations of quantum chemistry and its applications to chemical systems are explored. The Schrodinger wave equation, the harmonic oscillator, the hydrogen atom and matrix mechanics are examined. Special emphasis is placed on group theory and application to spectroscopy. Offered in even years.

Prerequisites: CH 102, PH 202 or 212, MA 202, CH 301 and 302; or permission of the Chair if taken concurrently with CH 302. MA 452 (previously #352) recommended.

370

Career Internship in Chemistry

(4 credits; Fall, Spring)

Part-time placement designed to test the business aspects of the chemical profession in a work setting and to bring practical knowledge of a functioning chemical or pharmaceutical business to the classroom.

Prerequisites: BA 340, 360, 380, senior standing in Chemistry and permission of the Department Chair.

389

Chemical Research

(4 credits; Fall, Spring)

Introduction to chemical research, the chemical literature, creative thinking, experimental design, treatment of errors and oral and written communication of scientific results. Provides an opportunity to work in a selected research area under the supervision of one or more staff members on campus (or in off-campus research facilities). Requires a minimum of 10 laboratory hours weekly. Prior to beginning the research

project, three copies of project outline must be submitted to the Department Chair for approval.

Prerequisites: At least four courses in Chemistry and/or permission of the Department Chair.

490

Chemistry Seminar

(4 credits at the completion of the second semester; Fall, Spring)

Two-semester Capstone course that involves the oral presentation of a library research project; the completion of a laboratory investigation whose results shall be delivered in both a written paper and poster format; participation in departmental seminars; and career guidance activities.

Prerequisites: CH 201, 202.

Physics Courses (PH)

201

Fundamental Concepts of Physics I

(4 credits; Fall)

Introduction to the principles of mechanics, heat and sound. Presents historical development, methodology and philosophy of our current understanding of the physical universe from an experimental point of view. Includes laboratory experience, demonstrations, lectures and discussions. Three class hours and three laboratory hours weekly.

202

Fundamental Concepts of Physics II

(4 credits; Spring)

Continuation of PH 201. Introduces the principles of light, electricity, magnetism, atomic and nuclear physics. Includes laboratory experience, demonstrations, lectures and discussions. Three class hours and three laboratory hours weekly.

Prerequisite: PH 201.

211

Conceptual Physics I

(4 credits; Fall)

Calculus-based introduction to the principles of mechanics, heat and thermodynamics through laboratory experience, demonstrations, lectures and discussions. Primarily for well-prepared science and engineering majors. Three class hours and three laboratory hours weekly.

Prerequisite: MA 201.

212

Conceptual Physics II

(4 credits; Spring)

Continuation of PH 211. Examines waves, sound, light, electricity, magnetism and elementary electrodynamics. Three class hours and three laboratory hours weekly.

Prerequisites: PH 211, MA 202.

CHEMISTRY AND PHYSICS at Arcadia University

223

Essentials of Physical Geology

(4 credits; Spring)

Basic concepts of physical geology with an emphasis on the dynamic nature of the earth and the land-forming processes and cycles, which are constantly altering our environment. The laboratory demonstrates these processes and illustrates the principles developed in lectures. Primarily intended for non-science majors including those preparing for the teaching profession. Three class hours and three laboratory hours weekly. Evening students may enroll in only the lecture portion of the course for three credits.

Prerequisites: Satisfactory performance on the mathematics placement inventory or satisfactory completion of MA 100 is required.

224

Frontiers in Astronomy

(4 credits; Fall)

Overview of the fundamentals, history and frontiers of astronomy. Introduces the planets, exobiology, structure and dynamics of stars, galaxies, the universe and cosmology. Includes lectures, demonstrations, observations and discussions. Three class hours and three laboratory hours weekly. Evening students may enroll in only the lecture portion of the course for three credits.

324

Atomic Physics

(4 credits; Fall)

Examination of the basic principles of atomic and nuclear physics. Includes laboratory experience, demonstrations, lectures and discussions. Offered in odd years.

Prerequisites: MA 202 and either PH 201, 202 or 211, 212.

325

Mathematical Physics I

Not regularly scheduled.

326

Mathematical Physics II

Not regularly scheduled.

331

Engineering Mechanics

(4 credits; Fall)

Examination of the principles of mechanics with engineering applications. Includes vector treatment of forces, statics, centroids, moments of inertia, friction, kinematics and kinetics of particles and rigid bodies. Offered in even years.

Prerequisite: PH 211.

341

Electronic Circuit Analysis I

Not regularly scheduled.

342

Electronic Circuit Analysis II

Not regularly scheduled.

345

Special Topics in 21st Century Physics

(4 credits; Spring)

An intensive study in the seminar/laboratory style of selected topics of current interest in physics. Topics include but are not limited to areas in relativistic quantum mechanics, quantum electrodynamics, quantum field theories, high energy physics, elementary particle physics, cosmology, astrophysics, solid state physics and mathematical physics. May be taken several times by any student but must be on different topics each time. Offered in even years.

Prerequisites: PH 211, 212, 324, MA 201, 202. Interview with and permission by the instructor and Department Chair. Other prerequisites according to the topic.

389

Physics Research

(4 credits)

Individualized study tailored to suit the needs or interests of qualified juniors and seniors. Each student works under the guidance of a faculty adviser approved by the Department Chair. Suggested topics include quantum mechanics; nuclear, atomic and chemical physics; electrodynamics; advanced optics; mathematical physics; astrophysics; participation in ongoing research projects with faculty.

Prerequisite: Permission of the Chair.

COMMUNICATIONS

at Arcadia University

Global Perspectives...Personal Attention...Real-World Integrative Learning Experiences

Faculty

Professors

Dr. Pradyumna S. Chauhan
Dr. Hugh H. Grady

Associate Professors

Dr. Shekhar A. Deshpande (Director)
Dr. Joann Weiner (Chair)
Dr. Lisa B. Holderman
Alan W. Powell

Degrees/Concentrations

Bachelor of Arts in Communications

Corporate Communications
Print Communications
Video Communications
Individualized Concentration in
Communications

Bachelor of Arts in Corporate Communications (Evening)

Post-Baccalaureate Certificate in Corporate Communications

Minors

Cinema Studies
Communications
International Cinema

Related Majors Abroad Programs (MAPS) at Arcadia

Bachelor of Arts in Digital Media/Global Media

Bachelor of Arts in Fashion Studies/Global Media

Bachelor of Arts in Media Industries/Global Media

Bachelor of Arts in Sound and Music/Global Media

Pathways to Study Abroad in Communications

Communications majors are encouraged to spend a semester or a year studying abroad. Exciting opportunities are available and are relatively easy to arrange through Arcadia's College of Global Studies. Communications is a global field and concern. Studying in a different environment and learning about the communications processes in a wider context are essential to a student in communications. Undoubtedly, this opportunity enhances the career training and understanding of Communications majors.

Communications majors who plan to study abroad must do so during the sophomore or junior years only. With prior approval, students may take courses to fulfill any University-wide requirement. Students must plan study abroad programs at least a year in advance to ensure finding appropriate courses that will transfer to their requirements. See more about internships abroad on the next page.

Visit the University's Web site for Pathways to Study Abroad (www.arcadia.edu/pathways) and suggested course sequences. Since it is important that students plan ahead for study abroad, they should consult with their advisers as soon as possible and make their intentions known to the Department Chair and the Director of International Services.

About the Bachelor of Arts in Communications

- Opportunities for specialization in corporate, print or video
- Professional internships—here or abroad
- Student-run newspaper, radio station, and TV channels
- Opportunities to study abroad at some of the top universities around the world

Communications offers diverse job opportunities in the expanding field of media and information technology. Arcadia's program balances theory with practice, providing a

COMMUNICATIONS at Arcadia University

critical understanding of the communications process along with skills for specific careers.

Students majoring in Communications specialize in one of the following areas:

- **Corporate Communications** concentrates on the communication channels and processes at work in businesses and organizations.
- **Print Communications** stresses the conventions of writing for the various media and provides skills in news and magazine writing, editing, technical writing and creative writing.
- **Video Communications** provides training in the fundamentals of all phases of video production, along with a conceptual frame in film studies and in visual communications.
- An **Individualized Concentration** develops a special combination of interdisciplinary courses to meet specific interests of individual students. (Approval by the Director of the program is required.)

Internships: Students in Communications complete a closely supervised, professional internship in their senior year. They can choose from among 400 media organizations in the greater Philadelphia area, utilizing their acquired knowledge within the challenges of the workplace. Recent internship sites have included: ABC Sports, the Academy of Natural Sciences, WYSP (radio), the Philadelphia Eagles, the Philadelphia Flyers, the Arthritis Foundation, and *Philadelphia Magazine*.

Students also may choose an internship in London, England, or Sydney, Australia, through Arcadia's College of Global Studies. These study abroad internships are strong and unique in preparing students for the challenges of the global workplace.

Facilities: Murphy Hall houses the Communications studio, which includes three separate editing rooms. Students work with the most current software, Final Cut Studio, and G-5 computers and high quality digital cameras. In addition, they may utilize the audio recording facility, with Pro Tools and other software programs in PC and Mac platforms. Their work in various forms of video, documentary, narrative, experimental or animation is supported by expert guidance from the professionals and open access to the facilities. A campus-based television facility provides opportunities to work on individual

and group projects. Student clubs produce a campus newspaper (The Tower), cable TV programming on AUTV, and a Web-based radio station, the ARC.

Double majors: Students may have an option to declare a double major. (Please see the Academic Policies and Procedures for total number of credits for double majors.) If Communications is one of the majors a student has chosen, no more than two courses may count in both major areas. The Director of the program must approve all double majors.

Corporate Communications in the Evening: This program provides both a broad knowledge of communication processes within organizational settings and the essential skills to perform effectively as a communicator in business, government, industry or non-profit institutions.

Requirements for the B.A. in Communications

(81–86 credits as listed below, with Undergraduate Curriculum and credit requirements for day programs and for evening programs, 128 and 120 credits, respectively)

The following requirements are for both the day and evening Communications programs. Some required courses are offered evenings only.

1. **Common Curriculum** for all concentrations
Nine courses in Communications:
(36 credits)

CM 101	Introduction to Media Studies
CM 110	Speech Communications
CM/EN 213	Writing and Communications
CM 250	Visual Cultures
CM 268	Visual Media and the Web
CM 325	Media Studies
CM 460	Senior Seminar I
CM 471	Internship in Communications (Evening students may be able to substitute CM 489 Independent Study.)
CM 490	Senior Seminar II

2. **Requirements for concentration** (32 credits) In addition to the common curriculum, students must select one of the following concentrations. All concentrations

COMMUNICATIONS at Arcadia University

must be approved by the Director of the program.

Corporate Communications

Note that major requirements are the same for students in the day and evening Corporate Communications programs. Successful completion of a total of 128 credits is required for graduation in day programs and 120 credits for graduation in the evening program. Please consult with an adviser.

CM 235	Organizational Communications
CM 317	Public Relations
BA 101	International Business
BA 201	Financial Accounting
BA 202	Managerial Accounting
EC 210	Principles of Macroeconomics
EC 211	Principles of Microeconomics
MA 145	Quantitative Models for Decision Making
PL 165	Occupational Ethics
One elective in Business Administration/Economics at the 300 level.	

Students interested in declaring a minor in Business Administration must take three Business courses beyond those required for the major in Corporate Communications. Students should consult with their advisers and obtain the permission of the Chair of the Department of Business/Health Administration and Economics by completing the declaration of minor form.

Print Communications (32 credits)

EN 199	Interpreting Literature
EN 217	Journalism I
EN 318	Journalism II
CM 319	Writing for Radio and Television
EN 345	Special Studies in Writing
Four additional English courses are required, including at least two in literature with one literature course at the 300 level.	

Video Communications

CM 150	Introduction to Film
CM 275	Video Production I
CM 350	Video Production II
CM 340	Special Studies in Communications
CM 362	Creative Video

FA 103	Visual Fundamentals
FA 208	Photography I
AH 111	Renaissance to Modern Art
TH 275	Acting and Directing for the Camera

3. Courses for extension of concentration

Any two courses (8 credits) from the following (at least one must be at the 300 level or courses approved by the adviser and Director of the program). These courses must be other than those chosen for the specific concentration.

CM 150	Introduction to Film
CM 215	Informative and Persuasive Speaking
EN 217	Journalism I
EN 218	Business Writing
CM 235	Organizational Communications
CM 275	Video Production I
EN 315	Technical Writing
CM 317	Public Relations
EN 318	Journalism II
CM 319	Writing for Radio and Television
CM 340	Special Studies in Communications
CM 350	Video Production II
CM 489	Independent Study
EN 345	Special Studies in Writing
AD 208	Photography I
AD 209	Photo Journalism
AD 250	Graphic Design I (Typography)
AD 381	Photography III
TH 275	Acting and Directing for the Camera
TH 350	Play and Screenwriting

4. **Minor in Humanities and Social Sciences** (20 credits). Recommended is a minor in Political Science, Sociology, Anthropology, Psychology, Theater Arts, Modern Languages, or International Studies, or a concentration in Contemporary Cultures to be designed in consultation with the adviser. A minor in the sciences may be permitted as well. Minors must be approved by both the Director of the program and adviser in the area of the minor.

Requirements for the Minor in Communications

Recommended for all students for increased understanding of communication processes

COMMUNICATIONS at Arcadia University

and the interdisciplinary nature of the sciences, social sciences and the humanities.

1. A minimum of five courses in Communications and related areas:
CM 101 Introduction to Media Studies
CM/EN 213 Writing and Communications
CM 250 Visual Cultures
2. One course in Communications at the 300 level.
3. One course chosen from the following:
CM 319 Writing for Radio and Television
EN 212 Writing Poetry and Fiction
EN 215 Writing for Careers
EN 216 Writing Workshop
EN 217 Journalism I
EN 218 Business Writing
EN 315 Technical Writing
TH 350 Play and Screenwriting

Requirements for the Post-Baccalaureate Certificate in Corporate Communications

(36–40 credits)

Faculty

Associate Professor Dr. Shekhar A. Deshpande (Director)
Assistant Professor Dr. Lisa B. Holderman (Advisor)

The Post-Baccalaureate Certificate in Corporate Communications is designed to prepare individuals seeking to enter the communications field or to enhance the skills and knowledge of those already in the field. Specifically, it prepares individuals for careers in the following areas or agencies:

Public relations firms (PR/Marketing)
Advertising agencies
Communications departments of corporations or agencies
Training and development or human resources departments

All students interested in this certificate must consult with the director of the Post-Baccalaureate Certificate in Corporate Communications. Candidates for the certificate

must complete at least eight of the courses at Arcadia University (at least four courses in English and Communications and at least four courses in Business Administration and Economics). All course requirements must be fulfilled, and a grade of “C” or better (cumulative GPA of 2.0) must be earned in all courses. The Director can approve substitute courses.

Students will need to know one word-processing package and one business application software package, such as Excel. A college-level Mathematics course also is required.

1. Four courses in Communications
CM 101 Introduction to Media Studies
CM 110 Speech Communications
or CM 215 Informative and Persuasive Speaking
EN 218 Business Writing
CM 317 Public Relations
2. Four courses in Business Administration
BA 101 International Business
BA 201 Financial Accounting
BA 340 Principles of Marketing
BA 362 Human Resources Administration
or BA 363 International Organizational Behavior
3. Two courses in Economics
EC 210 Principles of Macroeconomics
EC 211 Principles of Microeconomics
4. Two of the following electives (one of which must be at the 300 level)
BA 202 Managerial Accounting
BA 341 Advertising and Sales Promotion
BA 348 Marketing Research
EN 217 Journalism I
CM 275 Video Production I
EN 315 Technical Writing
CM 319 Writing for Radio and Television
CM 340 Special Studies in Communication
CM 350 Video Production II (recommended for those who want to develop knowledge and practice in video production)

COMMUNICATIONS at Arcadia University

CM 489	Independent Study in Communications
EN 345	Special Studies in Writing (recommended for those who want to develop knowledge and practice in written communication)

Communications Courses (CM)

101

Introduction to Media Studies

(4 credits, day; Fall)

(3 credits, evening; Spring, Summer)

This course is a comprehensive and critical introduction to processes, industries and institutions of mass media in this country and on a global scale. Beginning with brief historical backgrounds of media such as print, radio, film, television, Internet and the new media, the course spans through major issues in the study of media in contemporary culture. A focused course for career preparation as well as for thinking about critical issues in the media. Strong interaction and encounters with major media forms are required. Emphasis on writing, conceptualization and analysis and basic techniques of research and presentation. Collaborative group projects also are included. Emphasis on global dimensions of media through our global focus program.

110

Speech Communications

(4 credits, day; Fall)

(3 credits, evening; Fall, Spring)

A foundational course in fundamentals of speech, persuasion, articulation and techniques of delivering an effective speech presentation. Students will develop skills and understanding of what makes a good public speaker, along with practical exercises for various speech situations. The development of speaker's strategies, research, writing skills and oral skills in speaking and presentation are emphasized. Practical exercises focus on four modes of speech communication (interpersonal, interview, informative, and persuasive speaking). Students acquire greater ease and confidence in public speaking and presentation. The Includes theory as well as practice of successful speech communication.

120

Applied Communications

(2 credits)

Applications of video and/or audio technology in an interdisciplinary context. Recommended for non-Communication majors. Course may be

offered in one of the following areas: physical therapy, education, the sciences, health communications, business communication, visual anthropology, computer graphics and the arts. Has recently been offered as a cable television practicum.

Prerequisites: advanced freshman (second semester) status and permission of the instructor.

150

Introduction to Film

(4 credits; Fall)

This course provides a broad introduction to the art of watching, analyzing and writing about cinema. With a focus on developing analytical skills required for engagement with the medium, the course covers various styles of film, from the United States and around the world. Through a sustained exposure to the diversity and complexity of the art form, students develop their own critical approaches to film viewing and analysis. Readings in film studies and forms of writing in film are included. Emphasis on writing exercises, group symposia and classroom participation. Film screening sessions are required either in class or outside the classroom.

213

Writing and Communications

(4 credits, day; Spring)

(3 credits, evening; Fall)

Intermediate-level writing course emphasizing skills necessary for coursework and careers in communications, bridging the gap between freshmen composition and professional writing. Covers rhetoric, audience and voice; mastering the print code; organization and message; techniques of persuasion and argumentation; writing cultural reviews; and library research in communications. Features collaborative learning and peer-group editing.

215

Informative and Persuasive Speaking

(3 credits; Spring)

Intensive training in speech delivery and oral presentation techniques. Skills in rhetoric or presentation as well as persuasion in group, community and corporate settings. Offers workshops in various techniques of elocution. Exercises include writing presentations, using visual aids, techniques of persuasion and personal presentation.

Prerequisite: CM 110; or permission of the instructor.

235

Organizational Communications

(4 credits; Fall)

Survey of the communication practices and cultures in a variety of organizational settings. Study of constitution of processes of cultures in

COMMUNICATIONS at Arcadia University

group and institutional dynamics of organizations. Special emphasis on diversity in workplace democracy, corporate contexts, structural and linguistics practices. Case studies of organizational cultures, use of observation, interpretation and analysis in reading and working with organizations. A balanced consideration of various methodologies in the study of cultures to study organizations. Individual and group work is emphasized.
Prerequisite: CM 101.

250

Visual Cultures

(4 credits, day; Spring)

(3 credits, evening; Spring, odd years)

Introductory study of contemporary visual cultures. Examines our assumptions about visual imagery, modes of visual thinking and reflecting and analysis of images in social and cultural contexts. Emphasis on methodical reading of critical texts and exercises in analyzing images as well perspectives on visual cultures. Strong consideration of social history of mechanical inventions (camera, cinematograph, television, computer, virtual machines). Explorations of alternative forms of visual imagery and their cultural significance.

Prerequisites: CM 101 and sophomore standing.

268

Visual Media and the Web

(4 credits, evening; Fall)

This course is an exploration of methods of Web design using HTML, XHTML, JavaScript and multi-media software tools such as Photoshop, Image ready, Dreamweaver and FrontPage. The course is designed to give the student a solid foundation in HTML scripting, JavaScript code, FTP file transfers, image preparation for the Web. Students will develop skills to communicate and design effectively their messages in a local and global context. Students will create and maintain their own Web sites, as well as develop Web pages and sites for community organizations and school functions.

Prerequisites: CM 101 or permission of the instructor.

270

Practicum in Communications

(2-4 credits; Fall, Spring, Summer)

Experiential projects in communications. Students may make arrangements for work experience in the communications field. Minimum of six hours per week. Supervised by an adviser and workplace supervisor. Evaluation includes proficiency tests in practical areas and a report on the utilization of communications skills/technology. Does not replace internship

requirements. May be taken twice with the permission of the adviser.

Prerequisite: CM 101; or permission of the instructor.

275

Video Production I

(4 credits, day; Fall)

(3 credits, evening; Fall)

An introductory course for students to learn about all phases of video production. Students acquire skills in conceptualizing ideas, planning for production, preparing storyboards and shooting scripts, camera operation, lighting and editing. Emphasis is on independent thinking, rigorous planning, purposeful and reflective ideas and collaborative group work. Prepares students who have little or no background in video production for further training and practice in the art form, with greater complexity in using technologies as well as themes and styles. Requires practice in studio and field recording as well as editing and group work.

317

Public Relations

(4 credits; Spring)

Study of principles and practices of public relations and the rhetorical concerns of oral and written communication. Surveys strategies, "packaging," layout and evaluation for various audiences. Emphasizes writing in every stage. Provides introductory preparation for public relations careers as well as general background in communications. Includes guest lectures, frequent short writing assignments and an individual project.

Prerequisite: Junior standing.

319

Writing for Radio and Television

(4 credits; Fall, odd years)

Analysis and production of writing for television and radio. General and specific principles of writing for different formats, with consideration of audiences, scope of the medium and creative freedom in the production process. Examines script writing as integral to the different production processes in the media. Emphasis on a variety of forms and expression. Focuses on documentary, entertainment and advertising scripts.

Prerequisite: Junior standing or above.

325

Media Studies

(4 credits, day; Fall)

(3 credits, evening; Fall)

A specialized course in reading and analyzing critical perspectives on mass media. Introduces students to canonical works in critical theory, cultural studies and other contemporary models

COMMUNICATIONS at Arcadia University

of analysis. Course includes perspectives of simulation and simulacra, public sphere, gender roles and politics of identity, cultural perspectives on everyday life, creative industries and multiple aspects of globalization. Includes research, position papers, analytical papers and presentations.

Prerequisite: CM 101; or permission of the instructor.

340

Special Studies in Communications

(4 credits)

Advanced course on special topics such as media criticism, issues in cultural studies, theories of communications and interdisciplinary perspectives in communications. In-depth study of specific issues. Topics vary according to the interests of students and faculty. Recent topics include: "The Body in Film, TV and Culture," "Culture and Communication," "Post-modernism: the Visual Arts," "Internet Culture," and "Women's Cinema."

350

Video Production II

(4 credits; Fall)

This course covers all phases of video production (preplanning, scriptwriting, preparing storyboards, shooting, editing, sound mixing and master-tape preparation). Each student will produce a (two-track sound) documentary/video essay on a social topic. Students work on a collaborative basis, creating responsible crews among themselves. The course emphasizes the ethics, principles and practice of independent video production. All-round training in production techniques, organizational ability to work in groups, and qualities of independent thinking embedded in awareness of the social and historical potential of the medium. Lab time required.

Prerequisites: CM 275, junior standing and permission of the instructor.

356

World of Work in Popular Film

(4 credits)

In this course, students develop critical insights into the complexities of the film industry by examining popular Hollywood films from the 1930s through the new millennium that are set in the business world. Students analyze films such as *Citizen Kane*, *9 to 5*, *Wall Street*, and *Disclosure* by considering the social, cultural, political, and economic conditions in which they were produced. The course examines the social significance of these films, including such factors as the presentation of myths such as the American Dream, narratives of capitalism and social mobility, and images of race, class, and gender.

Prerequisites: CM 150, junior standing, or the permission of the instructor.

357

MediaMovies

(4 credits)

The course examines how certain films have become MediaMovies, a unique but powerful formation that is critical of the media culture, its values and fundamental assumptions. This self-critique of media in the films, a healthy preoccupation of quite a few films, embodies philosophical crises of our times, reflecting thoughtfully on the nature of our lives, the structure of our values and the spirit of our culture. Films include *\$1mOne*, *Talk Radio* (1988), *Network* (1976), *Mad City* (1997), *Wag the Dog* (1997) and *The Truman Show* (1998).

Prerequisites: CM 150, junior standing, or permission of the instructor

362

Creative Video

(4 credits)

Advanced course in various phases of video production that utilizes students' understanding of the relationships between concepts/theories of culture and identity to independent production. Students develop their own projects in narrative, dramatic, experimental, and documentary or other formats of video production. Course develops particular emphasis on understanding of space, time, and construction of narrative elements and centrality of form to this visual medium. Students work in individual and group projects. A challenging course for students to explore relationships between personal and the political and formal and conceptual worlds in race, gender and sexuality.

Prerequisites: CM 350, Video Production II and permission of the instructor.

460

Senior Seminar I

(4 credits, Fall)

An overview of the methods and principles of systematic inquiry in the field of communications. Develops a discrete model of the disciplines as a humanistic field by examining communications as a human science (consisting of hermeneutics, phenomenology, structuralism, ethnography, rhetoric and dramaturgy). Shows how communications employs such social science research methods as content analysis, survey research, field research and experimental research to establish critical contextualization. Besides introductory readings, includes critiques of published studies. The course prepares the way for the required Capstone course, CM 390.

Prerequisite: CM 325.

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471

Internship in Communications

(4 credits, Fall)

Internship in a supervised professional setting for a minimum of eight hours per week. Includes seminar meetings with other interns to discuss the work experience as it relates to theories of communication. Requires a written project based on the internship. Students in the evening program must consult with the adviser regarding course load during internship and other internship requirements.

Prerequisites: CM 360, senior standing in Communications, a 3.0 cumulative GPA and approval of the faculty in the Communications program. Students also must carry at least eight additional credits at Arcadia University while enrolled in the internship unless regularly attending on a part-time basis.

489

Independent Study in Communications

(Fall, Spring)

In-depth research on an individually defined scholarly project. Should address specific interests of students in analytical, critical, academic study of a topic. A final paper of high quality required. May be taken for substantive production exercise in video with emphasis in analytical presentation. Designed to enlarge a student's learning experience. Only one Independent Study allowed during study at Arcadia. Some of the topics covered in the past: "Organizations as Cultural Systems," "Semiotics of Photography" and a documentary on the Immigrant Experience of the Vietnamese.

Prerequisites: CM 325, 3.0 cumulative GPA and permission of the instructor and faculty in the Communications program.

490

Senior Seminar II

(4 credits, Spring)

An advanced course in communications studies, designed to serve as the culminating academic challenge to Communications majors. Includes readings in communications studies; requires integration of the internship experience and of the cumulative course work in undergraduate studies; demands presentation of the portfolio and a final research project in the student's area of interest. Readings emphasize a survey of contemporary analytical, critical and theoretical issues in the area of communications studies in particular, and the liberal arts and the humanities in general. The final project is to be presented to the University community during the Senior Thesis Week.

COMPUTER SCIENCE

at Arcadia University

Global Perspectives...Personal Attention...Real-World Integrative Learning Experiences

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Dr. Carlos E. Ortiz (Chair)

Assistant Professors

Dr. Richard J. Arras
Dr. Yanxia Jia
Dr. Xizhong Zheng

Adjunct Professors

Michael Engel
Richard Garvin
Barbara Kulp
Lewis Motter
Kenneth Rovine
Brian Skilling
Daphne Ewing

Director of Developmental Mathematics

Renee Starr

Degrees and Certificate

Bachelor of Arts in Computer Science

Bachelor of Science in Computer Science

Post-Baccalaureate Certificate in Computer Science

Minor

Computer Science

Related Fields of Study

Management Information Systems
Computing Technology

Pathways to Study Abroad in Computer Science

Majors in the Computer Science and Mathematics Department are strongly encouraged to take full advantage of the study abroad opportunities that Arcadia University offers. In recent years, students have studied at universities in England, Ireland, Scotland, Australia, and Italy. All benefited greatly from their experiences.

Students who plan to study abroad should meet with their advisers as soon as possible to discuss their options. This is especially true given that several of the Department's upper-level courses are taught on an alternating-year basis. Therefore, the best semesters to study abroad might differ from year to year. Several courses are part of sequences, and students are advised to take those entire sequences at Arcadia.

Many majors elect not to take any math or computing courses during their semester abroad, instead choosing courses that fulfill other Undergraduate Curriculum requirements. These latter courses are more apt to help students to gain a rich knowledge and appreciation of the culture of the country in which they are studying.

Visit the University's Web site for Pathways to Study Abroad (www.arcadia.edu/pathways) and suggested course sequences. Since it is important that students plan ahead for study abroad, they should consult with their advisers as soon as possible and make their intentions known to the Department Chair and the Director of International Services.

About the B.A. and B.S. in Computer Science

- Internships that provide real-world experience
- Senior Capstone project for a real client
- Preparation for careers in business, industry or government
- Preparation for graduate school
- Opportunities to study abroad at some of the top universities around the world

Arcadia University's programs in Computer Science provide a broadly based liberal arts background combined with specific computer science skills to equip students with the fundamental education needed to follow new trends in the computing profession.

Throughout the courses, habits of systematic and accurate thinking are cultivated, and the flexibility needed to enter the constantly changing field of computing is emphasized.

COMPUTER SCIENCE at Arcadia University

Internships: The Department encourages students to participate in internships in order to integrate their classroom work with real-world experience.

Senior Capstone Project: A highlight of the curriculum is the Capstone course sequence. In it, students design and implement a real project for an actual client.

The primary programming language used is currently Java. The Department also offers Visual Basic, Python and C++ as electives.

Bachelor of Arts in Computer Science

The Bachelor of Arts (B.A.) degree program provides students with the specific skills necessary to qualify for entry-level computing positions in business, private industry, or government.

Bachelor of Science in Computer Science

The Bachelor of Science (B.S.) degree program provides a more in-depth study of computer science through additional courses in Mathematics and Computer Science beyond the Bachelor of Arts requirements.

Post-Baccalaureate Certificate in Computer Science

The Post-Baccalaureate Certificate is designed for students who already have a bachelor's degree in another field and now want to acquire a background in computer science. Students can use this program to enter the computer employment market, to learn computing skills for use in their present field, or to satisfy prerequisites for graduate study in computer science. The following two levels of certification are offered:

Minor Certificate: Includes 6 courses in Computer Science.

Major Certificate: Includes 13 courses in Computer Science (the same 13 Computer Science courses required for the Bachelor of Science degree).

Arcadia offers a Master of Arts in Education with a concentration in the teaching of Computer Science, part of which includes the Post-Baccalaureate Certificate. Students who might be interested in this Master of Arts

program should be alerted that the Post-Baccalaureate courses carry only undergraduate credit, which is not transferable into the graduate program. Contact the College of Graduate Studies for more information.

Minor in Computer Science

The minor in Computer Science is designed to give students the computing background needed to use computer science as a tool in their primary field of specialization.

Requirements for the B.A. and B.S. in Computer Science

The requirements set forth below are for both the day and evening programs in Computer Science. Note that some required courses are offered evenings only. Department policy does not allow 100-level courses to be challenged for credit. At least half of required courses must be completed at Arcadia.

Common Curriculum for Both Degree Programs

(30–33 credits as listed below, with Undergraduate Curriculum requirements)

1. Nine courses in Computer Science

CS	201	Problem-Solving with Algorithms and Programming I
CS	202	Problem-Solving with Algorithms and Programming II
CS	203	Data Structures
CS	341	Computer Ethics
CS	354	Database Management Systems Design
CS	358	Operating Systems
CS	362	Computer Organization and Architecture
CS	490, 491	Capstone I, II
2. One course in Mathematics

MA	230	Discrete Structures
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3. Recommended

EN	315	Technical Writing
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COMPUTER SCIENCE at Arcadia University

Additional Requirements for the Bachelor of Arts (B.A.)

(9 additional credits)

1. Two Computer Science electives, one of which must be at the 300 level and the other at the 200 or 300 level.

Additional Requirements for the Bachelor of Science (B.S.)

(18–20 additional credits)

1. One of the following two courses
CS/MA 315 Theory of Computation
CS 317 Design and Analysis of Algorithms
2. Three Computer Science electives, one of which must be at the 300 level and the other two at the 200 or 300 level.
3. Two courses in Mathematics
MA 201/207 Calculus I/Applied Calculus I
MA 202/208 Calculus II/Applied Calculus II

Requirements for the Minor in Computer Science

(18–21 credits. Students who want to complete a minor in Computer Science should consult the Department Chair.)

1. Three courses in Computer Science
CS 201 Problem-Solving with Algorithms and Programming I
CS 202 Problem-Solving with Algorithms and Programming II
CS 203 Data Structures
2. Three Computer Science electives, including at least one at the 300 level

Requirements for the Post-Baccalaureate Certificate in Computer Science

(18–43 credits as listed below)

Adviser

Associate Professor Dr. Carlos E. Ortiz

The Post-Baccalaureate Certificate is designed for students who already have a degree in another field and want to acquire a background in computer science. Students can use this program to enter the computer employment market, to learn computing skills for use in their present field, or to satisfy prerequisites for graduate study in computer science. Candidates for the Post-Baccalaureate Certificate must complete at least four of the courses needed for the minor certificate and at least seven of the courses needed for the major certificate at Arcadia University.

Minor Certificate

(18–21 credits. Substitutions can be made with the permission of the Department Chair.)

1. Three courses in Computer Science
CS 201 Problem-Solving with Algorithms and Programming I
CS 202 Problem-Solving with Algorithms and Programming II
CS 203 Data Structures and Algorithm Analysis
2. Three Computer Science electives at the 200 or 300 level, at least one of which must be at the 300 level.

Major Certificate

(39–42 credits. Substitutions can be made with the permission of the Department Chair.)

1. Six courses in Computer Science required for the minor certificate as listed above.
2. Six additional courses in Computer Science
CS 341 Computer Ethics
CS 354 Database Management Systems Design
CS 358 Operating Systems
CS 362 Computer Organization and Architecture

COMPUTER SCIENCE at Arcadia University

CS 490, 491 Capstone I, II

3. One course in Mathematics
MA 230 Discrete Structures

University Seminar Course (US)

230
International Computer Ethics
(4 credits)

This University Seminar examines the ethical consequences of the expansion of computer usage in our society and internationally. The course aims to give students a solid grounding in ethics in general and the ethical dilemmas which are unique to computer applications.

Note: US 230 can count toward the Computer Science or Computing Technology majors and minors or the Philosophy major and minor.

Computer Science Courses (CS)

104
The Computer as a Tool
(4 credits, day; Fall, Spring)
(3 credits, evening; Fall, Spring, Summer)

Introduction to the computer as an information processing tool. Surveys general purpose programs: word processing, spreadsheets, database management and presentation graphics. Presents fundamental computer concepts: hardware, software and introduction to programming. Analyzes specialized uses of the computer in the arts, education, humanities and sciences. Considers the role of the computer in society.

Prerequisite: Completion of MA 095; or placement into MA 100 or higher.

105
Computers and Technology in Education
(4 credits; Fall, Spring)

This course provides an opportunity for those students who will be using computers and technology in instruction to develop computer and multimedia technology skills, enabling them to develop, interpret and evaluate computer applications in an instructional environment.

Prerequisites: Education majors.

107
Web Site Development
(4 credits, day; Fall, Spring)
(3 credits, evening; Fall, Spring)

This course examines the principles of Web page development from a technical standpoint. It is not

a course in design, although it does touch on that area. After considering the relationship between design and function, students begin to write and demonstrate Web pages. Web pages will be implemented using both raw HTML and a code generator such as Dreamweaver. If time permits, Java Script will be introduced.

Prerequisite: CS 104 or the equivalent.

201
**Problem-Solving with
Algorithms/Programming I**
(4 credits, day; Fall)
(3 credits, evening; Fall, Spring)

Introduction to the understanding of computer systems, the use of structured programming concepts, algorithm development, debugging and data analysis. Taught with a high-level programming language. Currently the language is Java.

202
**Problem-Solving with Algorithm
and Programming II**
(4 credits, day; Spring)
(3 credits, evening; Fall, Spring)

A continuation of CS201. Topics considered include recursion, dynamic memory allocation (linked lists) and an introduction to professional programming techniques.

Prerequisite: CS201.

203
Data Structures and Algorithm Analysis
(3 credits, evening; Fall, Spring)

Advanced course in the application of analysis and design techniques to algorithms that act on data structures.

Prerequisite: CS 202

Co-requisite: MA 230; or permission from the Department.

227
Computer Networking Fundamentals
(3 credits; Fall)

An introductory study of current computing networking technologies, systems, equipment, and management/configuration software. Includes hands-on lab sessions and course projects.

228
Modern Programming Languages
Introduction to contemporary computer languages such as 228A: Python; 228C PROLOG; 228D LISP; 228E Visual Basic; 228G SAS; 228H C++; 228K SASII. Content and credit hours vary depending on the interests of students and instructor. May be repeated for credit with permission of the adviser.
Prerequisites: CS 202.

COMPUTER SCIENCE at Arcadia University

228A

Modern Programming Languages: Python
(3 credits)

228C

Modern Programming Languages: PROLOG
(3 credits)

228D

Modern Programming Languages: LISP
(3 credits)

228E

Modern Programming Languages: Visual Basic
(3 credits)

228G

Modern Programming Languages: SAS
(3 credits)

228H

Modern Programming Languages: C++
(3 credits)

228K

Modern Programming Languages: SAS II
(3 credits)

US 230

International Computer Ethics—See listing above under University Seminar Course.

306

Building Web Applications
(3 credits; Spring, odd years)

An intensive study of client/server technology and the methods, languages and tools for developing multi-tier distributed applications on the Internet. Includes Web-based programming projects.

Prerequisite: CS 107 and CS 202 or permission of the instructor.

308

Introduction to Computer Gaming
(3 credits; Spring, even years)

Introduction to computer game development designed for students with a background in programming. The focus of the course is on game play, design process, and programming for a two-dimensional environment.

Prerequisite: CS 202 or permission of the instructor.

315

Theory of Computation

Introduction to the theoretical basis of computing. Topics include a review of graph theory; network models; grammar, languages and automata; Turing machines; computability. Offered on request.

Prerequisites: CS 201 and either MA 230, MA 322, or MA 302.

317

Design and Analysis of Algorithms
(3 credits; Spring)

The study of the design and analysis of algorithms, with emphasis on efficiency.

Prerequisites: CS 203 and either MA 230 or MA 330.

341

Computer Ethics
(3 credits, Spring)

This course examines the ethical consequences of the expansion of computer usage in our society and aims to give Computer Science majors a solid grounding in ethics in general and the ethical dilemmas that are unique to computer applications. As computer applications expand into nearly every aspect of our daily lives, it has become vital that computer professionals are well-acquainted with the ethical problems unique to computers.

354

Database Management System Design
(3 credits; Fall)

Detailed study of design and implementation of a database management system including file security and some form of query into the system.

Prerequisite: CS 202.

358

Operating Systems
(3 credits; Spring)

Study of the major concept areas of computer operating systems principles; the architecture of computer systems at the register; transfer and programming levels of system description; and the inter-relationships between the operating system and the architecture of computer systems.

Prerequisites: CS 202, 203.

362

Computer Organization and Architecture
(3 credits; Fall)

Advanced course in computer system organization. Includes logic design, data representation and transfer, digital arithmetic, digital storage and accessing, control and input/output reliability.

Prerequisites: CS 202, 203.

370

Computer Graphics

Introduction to the theory and methodology of computer graphics. Develops underlying principles for the representation of objects and surfaces with computers, including translation, rotation, scaling motion, parallel and perspective projection, and hidden lines and surfaces. Class

COMPUTER SCIENCE at Arcadia University

usage of the computer is an integral part of the course. Not regularly offered.

Prerequisite: CS 201.

372

Data Communications I

(3 credits; Fall, odd years)

Study of the aspects of developing and designing data communication networks. Includes identifying and defining the design of the proposed system, analyzing the type of message, determining the total traffic, developing alternative configurations, calculating the network cost, implementation and follow-up evaluation.

Prerequisite: CS 202, MA 230, CS 227 or permission of the instructor.

373

Data Communications II

This is the second course in data communications. It concentrates on both theoretical and practical aspects of the TCP/IP and ATM network protocols. Students design, build and troubleshoot networks.

Prerequisite: CS 372.

376

Organization of Programming Languages

(3 credits)

Study of programming languages specification and analysis, comparing their features and limitations. Not regularly offered.

Prerequisites: CS 202, 203.

378

Artificial Intelligence

(3 credits)

Introduction to basic concepts and techniques of intelligent systems. Includes insights into active research areas and applications, strategies for choosing representations, notational systems and structures, natural languages, vision systems, search strategies and control. Not regularly offered.

Prerequisites: CS 202.

387

Special Topics in Computer Science

(1-4 credits)

Seminar in advanced topics of computer science. Content and credit hours vary depending on interests of instructor and students. May be repeated for credit.

Prerequisites: CS 202, 203.

389

Independent Study

Directed research or project in advanced area of computer science. Credit may vary.

Prerequisites: Junior standing and permission of the Chair and the instructor concerned.

490

Capstone Course I

(3 credits; Fall)

Study of system analysis and design leading to a significant computer project to be implemented in CS 491.

Prerequisite: CS 354; or permission of the Chair.

491

Capstone Course II

(3 credits; Spring)

Continuation of CS 490. Focuses on application of state-of-the-art techniques in software design and development. Includes implementation of senior project designed in CS 490.

Prerequisite: CS 490.

COMPUTER TECHNOLOGY

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Brian Skilling
Daphne Ewing

Director of Developmental Mathematics

Renee Starr

Degree

Bachelor of Arts in Computing Technology

Design Option
Technical Option

Related Fields of Study

Computer Science
Management Information System

Pathways to Study Abroad in Computer Technology

Majors in the Computer Science and Mathematics Department are strongly encouraged to take full advantage of the study abroad opportunities that Arcadia University offers. In recent years, students have studied at universities in England, Ireland, Scotland, Australia, and Italy. All benefited greatly from their experiences.

Students who plan to study abroad should meet with their advisers as soon as possible to discuss their options. This is especially true given that several of the Department's upper-level courses are taught on an alternating-year

basis. Therefore, the best semesters to study abroad might differ from year to year. Several courses are part of sequences, and students are advised to take those entire sequences at Arcadia.

Many majors elect not to take any math or computing courses during their semester abroad, instead choosing humanities and social science courses that fulfill other Undergraduate Curriculum requirements. These latter courses are more apt to help students gain a rich knowledge and appreciation of the culture of the country in which they are studying.

Visit the University's Web site for Pathways to Study Abroad (www.arcadia.edu/pathways) and suggested course sequences. Since it is important that students plan ahead for study abroad, they should consult with their advisers as soon as possible and make their intentions known to the Department Chair and the Director of International Services.

About the B.A. in Computing Technology

- Preparation for careers in information technology
- Preparation for careers in Web site design
- Technical option and Design option
- Senior Capstone project for a real client
- Opportunities to study abroad at some of the top universities around the world

The Bachelor of Arts in Computing Technology is designed for the student who is more interested in networking and in infrastructure support (the Technical option) or Web design and implementation (the Design option) than in programming.

Housed in the Computer Science and Mathematics Department, this program combines a strong foundation in computing with either information technology management or fine arts skills.

This program shares many courses, including Capstone, with other Computer Science degree programs, but offers a wider scope.

COMPUTER TECHNOLOGY at Arcadia University

Students may not major in both options in Computing Technology nor in both Computer Science and Computer Technology.

Requirements for the Bachelor of Arts in Computing Technology

The requirements set forth below are for both the day and evening programs in Computer Technology. Note that some required courses may be offered evenings only or day only in certain semesters. Students should pay particular attention to the prerequisites for courses found in the course descriptions. Courses are often considered a series and must be taken in a specific order.

Common Curriculum for Both Option Programs

(27–30 credits as listed below, plus Undergraduate Curriculum and credit requirements.)

1. Seven courses in Computer Science
 - CS 107 Web Site Development I
 - CS 201 Programming and Algorithms I
 - CS 202 Programming and Algorithms II
 - CS 341 Computer Ethics
 - CS 354 Database Management Systems Design
 - CS 490 Capstone I
 - CS 491 Capstone II
2. One course in English
 - EN 315 Technical Writing
3. One course in Mathematics
 - MA 230 Discrete Mathematics

Additional Requirements for the Design Option

(15-19 additional credits)

1. Two courses in Fine Arts
 - AD 103 Visual Fundamentals
 - AD 270 Digital Imaging
2. Two of the following:
 - AD 206 Introduction to Graphic Design
 - AD 250 Graphic Design I

- AD 251 Graphic Design II (Web Design)
- AD 271 Digital Video
- CM 268 Visual Media and the Web

3. One course in Computer Science
 - CS 306 Building Web Applications

Requirements for the Technical Option

(19–20 additional credits)

1. Three courses in Computer Science
 - CS 203 Data Structures
 - CS 227 Computer Networking Fundamentals
 - CS 372 Data Communications I
2. Two of the following four courses in Business:
 - BA 201 Financial Accounting
 - BA 202 Managerial Accounting
 - BA 363 International Organizational Behavior
 - BA 369 Management Information Systems

CRIMINAL JUSTICE

at Arcadia University

Global Perspectives...Personal Attention...Real-World Integrative Learning Experiences

Faculty

Professor Emeritus

Dr. Norman Johnston

Associate Professor

Dr. Jonathan Church

Dr. John Noakes (Director)

Assistant Professors

Dr. Luca Follis

Dr. Ana Maria Garcia (Chair)

Dr. Doreen Loury

Dr. Dina Pinsky

Instructor

Alex Otieno

Adjunct Professors

Joe Michaels

Dr. Denise Leifker

University-sponsored study abroad programs are available in England, Scotland, Wales, Northern Ireland, Australia, France, Ireland, Greece, New Zealand, Spain and China.

Visit the University's Web site for Pathways to Study Abroad (www.arcadia.edu/pathways) and suggested course sequences. Since it is important that students plan ahead for study abroad, they should consult with their advisers as soon as possible and make their intentions known to the Department Chair and the Director of International Services.

About the B.A. in Criminal Justice

- Preparation for careers in the criminal justice system
- Preparation for careers in social policy
- Preparation for graduate school
- Internships
- Ability to design an individualized concentration
- Opportunities to study abroad at some of the top universities in the world

Degree/Concentrations

Bachelor of Arts in Criminal Justice

Minors

Anthropology

Criminal Justice

Sociology

Women's Studies

Options

Bachelor of Arts in Liberal Studies

Secondary Education Certification (in Social Studies)

Minors in other areas, such as Business Administration

The Criminal Justice program provides students with the conceptual and research knowledge necessary to think critically about issues in criminal justice, such as corrections, juvenile justice, social policy, criminal behavior and the criminal justice system. The program creates and instills a set of values respecting human individuality and dignity that will guide the manner in which criminal justice tasks and responsibilities are performed.

Both of these goals build a base of knowledge and construct a process of evaluation and critical inquiry that prepares students for criminal justice professional training or graduate-level education.

The major program of study is committed to a solid sociological examination of the nature of crime and justice issues while introducing students to basic criminal justice terms, procedures, concepts, and issues. Specifically, students develop an understanding of the relationship between the criminal justice system and other social institutions, examine the roles created by such a system in

Pathways to Study Abroad in Criminal Justice

A semester abroad can easily be incorporated into the Criminal Justice program and is strongly encouraged. Students are encouraged to explore study abroad options during the sophomore year or fall of the junior year.

A study abroad experience is invaluable for both the foundational focus on liberal arts as well as the major studies in Criminal Justice. Thinking comparatively and globally about criminal justice issues is essential for students who plan on working in the field.

CRIMINAL JUSTICE at Arcadia University

American society, and think comparatively about international issues in criminal justice.

Students are encouraged to engage in one of several opportunities to learn outside the classroom, including studying abroad, internships, and participating in an "Inside/Out" course (which takes place in a Philadelphia County prison).

Required courses in Sociology provide students with the ability to think analytically and scientifically about issues within a social science framework. Included in this understanding is an awareness of the social and political implications of crime, mechanisms of control, and social and public policy.

Bachelor of Arts in Criminal Justice

The Bachelor of Arts in Criminal Justice fosters an awareness of the various schools of thought and social theories on the origins, nature and extent of criminal behavior, criminal justice and the justice system. Courses stress the relationship between issues of criminal behavior and criminal justice and sociological factors such as class, gender, race and other demographic characteristics.

Requirements for the B.A. in Criminal Justice

(47-52 credits as listed below, with Undergraduate Curriculum requirements and electives as listed below)

Common Curriculum

(27-28 credits as listed below)

1. Seven courses in Sociology/Criminal Justice
 - SO 101 Introductory Sociology
 - CJ 160 Crime and Punishment
 - SO 265 Social Inequalities
 - CJ 375 Theories of Deviance and Criminality
 - SO 330 Research Methods I
 - SO 490 Senior Seminar I
 - SO 491 Senior Seminar II
2. One required course in Mathematics
 - MA 141 Elementary Statistics
3. Additional Requirements (20-24 credits)
In addition to the core courses, students will select six of the following courses:

AN	272	Cultures, Conflict and Power
CJ	220	Topics Courses
CJ	225	Criminal Investigation
CJ	226	Crime Scene Investigation and Reconstruction
CJ	240	Rehabilitative Practices and Policies
CJ	250	Policing and Society
CJ	260	Prisons and Corrections
CJ	273	Criminal Minds, Criminal Roles
CJ	275	Comparative Criminal Justice Systems
CJ	290	Surveillance
CJ	325	Inside/Out
HS	345	The City in American History
PS	110	Law and the Legal Process
PS	220	American Constitutional Law
PS	243	Introduction to Peace and Conflict Resolution
PS/PL	245	Political Thought
PY	153	Social Psychology
PY	270	Forensic Psychology
SO	363	Internship

With approval of the Coordinator of Criminal Justice major, students may be able to count other courses taken at Arcadia or elsewhere as electives toward completion of the major.

Requirements for the Minor in Criminal Justice

(21-24 credits as listed below)

1. Four courses in Criminal Justice
 - SO 101 Introduction to Sociology
 - CJ 160 Crime and Punishment
 - SO 265 Social Inequalities
 - CJ 375 Theories of Deviance and Criminality
2. Two electives in Criminal Justice chosen in consultation with the Department and based on the individual's interests and needs.

University Seminar Course (US)

208

Great Trials in History

(4 credits)

This University Seminar explores a dozen famous trials chosen to represent conflicts in different areas of intellectual and cultural/social history, including philosophy, religion, science, art, and literature. Subjects include Socrates, Galileo, the Salem Witch Trials, John Brown, Oscar Wilde, the Scopes Monkey Trial, Nuremberg, and Robert Mapplethorpe. Texts include books, films, articles, and Web sites.

Note: US 208 can count toward the Criminal Justice, History and Philosophy majors and minors.

Criminal Justice Courses (CJ)

160

Crime and Punishment

(4 credits; Fall and Spring)

This introduction to various aspects of the criminal justice system includes law enforcement, the judicial process, and corrections and punishment. It also surveys sociological understanding of deviant and criminal behavior and of the historical changes in why and how we punish those who violate the law.

208

Great Trials in History—See listing above under University Seminar Course.

225

Criminal Investigation

(4 credits; Spring)

This course covers the legal, scientific, behavioral, and investigative aspects of criminal investigations. Topics include investigative theory and processes, collection and preservation of evidence, sources of information, interview and interrogation, uses of physical evidence and forensic science, specific types of criminal investigations including death, homicide, sexual assault, robbery, burglary, arson, explosives, computer and white collar investigations, and case and trial preparation.

226

Crime Scene Investigation and Reconstruction

(4 credits)

This is an undergraduate-level course designed to provide the student with a foundation in crime

scene investigation. The course is a complete and comprehensive look at processing a crime scene from the initial call to reconstruction of the crime scene for court presentation.

240

Rehabilitative Practices and Policies

(4 credits; Fall)

This course examines the formal interventions intended to change the behavior of those convicted of crimes. In the past 30 years, the American criminal justice system has de-emphasized rehabilitation in favor of more expressive punishments aimed at retribution rather than rehabilitation. This course examines what rehabilitative practices work and the philosophy underlying rehabilitation as a goal of punishment.

250

Policing and Society

(4 credits; Spring)

Police officers are the public face of the criminal justice system. This course examines the organization and administration of the police in the context of social and political changes. Attention also is paid to the social and social psychological dimensions of policing, the culture of police officers, the impact of policing in communities, and policies governing the work of police officers and officials. Offered in odd years.
Prerequisite: CJ 160.

260

Prisons and Corrections

(4 credits; Spring)

The United States imprisons more people per capita than nearly all developed nations, and incarceration rates increased dramatically in the final quarter of the 20th century. This course examines the history of the prison as a means of punishment, the purpose and functions of prisons in modern society, and the successes and failures of the corrections system in the United States. In addition, the course considers shifts in the demographic profile of prisoners and the effects of increased incarceration on the home community of the incarcerated and the broader U.S. society.

273

Criminal Minds, Criminal Roles

(4 credits)

This course investigates the use of structural, cultural and social psychological theory in explaining criminal behavior. One focus of the course is examining criminal behavior from a life-course perspective to examine why much violent crime is committed during adolescence, why some people become career criminals while others “age out” of crime, and the manner by

CRIMINAL JUSTICE at Arcadia University

which race, class and gender affect criminality, given this manner by which suburban American culture impacts youth delinquency.

275

Comparative Criminal Justice Systems

(4 credits; Fall)

This course is structured around comparisons of how crime and punishment are dealt with in other cultures and nations. The goal is to provide insight into other cultures, help illuminate underlying aspects of geopolitical conflict, and place the U.S. criminal justice system in sharper relief. Comparisons are drawn on what constitutes a crime, the judicial processes for determining guilt, and theories and practices of punishment. Offered in odd years.

290

Surveillance

(4 credits; Spring)

The increased intensity and extensiveness of surveillance is one of the defining characteristics of contemporary society. This course examines the role of surveillance in society, with special emphasis placed on surveillance as a means of criminal detection and social control. It considers a range of surveillance techniques, from hierarchical observation to CCTV monitoring of public space to the collection and sorting of personal data. Students are asked to consider these techniques in terms of sociological theories of power and social control. Offered in even years.

325

Inside/Out

(4 credits; Spring)

This unique, experiential course is affiliated with the national Inside/Out program. The class meetings take place at a Philadelphia County prison. Half the students in the class of 24 will be Arcadia students (outside), the other half will be inmates (inside). Inside and outside students meet once a week to discuss readings related to criminal justice and to work on joint research projects. Students must be willing to abide by the rules and procedures of the prison and the Inside/Out program. Enrollment in the course is by permission of the Department only.

375

Theories of Deviance and Criminality

(4 credits; Fall)

Why people engage in deviant behavior, including criminal activity, has long been the subject of sociological inquiry. In this course, a variety of theoretical perspectives are considered, including functionalist, radical, social psychological and structural theories. Among the questions to be asked are: Why do people

commit deviant and criminal acts? What acts are defined as deviant and criminal, and why? Who has the power to define acts as deviant and criminal? Students will be expected to understand the various theories and their implications, as well as to develop an understanding of their own theory of deviance and criminality.

Prerequisite: CJ 160.

EDUCATION

at Arcadia University

Global Perspectives...Personal Attention...Real-World Integrative Learning Experiences

Faculty

Professors

Dr. Christina L. Ager
Dr. Peter M. Appelbaum
Dr. Bette P. Goldstone
Dr. Jeffrey Shultz
Dr. Ellen Skilton-Sylvester

Associate Professors

Dr. Steven P. Gulkus (Chair)
Dr. Leif Gustavson
Dr. Margaret J. Hickman
Dr. Deborah Pomeroy (Emeritus)
Dr. Tanya Santangelo

Assistant Professors

Dr. Foram Bhukanwala
Dr. Jodi Bornstein
Dr. Erica Davila
Dr. Kim Dean
Dr. Mary Hornyak
Dr. Erik Nelson
Dr. Julia Plummer
Dr. Cynthia K. Reedy
Dr. Graciela Slesaransky-Poe

School Collaboration Staff

Dr. Jane Duffy, Director of Fieldwork and Student Teaching
Joe Heron, Assistant Director of School Collaborations
Christine Miller, Assistant to the Director of Fieldwork and Student Teaching

Instructors

Dr. Jane A. Duffy
Dr. Doug Sauber
Dr. Kathy A. Trainor
Dr. Kathy Wirth

Degrees and Concentrations

Bachelor of Arts in Education and five-year program options

Students entering in Fall 2009 as first-semester freshman or transfer students have multiple program options under the current teacher certification system (first three options listed below). Students must complete all certification requirements and apply for certification by Aug. 31, 2013, to receive certification in the current areas. In addition,

students can transition into the program leading to certification under the new Pennsylvania Department of Education (PDE) guidelines. (See fourth option.)

Current Areas of Certification

B.A. in Education: Elementary Education (K-6)
B.A. in Education: Dual Elementary (K-6)/Early Childhood Education (PreK-3)
B.A. in Education and Master of Education: Special Education with five-year (3+2) program

New Areas of Certification

B.A. in Education: New PDE Guidelines, Dual Early Childhood/Elementary Education (PreK-4) and Special Education (PreK-8)
First-year freshman starting Fall 2010 or transfer students who plan to complete their program after Aug. 31, 2013, will pursue the new Pennsylvania Department of Education certification categories—see options below—approved by the Commonwealth of Pennsylvania, Chapter 49.

B.A. in Education: Dual Certification in Early Childhood/Elementary Education, PreK-4 and Special Education, PreK-8

*B.A. in Education: Elementary/Middle Level Education 4-8

*Special Education Certification:
Special Education, PreK-8
Special Education, 7-12

*Pending PDE approval

Bachelor of Arts with five-year (3+2) program options (includes B.A. in Education and Master of Education) Fifth-year concentrations in the following areas:

Special Education (See section describing Special Education options.)

Environmental Education (includes certification) (See separate listing for 3+2 program in Environmental Education.)

Literacy Education/Reading (includes certification) (See Literacy Education in Graduate Catalog.)

EDUCATION at Arcadia University

Literacy Education/Reading plus ESL
(includes certification in both areas)

Literacy Education in TESOL (Teachers of English to Speakers of Other Languages)
(includes certification) (includes multiple pathways)

Technology Education (See Instructional Technology in Graduate Catalog.)

Library Science (includes certification)

Secondary Education (B.A. or B.S. in Secondary Disciplinary Area with minor track in Secondary Education leading to certification)

Biology (7-12)

Chemistry (7-12)

English (7-12)

General Science (7-12)

Mathematics (7-12)

Social Studies (7-12)

Art Education K-12 (B.F.A. in Fine Arts with minor track in Art Education)

Minors

General Education

Secondary Education

Elementary Mathematics Education (See Mathematics in Undergraduate Catalog.)

Related Graduate Study at Arcadia University

(See Graduate Catalog.)

Certificate of Advanced Study

Doctorate in Education with a concentration in Special Education or Educational Leadership (beginning Fall 2010)

Master of Education

Master of Arts in Education

Pathways to Study Abroad in Education

Education majors are urged to consider spending a semester abroad. Students who study abroad strengthen their teaching skills through field experiences in schools in another

country and enhance their knowledge of the field of education through the courses they take while abroad.

The junior year is the most convenient time for Education majors to plan to study abroad. Currently, opportunities for student teaching abroad are available as well. Students are encouraged to make these decisions early in their program in order to adequately plan for appropriate course selection, and in the case of student teaching, to adequately prepare, plan and place students abroad.

Visit the University's Web site for Pathways to Study Abroad (www.arcadia.edu/pathways). Since it is important that students plan ahead for study abroad, they should consult with their advisers as soon as possible and make their intentions known to the Department Chair and the Director of International Services.

About the Education Program at Arcadia University

- More than 20 certification programs at the graduate and undergraduate levels approved by the Pennsylvania Department of Education (PDE)
- Dual Certification in Elementary Education and Early Childhood Education.
- Starting Fall 2010 dual certification at the B.A. in Education level under new certification guidelines
- Add-on certification through five-year 3+2 programs (combined B.A. plus master's degree) in Special Education; Environmental Education; Literacy Education/Reading Specialist and/or ESL; Technology Education; Library Science
- Secondary certification in Biology, Chemistry, General Science, Mathematics, Social Studies, and English
- Additional certification in Art Education (K-12)
- Opportunities to major in middle school education program starting Fall 2010
- Partnerships with more than 20 urban and suburban school districts as well as schools in other countries
- Extensive, integrated and supervised fieldwork opportunities beginning in

EDUCATION at Arcadia University

the freshman year and into the senior year

- Student teaching in urban, suburban and international sites
- Opportunities to study abroad at some of the top universities around the world
- Institutional grants to collaborate with faculty on research and opportunities to present at regional, national, and international conferences
- Membership opportunities in honorary societies such as Kappa Delta Pi International Education Honorary Society in Education and Phi Kappa Phi Arcadia University Honor Society
- Student memberships in state and local professional education organizations such as the Pennsylvania State Education Association

Leadership and recognition: Arcadia University has been awarded state grants from the Pennsylvania Department of Education's Division of Special Education to train teachers statewide in inclusive practices at the Arcadia Annual Inclusion Institute. The Pennsylvania Department of Education and the National Science Foundation awarded Arcadia major funding to train special educators and secondary English, social studies, science, and mathematics educators. Arcadia has been recognized and funded for its work in developing Professional Development Schools through the Rubinstein Foundation and the Philadelphia Education Fund, and the University is recognized for its work in the teaching of writing to students through the "Young Writers Project," funded by the Rubinstein Foundation and Cliveden of the National Trust.

Our graduates have received regional and statewide recognition for the work they do after graduation. More than 80 percent of our graduates obtain positions teaching or working in education-related positions. Graduates of Arcadia's Education program are currently employed or have been employed in schools in Pennsylvania, New Jersey, New York, Maryland, Delaware, South and North Carolina, Florida, California, Oregon, Washington, Ohio, Virginia, England, Australia, Japan, and Korea.

B.A. and M.Ed. degrees: The Education Department offers programs leading to a

Bachelor of Arts degree and a Master of Education degree. The B.A. programs combine a liberal arts education with specific career training. Arcadia University offers Education majors an abundance of student-teaching opportunities in urban and suburban settings, here and abroad. In addition, Arcadia University provides students with opportunities and professional tools in areas beyond primary education. Opportunities to develop competence in Special Education, Literacy Education/Reading Specialist and/or Teaching English Language Learners (ESL/TESOL), Urban Education, Instructional Technology Education, Middle School Education (starting Fall 2010), Secondary Education, and Library Science are available to students who want to extend their experiences beyond the standard curriculum.

Elementary Education, Early Childhood

Education and Special Education: First-year students entering the four-year undergraduate program in Fall 2009 will complete coursework that leads to certification in Elementary (K-6) or Dual certification in Elementary Education (K-6) and Early Childhood Education (N-3). All students entering these programs must complete all certification requirements and obtain passing scores on the Praxis state teacher examinations by Aug. 31, 2013, in order to receive the K-6 certificate or the dual PreK-3 and K-6 certificate.

All first year students entering Fall 2010 will come under the new Pennsylvania Department of Education guidelines and will receive a B.A. in Education and certification with a concentration in either Dual Early Childhood/Elementary Education (PreK-4) and Special Education (PreK-8) or Elementary/Middle Level Education (grades 4-8).

Secondary Education (7-12) and Art

Education (K-12): Undergraduate students can prepare for Secondary Education (7-12) by majoring in Biology, Chemistry, English, Mathematics or Social Studies (Political Science, History, Psychology, and Sociology majors) and earning minors in the Secondary Education Certification Program. A program in cooperation with the Art and Design Department leads to certification in Art Education (K-12).

B.A. plus master's in five years (3+2 program): Multiple five-year

EDUCATION at Arcadia University

undergraduate/graduate programs also are available. These programs combine a B.A. in Education and a Master of Education (M.Ed.) with a concentration in one of the following areas: Special Education (PreK-8 or 7-12), Literacy Education in Reading and/or TESOL, Urban Education, Instructional Technology in Education, and Library Science. Students pursue a typical undergraduate program of study in Elementary Education for three years. In their junior year, they can apply to study in specialized areas at the graduate level. If accepted, students can take graduate courses in their senior year. The remainder of their graduate-level program can be finished after their fourth year on a full-time basis or in several years on a part-time basis.

In addition, a five-year (3+2) program also is available in Environmental Studies (See Environmental Studies listing in the Undergraduate Catalog), which enables students to earn K-12 Environmental Education Certification, a B.A. in Biology and an M.A. in Environmental Education.

Graduate programs: Arcadia offers a wide range of graduate options in a number of subject areas. Graduate-level programs are available in Art Education, Instructional Technology, Early Childhood Education, Educational Leadership (supervisory, principal, and superintendent levels), Elementary Education, Environmental Education, Language Arts, Children's Literature, Library Science, Mathematics Education, Reading, Science Education, Secondary Education, Special Education, Curriculum Studies, English as a Second Language (ESL) and Teachers of English to Speakers of Other Languages TESOL. (See Graduate Catalog.) Arcadia also offers an Ed.D. in Special Education and Educational Leadership (beginning Fall 2010).

Bachelor of Arts in Education

The current Bachelor of Arts program provides the necessary training for students interested in teaching at the early childhood (PreK-3) and elementary (K-6) levels. This current program will be available to all students who will have met all state requirements and have submitted their certification application to the Pennsylvania Department of Education by Aug. 31, 2013. Starting in Fall 2010, students will have the opportunity to pursue certification tracks based on the new Pennsylvania

Department of Education certification categories: Dual Early Childhood/Elementary Education (PreK-4) and Special Education (K-8) and Elementary/Middle Level Education (4-8).

All Education programs are fully approved by the Pennsylvania Department of Education (PDE). New programs in Elementary/Middle Level Education (4-8) and Special Education (7-12) have been submitted and are pending approval from the Pennsylvania Department of Education. Graduates are recommended by the University Certification Officer after meeting all requirements for the Instructional I Certificate as mandated by PDE. Arcadia University makes every effort to help students prepare to meet certification requirements in other states. Reciprocity among many states currently exists allowing out of state students receiving certification in Pennsylvania to apply to their respective state departments (agreements with 45 other states) of education for full certification status.

Requirements for the Major in Elementary and Early Childhood Education

Arcadia University prepares students for a world of increasing interdependence and complexity. Students become familiar with their discipline (Education) as well as develop many different areas of knowledge necessary to be active citizens in a contemporary and interconnected world. Students focus on acquiring knowledge and skills in their major discipline through the Professional Education Coursework and experiences as part of the Undergraduate Curriculum. In addition, students develop a broad-based understanding across disciplines through the other elements of Arcadia's Undergraduate Curriculum (www.arcadia.edu/curriculum). This curriculum emphasizes the need for students to see themselves within a global context and to be prepared to approach the world's diversity and complexity within a spirit of respect, cooperation and justice.

Credit Count (128 credits)

1. Professional Education Requirements (74 credits; Core in Early Childhood Education and Elementary Education)

EDUCATION at Arcadia University

Some major courses also fulfill other Curriculum requirements.

2. Additional Undergraduate Curriculum requirements (54 credits)

Professional Education Requirements

(74 credits): Dual Certification in Elementary (K-6) and Early Childhood Education (N-3),

The Professional Education requirements are based on Pennsylvania Code, Chapter 354 and 49 requirements.

Professional Core in the Dual Elementary and ECE programs totals 73 credit hours, including field experiences and student teaching. Twelve of these credits, and imbedded content and experiences in other courses, address adaptations, accommodations, and cognitive development of diverse students in an inclusive setting (PDE Chapter 49 requirements). Three credits, and imbedded content and experiences in other courses, address content requirements covering the needs of English language learners (PDE PA Code, Chapter 49 requirements).

1. Professional Education Core Courses and Fieldwork (46 credits)

- *ED 110a Teaching for Learning (4 credits; meets Self and Society requirement)
- ED 120 Professionalism in Education (2 credits)
- ED 211 Assessment and Intervention in ECE (4 credits)
- *ED 212 Child and Youth Develop. (4 credits; meets Self and Society requirement)
- ED 216 Teaching Literacy in the 21st Century (4 credits)
- ED 220 Professionalism in Education II (2 credits)
- ED 220L Field Experience I
- *ED 217 The Literacies of Social Studies, Science and Language Arts (4 credits; meets designated Writing requirement)
- ED 218 Developing Mathematicians: Thinking Teaching and Learning in Elementary Math (4 credits)

- ED 221 Critical Conversations and Fieldwork in Elementary Education (2 credits)
- ED 221L Field Experience II
- ED 319 Social Studies Methods K-8 (4 credits)
- ED 320L Field Experience III
- ED 322 Instructional Techniques in ECE (4 credits)
- *ED 324 Science Methods for Elementary Teachers (4 credits; meets Natural and Physical World requirement)
- ED 323 Early Intervention in ECE (4 credits)

2. Special Education and English as Second Language Requirements (16 credits)

- *ED 214 Introduction to Inclusive Education (4 credits; meets Self and Society requirement)
- ED 315 Differentiated and Individualized Instruction: Teaching and Reaching All Learners (4 credits)
- ED 375 Managing an Inclusive Classroom (4 credits)
- *ED 424 ESL: Understanding Language Learning (4 credits; meets designated Writing requirement)

3. Student Teaching (12 credits)

- *ED 416 Student Teaching, Elementary and Early Childhood Education (12 credits; meets Senior Capstone Seminar and Global Connections Reflections)

Content area courses required under PA Code, Chapter 354 (12 credits)

- a) At least one course in Written Communication
 - *EN 101 Thought and Expression I (4 credits; meets Writing requirement)
- b. One course in American/English Literature
 - *EN 229 Voices of America (4 credits; meets Cultural Legacy requirement)

EDUCATION at Arcadia University

- c. Two courses in Mathematics
- *MA 117 Mathematical Concepts I
(4 credits; meets
Quantitative Reasoning
requirement)
 - *MA 118 Mathematical Concepts II
(4 credits; meets
Quantitative Reasoning
requirement)

*Courses that also meet another
Undergraduate Curriculum requirement

Additional Undergraduate Curriculum Requirements

Many of the following courses will meet both the state certification requirements and Undergraduate Curriculum requirements. Courses taken in one area also can count toward a requirement in another area. Students will have free choice to select a course from a respective area in cases where no overlaps exist.

I. Curricular Experiences

1. **First-Year Seminar (FYE)** (1 course, 4 credits) Choose one course from this area.
2. **University Seminars (US)** (2 courses; 8 credits)
 1. Choose a course from the Creative Expression Area (should be a course in art, music, or theater)
 2. ED 214 Introduction to Inclusive Education (Professional Education requirement)
3. **Global Connections Experience (GC):**
A global experiential reflection (met through local, national, or international study away or student teaching)
4. **Senior Capstone Project** (1 course; 4 credits) ED 416 Student Teaching Experience

II. Areas of Inquiry

1. **Creative Expressions (CE):** (1 course)
Choose one course in the arts: Art and Design, Music, or Theater (should also meet the University Seminar and Visual Literacy requirements)
2. **Cultural Legacies (CL)** (2 courses)

1. HS 117 Early U.S. History (also meets PDE requirement)
2. EN 229 Voices of America (also meets PDE requirement)

3. Natural and Physical World (PN) (2 courses):

1. ID 101 Science and Civilization I
2. ED 324 Science Methods for Elementary Teachers (also meets Professional Education requirement)

4. Self and Society (2 courses) Any two courses in the Professional Education core will meet this requirement.

III. Intellectual Practices

1. Global Connections Courses (GC_) (2 courses)

1. ED 212 Introduction to Inclusive Education or ED424 Understanding Language Learning_(also meets University Seminar and Professional Education requirements)
2. Choose a course in history of cultures outside of United States History

IV. Modern Languages (0 to 2 courses)

1. Level 1 Modern Language course (possible exemption based on placement exam)
2. Level 2 Modern Language course (possible exemption based on placement exam)

V. Quantitative Reasoning (2 courses)

1. MA 117 Mathematics Concepts I (also meets PDE requirements)
2. MA 118 Mathematics Concepts II (also meets PDE requirements)

VI. Visual Literacy (1 course)

1. Choose one course in the arts from this area: Art and Design, Music, or Theater (can meet University Seminar and Creative Expression requirements)

VII. Writing (4 courses)

1. EN 101 Thought and Expression I (First year, first semester, meets Professional Education requirements)
2. EN 102 Thought and Expression II or a designated Research Writing course in Education (taken in first or second year)

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3. ED 217 The Literacies of Social Studies, Science, and Language Arts (Writing designated course and also meets Professional Education requirement)
4. ED 424 ESL: Understanding Language Learning (Writing designated course and also meets Professional Education requirement)

Special Education Certification Requirements for Combined B.A. and M.Ed. with a Concentration in Special Education

Students entering Fall 2009 have the option (Option 1) to pursue Special Education in a five-year program. This 5-year program allows students to receive a B.A. in Education in four years under the current PDE certification guidelines for Elementary Education K-6 and Early Childhood Education PreK-3. In their fourth and fifth years students begin to take graduate courses required for certification in Special Education PreK-8 (based on the new guidelines in Special Education, PreK-8) and will receive an M.Ed. in Special Education at the end of the fifth year.

Students entering Fall 2009 also will have the option (Option 2) to pursue dual certification Early Childhood/Elementary Education (PreK-4) and Special Education (PreK-8) under the new Pennsylvania Department of Education guidelines. However, students who pursue this option will be enter the new program in their second year of study at Arcadia and will graduate with dual certification in Early Childhood/ Elementary Education (PreK-6) and Special Education (PreK-8) at the end of their fourth year at Arcadia.

First year students entering Arcadia in Fall 2010 will only be able to enter the four year dual certificate program that will lead to certification in Early Childhood/ Elementary Education (PreK-4) and Special Education (PreK-8). Students in this program will be certified under the new guidelines mandated by the Pennsylvania Department of Education.

Option 1

Students choosing the five-year program option that combines a Bachelor of Arts in Education (with certification in Elementary and Early Childhood Education) with a Master of Education with a concentration in Special Education: Students should apply for admission to this five-year program by Feb. 15 of the junior year. Requirements for admission to the five-year program must do the following:

- 1) Obtain admission to the Education Department.
- 2) Apply for admission to the College of Graduate Studies.
- 3) Maintain a GPA of 3.0 in all Education courses.
- 4) Be recommended by two members of the Education Department faculty.
- 5) Show evidence of personal maturity.

Students choosing this option graduate after four years of undergraduate study with a Bachelor of Arts in Education degree and complete their Special Education program as a graduate student in their fifth year. Upon completion of the fifth-year requirements, students graduate with a Master of Education degree with a concentration in Special Education.

In order to complete this program in five years, students will begin to take graduate courses during the fourth year of their undergraduate program. Additionally, they are required to enroll in courses during the summer between the fourth and fifth years of the program. A total of 124 undergraduate credits and 30 graduate credits are required. Courses will be chosen in consultation with the student's adviser.

Option 2

Students who choose this option should declare this option at the end of their first year. Students will be able to transition into this program and can graduate in four years with dual certification in Early Elementary Education PreK-4 and Special Education PreK-8.

Requirements for Other Combined Bachelor of Arts and Master of Education Concentrations

Five-Year Programs are also available in the following areas:

Literacy Education in Reading

Literacy Education in Reading plus ESL (includes certification in both areas)

Literacy Education in TESOL (Teachers of English to Speakers of Other Languages) (includes multiple pathways)

Instructional Technology

Library Science

Environmental Education

Requirements include 124 undergraduate credits for the Bachelor of Arts degree plus 30 credits for the Master of Education degree (and certification where applicable). Please note: In order to complete this program in five years, students must enroll for at least 6 graduate credits during their fourth year of their undergraduate program and 9 credits between their fourth and fifth years. Students will meet with their five-year adviser in their respective area of interest to plan out which courses (30 credit hours) to take that will meet the master's degree requirements.

1. Complete all of the requirements for the Bachelor of Arts degree (124 credits).
2. Select required graduate courses (30 credits) in consultation with adviser.

Requirements for Secondary Education Certification

(Certification to teach grades 7-12)

Arcadia University is approved by the Pennsylvania Department of Education to

certify students in the following six secondary education areas: **Biology, Chemistry, General Science, English, Mathematics and Social Studies**. Prospective secondary teachers must complete requirements in their respective disciplinary major—Biology, Chemistry, English, Mathematics or Social Studies (History, Political Science, Psychology and Sociology majors).

In addition, candidates for certification complete coursework in the Professional Education Core designed to prepare students to teach in grades 7-12. This constitutes a minor in Secondary Education. Advisers in the respective liberal arts and sciences departments will guide the student in the selection of disciplinary content courses, while secondary education faculty guide the student through the certification and Professional Education Core requirements.

Students interested in secondary certification should consult with their disciplinary adviser or their respective education adviser as early as possible, preferably freshman or sophomore year. All Arcadia undergraduates seeking certification, except those who transfer to the University in their junior year, apply into the certification program during the spring semester of their sophomore year. See the section outlining the application process for all certification candidates.

The following Professional Education courses are required for Secondary Education certification. Courses with an asterisk (*) are courses that apply to the Arcadia University Undergraduate Curriculum requirements:

1. Seven courses in Education and Student Teaching

*ED 110b	Teaching for Learning, 7-12 (also meets Self and Society requirement)
ED 120	Professionalism in Education I (2 credits)
*ED 313	Meeting the Needs of Diverse Learners (also meets Self and Society requirement)
*ED 315	Differentiated and Individualized Instruction: Teaching and Reaching All Learners
ED 375	Managing an Inclusive Classroom

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ED 411	Designing Learning Environments
*ED 424	ESL: Understanding Language Learning (4 credits; also meets Writing designated requirement)

2. Choose only one methodology course appropriate to your area of certification.

ED 412a	Curriculum and Methodology for Grades 7-12: English
ED 412b	Curriculum and Methodology for Grades 7-12: Social Studies
ED 412c	Curriculum and Methodology for Grades 7-12: Mathematics
ED 412d	Curriculum and Methodology for Grades 7-12: Science

3. Student Teaching

*ED 417	Student Teaching Secondary Education (12 credits)
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4. Additional courses required by PDE (PA Code, Chapter 354)

a. At least one course in Written Communication

*EN 101	Thought and Expression I (4 credits)
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b. One course in American/English Literature

*EN 229	Voices of America (4 credits; also meets Cultural Legacies requirement)
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c. *Any two courses in Mathematics above MA 100. Students not majoring in mathematics or science can take MA 117 Mathematics Concepts I and MA 118 Mathematics Concepts II (also meets Quantitative Reasoning requirement)

*Courses that also meet Undergraduate Curriculum requirements

Suggested Course Sequence

The following courses should be taken in the following sequence. Required Professional Education courses that also meet the Arcadia University Undergraduate Curriculum requirements are noted with an asterisk (*).

Freshman Year (8 credits)

Fall

*EN 101	Thought and Communication I
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Spring

*ED 110b	Teaching for Learning, Secondary Education (7-12)
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Sophomore Year

Fall

*ED 313	Meeting the Needs of Diverse Learners (4 credits)
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*One course in Mathematics: MA 110, MA 117, MA 118, or MA 141 are recommended for majors who do not have a mathematics requirement (4 credits)

Spring

*A second course in Mathematics: MA 110, MA 117, MA 118, or MA 141 are recommended for majors who do not have a mathematics requirement

*American Literature, EN 229 (4 credits)

NOTE: Certification program candidates also should complete the PRAXIS I, PPST tests by the end of the sophomore year and submit passing scores when applying into the Education Department teacher certification program (GPA of 3.0 required).

Junior Year (11 credits)

Fall

ED 315	Differentiated and Individualized Instruction: Teaching and Reaching All Learners (4 credits)
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Spring

ED 411	Designing Learning Environments (4 credits)
ED 424	ESL: Understanding Language Learning (4 credits)

NOTE: In the spring semester, candidates for certification must do the following: Obtain Student Teaching Information from the Office of Student Teaching.

Senior Year First Semester (8 credits):

Fall

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1. Choose only one course appropriate to your area of certification from the following:

ED 412a	Curriculum and Methodology for Grades 7-12: English
ED 412b	Curriculum and Methodology for Grades 7-12: Social Studies
ED 412c	Curriculum and Methodology for Grades 7-12: Mathematics
ED 412d	Curriculum and Methodology for Grades 7-12: Science

2. Take the following course:

ED 375	Managing an Inclusive Classroom
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NOTE: In the fall semester, candidates for certification must do the following:

- Complete the Praxis II Subject Area Test.
- Complete Spring Student Teaching applications and submit by September 15.
- Have GPA of 3.0 required for admission.
- Make sure all clearances are current and valid.

Spring

ED 417	Student Teaching (14 weeks full-time teaching)
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Different Pathways to Secondary Education Certification

Three different pathways can be taken that will ultimately lead to certification in a secondary education area. Students should choose the option that best suites their needs. The decision should be made in consultation with their Education Department adviser and should be determined as early as possible, preferably in the freshman or sophomore year.

Option 1: Complete all course requirements and student teaching during the four years of undergraduate study, earning a bachelor's degree and teacher certification at the same time. (Some courses may be taken during the summer or online.)

Option 2: Complete the requirements for a major in an appropriate field and a minor in

Education during the four years of undergraduate study, earning a bachelor's degree and eligibility for a Graduate Intern Certification (requires passing scores on the Praxis I and II examinations). This allows recipients to teach full-time in a public school classroom while continuing to take courses to fulfill the teacher certification Instructional I requirements during the next three calendar years. These courses could be taken through Arcadia University's graduate program and would be credited toward a master's degree.

Option 3: Complete the requirements for a major in an appropriate field during the four years of undergraduate study, earning a bachelor's degree. Then take all the required Education courses for teacher certification at the graduate level.

Requirements for Art Education Certification

Students in the B.F.A. Studio degree program (with the exception of Interior Design majors) can earn certification in Art Education. This certification provides a skilled background in the technical and historical aspects of art education as a prerequisite to teaching art in grades K-12. The program emphasizes all arts as a means of arriving at aesthetic experiences. Since students are required to take additional courses in liberal arts in order to meet the Education certification requirements, additional time may be required to earn certification. Graduates who are recommended by the chairs of the Education and Art and Design departments can receive the Instructional I Specialist (K-12) certification to teach art in Pennsylvania.

Required Coursework Beyond the BFA requirements

1. PA Code, Chapter 354 content area coursework required for admission into certification program (16 credits)

- *EN 101 Thought and Expression I
- *Two Course in Mathematics beyond the remedial level (MA 110, MA 117, MA 118, or MA 141) (meets Quantitative Reasoning requirement)
- *EN 229 Voices of America (or an equivalent American or English literature course)

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(meets Cultural Legacies requirement)

2. The following Education courses:

*ED 110a	Teaching for Learning (Complete before applying into teacher certification program; meets Self and Society requirement)
ED 120	Professionalism in Education I (2 credits)
*ED 212	Child and Youth Development (meets Self and Society requirement)
*ED 214	Introduction to Inclusive Education (meets Global Connections requirement)
*ED 424	ESL: Understanding Language Learning (4 credits; meets Writing designated requirement)
*ED 375	Managing an Inclusive Classroom

3. The following Art Education courses:

AE 300	The Uses of Theory in Art Education
AE 308	Curriculum Design in Art Education

(Art Education courses may be included within the course selection of studio electives.)

4. Student Teaching

AE/ED 418	Undergraduate Student Teaching Practicum, Art Education (8 credits)
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All Art Education students must meet the same admission requirements for all candidates seeking certification.

Requirements for the Minor in Education Without Certification

(minimum, 20 credits)

The minor in Education without certification provides an introductory background to the field of education and partially prepares students for entry into a certification program upon graduation. Students who want to minor in Education should contact the Chair of the Education Department if they need assistance in selecting courses appropriate for the grade level they plan to teach. Selecting courses early in your program is advised.

General Education: Students who want to minor in General Education should choose 20 credit hours from the following list of courses:

ED 110a or b	Teaching for Learning
ED 211	Assessment and Intervention in Infancy and Toddlerhood
ED 212	Child and Youth Development
ED 214	Introduction to Inclusive Education
ED 313	Meeting the Needs of Diverse Learners
ED 411	Designing a Learning Environment
ED 315	Inclusive Practices II
ED 424	ESL: Understanding Language Learning (4 credits)

Other combinations of courses may be chosen in consultation with the Education Department.

Admission Requirements for All Certification Program Candidates

The Pennsylvania Department of Education requires that all candidates interested in obtaining teacher certification must meet certain prerequisite requirements before they can enter a program leading to teacher certification. All students who are seeking Pennsylvania teacher certification in Elementary, Early Childhood, Special Education, Secondary Education or Art Education must formally apply into the teacher certification program through the Education Department and must meet the following prerequisite requirements.

Admission decisions are based on the Pennsylvania Department of Education state certification requirements (PA Code, Chapter 354). The following are required:

- 48 credits outside of Education
- An overall GPA of 3.0 or higher
- Two college-level Mathematics courses
- Courses in English Composition and a course in American Literature
- Current PA Criminal Background and Child Abuse Clearances and FBI Background Clearance

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In addition to the above requirements, students must do the following:

- Take at least one Education course
- Allowed only one grade of "C" in an Education course
- Pass the Praxis I Reading, Writing and Mathematics tests
- Submit an electronic portfolio (Elementary/Early Childhood and Special Education majors only)

NOTE: All Arcadia undergraduates seeking certification, except those who transfer to the University in their junior year, should apply during the spring semester of their sophomore year.

A student who thinks his or her GPA might be below 3.0 and/or has not met all the prerequisite requirements may request to be conditionally admitted. Students completing the conditional requirements within a designative timeframe will be fully admitted into the teacher certification program. Those students who do not meet the requirements may continue in the Education Program but will not be able to pursue certification. Students also may choose to pursue an alternative major.

Students denied admission to the Department will be advised to pursue an alternative major or seek a path that may combine Education with another major.

Transfer Students Admission

All transfer students above the level of a first-semester sophomore must apply for admission to the Department immediately after their first semester as a full-time student or after two semesters as a part-time student. At the end of that semester, their Arcadia University GPA (3.0 or higher) along with their transfer GPA will be used to determine whether they will be admitted to the Department. Transfer students are not required to submit an e-portfolio until they apply for student teaching. They are required to meet all admission standards required by the Pennsylvania Department of Education.

Student Teaching Practicum (for all majors)

Students who have completed their entire coursework will student teach as their

culminating experience during the last semester of the senior year. Applications for student teaching must be submitted with all required materials the semester prior to student teaching. The deadlines are September 15 for a spring practicum and February 1 for a fall practicum. Applications are available through the Office of Student Teaching and Fieldwork, the Education Department main office, or by visiting the Education Department Web site. A 3.0 overall GPA, completion of all Praxis Series Certification Examinations, valid and updated clearances, senior in good standing and permission of the Director of Fieldwork and Student Teaching are required for admission to student teaching.

Testing Requirements for All Candidates Seeking Certification in the State of Pennsylvania

All candidates applying for Pennsylvania State Certification in Elementary Education, Early Childhood Education, Special Education, Secondary Education and Art Education need to pass all Praxis Series state teacher examinations in order to receive an Instructional I certificate from the Pennsylvania Department of Education. It is required that before applying into the Education Department, students must pass the following tests: Praxis I: Pre-Professional Skills Tests in Reading, Writing and Mathematics.

Only candidates for Elementary Education, Special Education, Early Childhood Education and Art Education must take the Fundamental Subjects: Content Knowledge test (#30511, Praxis II) This test should be completed before the first semester of the senior year. In the senior year before the start of the student teaching experience, all certification candidates must complete all Praxis Series examinations, including subject area specialization test(s). All individuals seeking dual certification will be required to be examined in both areas of specialization. Information is available on the Education Department Web site (<http://www.arcadia.edu/edudept>) or Education Department Main Office Current information is subject to change without notification.

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The total Praxis pass rate for students completing teacher certification programs at Arcadia University exceeded the statewide total pass rate. Results aggregated by area are available in the College of Graduate Studies Office for review or on the Arcadia Education Department Web site.

Exit Requirements for All Certification Program Candidates

1. Satisfactory completion of all coursework for the bachelor's degree and GPA requirement specified by the Pennsylvania Department of Education (3.0 GPA).
2. Satisfactory completion of University requirements as identified elsewhere in this catalog.
3. Satisfactory completion of student teaching ("B" or better) in the area of certification and the PDE 430 performance-based assessment rating form. (Note that all practicum prerequisites must be met and the adviser's approval received before enrolling in the student teaching.)
4. Successful passing of the Praxis I Series qualifying tests and successful completion of the Praxis II tests (Note in order for students to receive an Instructional I certificate from the PA Dept. of Education they will be need to pass all required Praxis I and II tests. Students may retake tests not meeting the state required cutoff score.
5. Maintained annually updated clearance documentation: PA Criminal Background Check, PA Child Abuse background check and FBI background check.
6. Completion of Pennsylvania Instructional I certification forms (available in the College of Graduate Studies Office) required by the University and the Pennsylvania Department of Education.
7. Meeting of all the Pennsylvania State Standards for the Preparation of Teachers.
8. Completion of a professional e-portfolio.

Education Courses (ED)

110a

Teaching for Learning

(4 credits; Fall, Spring)

Introductory course in education for prospective teachers. Includes an intensive analysis of teaching and of the culture of the school. Observation and tutoring in a school setting. Current issues and topics and their influences on contemporary education. Requires a field experience of two hours per week (minimum) in addition to the scheduled classes.

110b

Teaching for Learning, 7-12

(4 credits; Fall, Spring)

Ethnographic research, historical and philosophical approaches are used to explore how youth cultures, institutional organization, disciplinary contexts, and categories of difference frame youth experiences and the enactment of curriculum. Field experiences provide opportunities to analyze disciplinary learning in a variety of formal and informal environments.

120

Professionalism in Education

(2 credits; Fall, Spring)

This course will encourage students to examine teaching issues through a professional lens. Students will investigate professional ethics, professional electronic portfolios, communication strategies, assessment and evaluation, and pedagogic resources. Students will also explore their strengths and weaknesses in an effort to take ownership of their growth as students and as developing professionals. Taken in conjunction with ED 110a and ED 120L (fieldwork).

211

Assessment and Intervention in Infancy and Toddlerhood

(4 credits; Fall, Spring)

Intensive study of children, birth to 3, enabling the student to have an in-depth understanding of the physical, social, emotional, and cognitive development of a child. Includes required field experience focusing on an understanding of developmentally appropriate curriculum and environmental management skills, and understanding of the significance of play. Assessment and intervention of children developing both typically and atypically are addressed. Requires field observations in an infant/toddler program.

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212

Child and Youth Development

(4 credits; Fall, Spring)

Study of growth and behavior of children from infancy through pubescence. Includes individual and environmental factors affecting normal cognitive, emotional, physical and social development. Requires field experience.

214

Introduction to Inclusive Education

(4 credits; Fall, Spring)

Introduction to the etiology and developmental manifestations of exceptionality in children and youth. Topics include: giftedness; physical, intellectual and emotional handicaps; education and rehabilitation services. Requires field observations.

216

Teaching Literacy in the 21st Century

(4 credits, Fall, Spring)

The purpose of this course is to explore the teaching of literacy skills and differentiating instruction in the pre-K to 8th grade classroom. Pre-service teachers will gain an understanding of the reading process and strategies and assessments used in inclusive classrooms. Some of the topics included are: phonemic awareness, phonics, vocabulary, comprehension, fluency, and differentiating instruction for the English language learner and students with special needs. Taken in conjunction with ED 220 and ED 221L (fieldwork).

Prerequisites: ED 110a and ED 120

217

The Literacies of Social Studies, Science and Language Arts

(4 credits, Fall, Spring)

This course explores literacy as a practice in different disciplines (science, social studies, and language arts) and different contexts (home, community, workplace, and school). Through reading and writing as historians, scientists, and poets, honing skills to be able to identify these ways of knowing and communicating in their students, and understanding/acting on the "theoretical shoulders" on which they stand as future teachers. Taken in conjunction with ED 221 and ED 221L.

Prerequisites: ED110a and ED 216

218

Developing Mathematicians: Thinking Teaching and Learning in Elementary Mathematics

(4 credits, Fall; Spring)

Through class investigations, field applications and common assignments with other co-requisite

education courses and field work in area schools, students will develop a working conception of mathematics as an evolving literacy. Students will learn how to integrate mathematics with other subjects in the school curriculum, and develop effective strategies and assessments for the K-8 inclusive classroom. Taken in conjunction with ED 221 and ED 221L.

Prerequisites: ED 110a and ED 216

220

The Teacher as a Professional II

(2 credits; Fall, Spring)

The purpose of this course is to continue to examine teaching issues through a professional lens. Students develop and deepen their understanding of professional ethics, electronic portfolios, professional resources, and critical thinking models. The course provides a scheduled opportunity to complete common fieldwork that bridge content specific courses. Taken in conjunction with ED 216 and ED 220L.

Prerequisites: ED 110a and ED 120

220L

Field Experience I

(0 credit; Fall, Spring)

An integrated 13 week field experience incorporating content-specific and pedagogic knowledge related to coursework taken during the first semester of the sophomore year. Pre-service teachers begin with observation, then move onto working with students in small group settings, ending with whole class teaching opportunities. Taken in conjunction with ED 216, ED 212, ED 214, ED 220.

Prerequisites: ED 110a and ED 120

221

Critical Conversations and Fieldwork in Elementary Education

(2 credits; Fall, Spring)

An on-line course for undergraduate elementary education majors, this course addresses key digital literacies integral to college learning as well as learning to be an effective teacher. The course assists students in defining who they are as educators in relation to fieldwork, course content, and provocative theoretical texts. Students will refine their e-portfolio for submission to the department admissions committee. Taken in conjunction with ED 217, ED 218, ED 221L (fieldwork).

Prerequisites: ED 110a, ED 120, ED 216

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221L

Field Experience II

(0 credit; Fall, Spring)

An integrated 13 week field experience incorporating content-specific and pedagogic knowledge related to coursework taken during the second semester of the sophomore year. Pre-service teachers work with students in small group settings and have the opportunity for whole teaching and collaborative lesson planning. Taken in conjunction with ED 217, ED 218, ED 221.

Prerequisites: ED 212, ED 214, ED 216, ED 220, ED 214

301

Contemporary Issues in Education

(4 credits)

Survey of contemporary issues in education. Topics include cultural pluralism, desegregation and race, and bilingualism. Presents readings in anthropological, sociological, linguistic and folkloristic aspects of education.

313 (Graduate version ED 513)

Meeting the Needs of Diverse Learners

(4 credits; Fall, Spring, Summer)

Includes three, four-week integrated modules: adolescent development, diverse learners including those with disabilities, and literacy in the content areas. Includes one hour/week in the field conducting an action research project. Meets Pennsylvania teaching standards relating to the needs of diverse learners and includes introduction to theory, identification and instructional strategies to address these needs.

Prerequisites: ED 110b or permission of the instructor.

314

Assessment of Teaching and Learning

(4 credits; Fall)

Survey of assessment procedures. Focuses on current issues and improved competency in devising assessment procedures. Prepares secondary school teachers to develop a balanced program of evaluation which will increase instructional effectiveness and assess student learning. A self-paced, individualized course.

Prerequisites: ED 110a or ED 110b

315

Differentiated and Individualized Instruction: Teaching and Reaching All Learners

(4 credits; Fall, Spring)

This course is designed to teach future teachers how to create a repertoire of teaching strategies to differentiate and individualize instruction to meet the academic needs of every student in their classrooms. Topics will include development of Individual Education Plans (IEPs),

differentiated instruction, universal design for learning, adaptations, modifications, and assistive technology. (ED 214 or ED 313)

319

Social Studies Methods (K-6)

(4 credits, Fall; Spring)

Students will gain skills in planning, implementing, and assessing social studies curriculum in K-6 classrooms. Using the Pennsylvania Academic Standards in Social Studies as a guide students will thematically thread social studies concepts through multiple subject areas.

Prerequisite: ED 110a

320L

Field Experience III

(0 credit; Fall, Spring)

An integrated 13 week field experience incorporating content specific to the teaching of social studies. Pre-service teachers work with students in small group settings and have the opportunity for whole teaching and collaborative lesson planning in social studies. Taken in conjunction with ED 319.

322

Instructional Techniques in Early Childhood

(4 credits; Fall)

Examination of the teaching strategies used in education of young children. Explores the relationship of child development to all areas of the early childhood curriculum from a wide spectrum of strategies. Includes the use of observational tools, lesson planning with an understanding of the process involved, analysis of teacher behavior, parent-teacher relationships, and environmental planning. Requires field experience.

Prerequisites: ED 110a, ED 212.

323

Early Intervention

(4 credits; Spring)

Provides an overview of innovative practices in programming for preschool children with special needs. An ecological, integrative, actively based model of service delivery is emphasized throughout. Philosophical, historical and legal foundations are covered as are current issues and trends in the field. Course objectives are met through lectures, class discussions, student projects and class activities. Requires field observations.

324

Elementary Science Methods

(4 credits; Fall, Spring)

Students will work as scientists, curriculum developers, and teachers of science, through an

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inquiry-based approach. Students will experience scientific inquiry first-hand, then design an inquiry investigation for children, and finally, they will guide children in their field placement through a scientific inquiry investigation.

337

Developmental Content Area Reading

(4 credits; Fall, Spring, Summer)

For Secondary Certification and Art Education majors. Examination of reading and learning from texts as processes. Analysis of strategies for teaching reading and writing in content areas, selecting texts and study strategies.

Prerequisites: ED 110a or ED , ED 212

375

Managing an Inclusive Classroom

(4 credits; Fall, Spring)

This course is designed to teach future teachers to manage their classrooms and challenging behaviors including noncompliance, disruption, inattention and aggression. Proactive strategies from the basic (routines, rules, attention, consistency) to the instructional (chunking work, grouping, marking corrects) are taught. Students learn to use a problem-solving approach with an emphasis on using observations, interactions, progress monitoring, and teaching social skills. The basics of prereferral intervention, instructional support teams, Individualized Education Plans (IEPs) and the use of paraprofessionals in the classroom for behavior management are covered. Fieldwork required.

Prerequisite: Elementary Education and Early Childhood Education majors: ED 110a, ED 212, ED 214, ED 216, ED 217; Secondary Education majors: ED 110b, ED 313

388

Survey of Day Care

(4 credits; Fall)

Examination of the social, emotional and cognitive growth that can be facilitated by a young child's experience in day care.

Prerequisite: permission of the instructor.

389

Independent Study

Individualized study tailored to suit the needs and interests of a limited number of juniors or seniors. Encourages limited experimental research activities. Each student works under the guidance of a faculty member assigned by the Department Chair.

Prerequisite: permission of the Department Chair.

411

Designing Learning Environments

(Credits: 4 Day)

Integral part of the student teaching experience for secondary education. Investigates areas relevant to the specific student teaching situation such as development of curricula, testing and evaluation techniques, classroom management and using audio-visual materials. **Prerequisites:** senior standing and admission to student teaching; or permission of the secondary education adviser.

412a

Curriculum and Methodology for Grades 7-12: English

(4 credits; Fall, Spring, Summer)

Examination of instructional strategies and techniques for teachers of English, grades 7-12.

Prerequisite: ED 411

412b

Curriculum and Methodology for Grades 7-12: Social Studies

(4 credits; Fall, Spring, Summer)

Examination of instructional strategies and techniques for teachers of Social Studies, grades 7-12.

Prerequisite: ED 411

412c

Curriculum and Methodology for Grades 7-12: Mathematics

(4 credits; Fall, Spring, Summer)

Examination of instructional strategies and techniques for teachers of Mathematics, grades 7-12.

Prerequisite: ED 411

412d

Curriculum and Methodology for Grades 7-12: Science

(4 credits; Fall, Spring, Summer)

Examination of instructional strategies and techniques for teachers of Science, grades 7-12.

Prerequisite: ED 411

416

Student Teaching: Elementary or Elementary and Early Childhood Education

(12 credits; Fall, Spring)

Full-time teaching for a minimum of 14 weeks in an accredited day care center or school under the direction and guidance of an experienced cooperating teacher and an Arcadia University supervisor. Requires attendance at weekly seminars with the supervisor. Students must provide transportation to the school.

Prerequisite: GPA of 3.0 or higher, senior standing and permission of the Coordinator of Field Placement and Supervisor. Applications

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must be submitted early in the fall semester of the senior year for placements in the spring of the senior year. Students planning to student teach in the fall semester must apply in the spring semester prior to student teaching.

417

Student Teaching: Secondary

(12 credits; Fall, Spring)

Full-time teaching for a minimum of 14 weeks in an accredited middle and secondary school under the direction and guidance of an experienced cooperating teacher and an Arcadia University supervisor. Requires attendance at weekly seminars with the supervisor. Students must provide transportation to the school.

Prerequisite: GPA of 3.0 or higher, completion of all Praxis series certification tests, senior standing and permission of the Coordinator of Field Placement and Supervisor. Applications must be submitted early in the fall semester of the senior year for placements in the spring of the senior year. Students planning to student teach in the fall semester must apply in the spring semester prior to student teaching.

418

Human Development: School Years K-12

(3 credits, Fall, Spring)

Examination of cognitive, social, emotional and physiological development during childhood and adolescence.

419

Undergraduate Student Teaching Practicum, Art Ed, K-12

(8 credits; Fall, Spring)

Student teaching practicum to include 14 weeks of full-time teaching in an accredited school and attendance at nine on-campus seminars. Includes supervision by an Arcadia University faculty member. Students must provide transportation to the school. Applications are due at the beginning of the semester prior to student teaching. Deadline dates are Oct. 1 for the spring semester and Feb. 1 for the fall semester.

Prerequisites: AE 300, 308, and senior standing.

422 (Graduate version ED 622)

Teaching Multilingual and Cultural Literacies

(3 credits; Fall, Spring)

This course focuses specifically on the academic language needed for English language learners (ELLs) to be successful in U.S. schools. Students utilize a “pedagogy of multiliteracies” and the “continua of biliteracy” perspective to imagine curricula and pedagogy for their students. The course also emphasizes the connections between in-school and out-of-school literacies. In addition, students spend time investigating

reading and writing standards and curricula and the ways that materials might be adapted for ELLs and ELLs with disabilities. Students either tutor ELLs or demonstrate a literacy activity for classmates.

424

ESL: Understanding Language Learning

(Spring, Summer)

This course addresses the processes of language learning from a variety of perspectives and engages students in an understanding of the structure and sound systems of English in relation to other languages and in relation to a variety of teaching strategies. By focusing both on a comparison of language structures and sound systems as well as theories of second language acquisition and development, this course allows students to learn about differences between learning a first and a second language and the influences of these processes on instructional principles and strategies. This course includes an intensive language learning component for students in the course that will allow them to reflect on their own learning processes in relation to language learning theories and to compare English to another language.

ENGINEERING (3+2 and 4+2)

at Arcadia University and Columbia University

Global Perspectives...Personal Attention...Real-World Integrative Learning Experiences

This is a Combined Program with Columbia University in New York.

Advisers

Professor

Dr. Chester M. Mikulski

Associate Professors

Dr. H. Stephen Huber (Coordinator)

Dr. Carlos W. Ortiz

Degrees

Five-year 3+2 program: Bachelor of Arts or Science in Mathematics, Computer Science, Chemistry, or individual major in Applied Physics from Arcadia University and Bachelor of Science in Engineering or Applied Science from Columbia University

Six-year 4+2 program: Master of Science in Engineering from Columbia University and Bachelor of Arts or Science in Mathematics, Computer Science, Chemistry, or individual major in Applied Physics from Arcadia University

Pathways to Study Abroad in Engineering

Students can elect to spend a semester or year studying abroad. In conjunction with their adviser and the Chair of the Department, students in their sophomore or junior year can enroll in classes at foreign universities. Credits for these courses transfer to Arcadia in order to fulfill Undergraduate Curriculum and/or upper-level Chemistry requirements.

Arcadia University has special arrangements with universities in England, Scotland, Wales and Northern Ireland, Australia, Ireland, Spain and New Zealand that offer Chemistry and Biochemistry courses.

Visit the University's Web site for Pathways to Study Abroad (www.arcadia.edu/pathways) and suggested course sequences. Since it is important that students plan ahead for study abroad, they should consult with their advisers as soon as possible and make their intentions

known to the Department Chair and the Director of International Services.

About the Engineering Program with Columbia University

- Five-year option for two bachelor's degrees
- Six-year option for bachelor's and master's degrees
- Opportunities to study abroad at some of the top universities around the world

Arcadia University offers a combined five-year (3+2) Engineering Program with Columbia University in New York. This plan blends a strong liberal arts, science and mathematics foundation with an intensive engineering curriculum. The program prepares students for careers in industry or graduate work in engineering, mathematics, or the physical sciences. The program qualifies students to take the examination for professional engineers.

Typically, students complete the first three years at Arcadia University in programs in Mathematics, Computer Science, Chemistry, or an individualized major in Applied Physics. Upon recommendation of the program adviser, students then transfer to Columbia University for two years of advanced engineering study.

Upon completion of the five-year program, students are awarded the Bachelor of Arts degree from Arcadia University and the Bachelor of Science degree in Engineering or Applied Science from Columbia University.

Under the combined plan, a student may elect to pursue any one of the following programs at Columbia University:

- Applied Mathematics
- Applied Physics
- Biomedical Engineering
- Chemical Engineering
- Civil Engineering and Engineering Mechanics
- Computer Engineering
- Computer Science
- Earth and Environmental Engineering
- Electrical Engineering

ENGINEERING at Arcadia University and Columbia University

- Engineering and Management Systems
- Industrial Engineering and Operations Research
- Materials Science and Engineering

Master's degree option: It is also possible for students to complete a four-year bachelor's degree program at Arcadia University and then take two additional years at Columbia University for a Master's Degree in Engineering.

2. For the combined program in Biomedical Engineering and Chemical Engineering: Physical Chemistry and/or Organic Chemistry

Students must satisfy all degree requirements of a major at Arcadia University. (Please see individual departmental sections.)

Since Columbia's requirements may change, students are encouraged to consult Columbia University's Web page for the 3+2 program or an engineering adviser.

Requirements for the Combined Program in Engineering

(112–120 credits at Arcadia University; two years at Columbia University)

1. Four courses in Mathematics
 - MA 201 Calculus I
 - MA 202 Calculus II
 - MA 203 Calculus III
 - MA 352 Differential Equations
2. One course in Chemistry
 - CH 101 Modern Chemical Concepts I
 - Strongly Recommended
 - CH 102 Modern Chemical Concepts II
3. Two courses in Physics
 - PH 211 Conceptual Physics I
 - PH 212 Conceptual Physics II
4. The following two courses:
 - EC 210 Principles of Macroeconomics
 - CS 201 Problem-Solving with Algorithms and Programming I (Java)
5. Electives that would satisfy the Undergraduate Curriculum requirements of Arcadia University.

Additional Requirements

1. For the combined program in Applied Math, Applied Physics, Chemical Engineering, and Electrical Engineering:
 - PH 324 Atomic Physics
 - One additional 300-level Physics course.

English

at Arcadia University

Global Perspectives...Personal Attention...Real-World Integrative Learning Experiences

Faculty

Professors

Dr. Pradyumna S. Chauhan
Dr. Hugh H. Grady
Dr. Richard A. Wertime

Associate Professors

Dr. Shekhar A. Deshpande
Dr. Thomas Hemmeter
Dr. Lisa Holderman
Alan Powell
Dr. Jo Ann Weiner (Chair)

Assistant Professors

Dr. Sandra M. Hordis
Dr. Jennifer Matisoff
Dr. Elizabeth Vogel
Mark Wade

Adjunct Professors

Dr. Dorothy Baer
Tyler Doherty
Laura J. Fitzwater
Gretchen A. Haertsch
Quincy Jones
Dr. Anne Kaier
Judith C. McKeon
Holly Neibauer
Mary Lou Roberts

Instructors

Helene E. Klein
William A. Meiers

Degree

Bachelor of Arts in English

Option

Secondary Education Certification

Minors

Creative Writing
English
Professional Writing

Related Graduate Study at Arcadia University

Master of Arts in Education with a
Concentration in Written Communication
Master of Education with a Concentration in
Secondary Education with English
Certification
Master of Arts in English
Master of Arts in Humanities

Pathways to Study Abroad in English

The English Department actively encourages its majors to study abroad, primarily in England, Scotland, Wales, Ireland, Australia and New Zealand. Generally, the junior year is the most convenient time for English majors to study abroad for either one semester, one summer or an entire academic year. With prior approval, students can take courses to fulfill many Undergraduate Curriculum requirements. Many required major courses can be taken abroad. The Capstone Seminar, EN 490, however, must be taken in Glenside.

Visit the University's Web site for Pathways to Study Abroad (www.arcadia.edu/pathways) and suggested course sequences. Since it is important that students plan ahead for study abroad, they should consult with their advisers as soon as possible and make their intentions known to the Department Chair and the Director of International Services.

About the Bachelor of Arts in English

- Preparation for graduate school in English, law, library science, and journalism
- Preparation for teaching at the high school and college level
- Preparation for careers in research, communications, government, publishing, editing, public relations and business
- Opportunities to work with faculty and alumni creative writers
- Opportunities to work with leading literary theorists
- Required career internship
- *Gargoyle* literary magazine
- Opportunities to study abroad at some of the top universities around the world

The English program consists of the study of literature and the practice of various modes of writing to help students discover their own ideas and articulate them as completely and cogently as possible. All courses stress critical thinking and problem-solving as essential

English at Arcadia University

aspects of the composing and interpreting process.

In addition to the wide selection of writing courses, the program offers courses that approach literature from thematic, biographical, formal, historical and socio-cultural perspectives. In these courses, literature is explored in its relation to the past and its relevance to people's lives in the present. A career internship is required for all English majors.

Bachelor of Arts in English

The Bachelor of Arts in English prepares students to teach at the secondary or college level or to enter professions in research, communications, government, publishing, editing, public relations and business. The program also prepares students for graduate study in English, law, library science or journalism.

Minor in English

The minor in English prepares students to read critically and write clearly. It includes courses in literary interpretation and professional writing and/or creative writing.

Minor in Professional Writing

The minor in Professional Writing is designed to prepare students for specialized writing in many professions.

Minor in Creative Writing

The minor in Creative Writing gives students an opportunity to develop their poetry and/or fiction writing skills and to engage in peer critique of their work.

Requirements for the B.A. in English

(56 credits as listed below, with Undergraduate Curriculum requirements and electives to total a minimum of 128 credits)

1. Eleven courses in English

EN 199	Interpreting Literature
EN 299	Interpreting Literature II
EN 320	Studies in Classical and Medieval Europe

EN 321	Studies in the European Renaissance and Enlightenment
EN 322	Modern British Literature
EN 323	Modern American Literature
EN 490	The World, the Text, and the Critic

Four English electives, at least two of which must be in literature at the 200 level and at least two in literature at the 300 level.

2. One course in writing from the following list:

EN 211	Creative Non-Fiction Workshop
EN 212	Writing Poetry and Fiction I
CM 213	Writing and Communications
EN 215	Writing for Careers
EN 217	Journalism I
EN 218	Business Writing
EN 242	Writing Poetry and Fiction II
EN 272	Poetry for Page and Stage
EN 314	Writing for Magazines
EN 315	Technical Writing
EN 316	Writing for the Health Industry
CM 317	Public Relations
EN 318	Journalism II
CM 319	Writing for Radio and Television
EN 343	Writing for Children
EN 372	Special Studies in Writing
EN 373	Writing for the Law
EN 375	Fiction Writing Workshop
EN 376	Poetry Writing Workshop
TH 350	Play and Screenwriting

3. One course in oral performance from the following:

CM 110	Speech Communications
CM 215	Informative and Persuasive Speaking
TH 140	Fundamentals of Acting
TH 141	Role Play and Improvisation
TH 275	Acting and Directing for the Camera

4. Career Internship (Evening students take a second writing course in lieu of the Career Internship.)

EN 371	Career Internship in English
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5. Recommended: Courses in modern language and literature, history, religion, philosophy, art and music, as well as electives appropriate to specific professional objectives, such as a career in business, law, radio or television.

Requirements for the Secondary Education Certification

1. Completion of the certification requirements listed in the Education section of the Undergraduate Catalog.
2. Two additional courses in English
 - EN 334 Introduction to Linguistics and Language History
 - EN 546 Teaching Writing (See Graduate Catalog)
3. One of the following courses in Theater or Communications:
 - TH 130 Introduction to Theater
 - TH 140 Fundamentals of Acting
 - CM 150 Introduction to Film

Requirements for the Minor in Creative Writing

A minimum of five courses (20 credits) in various kinds of creative writing. At least two of the courses must be at the 300 level.

1. Two courses in writing
 - EN 211 Creative Non-Fiction Workshop
 - EN 212 Writing Poetry and Fiction I
 - EN 242 Writing Poetry and Fiction II
 - EN 272 Poetry for Page and Stage
2. Choose any three of the following:
 - EN 314 Writing for Magazines
 - EN 343 Writing for Children
 - EN 372 Special Studies in Writing
 - EN 375 Fiction Writing Workshop
 - EN 376 Poetry Writing Workshop
 - TH 350 Play and Screenwriting

Requirements for the Minor in English

A minimum of five courses, or 20 credits, in English above EN 102, including two literature courses and two writing courses. At least one of these courses must be at the 300 level.

Requirements for the Minor in Professional Writing

A minimum of five courses, or 20 credits, in English and/or Communications with a focus on professional writing. At least two of the courses must be at the 300 level.

1. Choose from the following:
 - EN 211 Creative Non-Fiction Workshop
 - EN 213 Writing and Communications
 - EN 215 Writing for Careers
 - EN 217 Journalism I
 - EN 218 Business Writing
 - EN 221 Editorial Writing
 - CM 235 Organizational Communications
 - EN 314 Writing for Magazines
 - EN 315 Technical Writing
 - EN 316 Writing for the Health Industry
 - CM 317 Public Relations
 - EN 318 Journalism II
 - CM 319 Writing for Radio and Television
 - EN 372 Special Studies in Writing
 - EN 373 Writing for the Law
 - EN 374 Grant Writing for Non-Profits

English Courses (EN)

100

Basic College Writing

(4 credits)

Basic course in the process of writing and reading. Addresses special needs and problems on an individual basis. Required of all first-year students whose writing inventories indicate the need for special attention. For these students, this course is a prerequisite for EN 101.

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101

Thought and Expression I

(4 credits; Fall, Spring)

Practice in writing for various academic aims and audiences. Includes a supervised process of invention strategies, first draft, revised drafts, final editing, and at least one assignment in library research and proper forms of documentation. Encourages peer reviews, small-group problem-solving activities and in-class discussions of interdisciplinary readings.

Incorporates special events each semester: e.g., poetry or fiction readings, public lectures, theater performances. Required of all first-year students.

Prerequisite: For some first-year students (freshmen), EN 100 or EN 103.

102

Thought and Expression II

(4 credits; Fall, Spring)

Continuation of EN 101 following the same basic format. Includes interdisciplinary reading and writing assignments and greater emphasis on library research. Required of all students who do not take a Research Writing-designated course in another department.

Prerequisite: EN 101.

103

English for International Students

(4 credits; Fall, Spring)

Special program of study for international students whose mastery of English is not yet sufficient to meet the entrance requirements for EN 101.

107

Human Dilemmas: A Literary Perspective

(4 credits)

Exploration of genres of poetry, short story, drama and film as ways of representing and working through human problems. Focuses on a core issue, problem, or theme chosen by the instructor. Class discussions include students' analyses of personal experiences as a further means of understanding the thematic focus of the course.

113

Popular Literary Classics

(3 credits)

Analyzes modern literary works that were both popular and critical successes, exploring the thematic and rhetorical features that led to their wide appeal, and comparing these criteria to those of literary scholars. Texts include American and British works of fiction, autobiography, poetry and drama, as well as pertinent critical essays and book reviews offering insight into the nature of commercial and critical reception of literature.

Classes involve discussion of themes, styles, milieu and place in literary history.

115

The Business World in American Literature

(3 credits)

The course surveys American novels, stories and plays about the world of business. It analyzes the effect of business on a personal sense of success and self-worth.

199

Interpreting Literature

(4 credits, day; Fall, Spring)

(3 credits, evening)

Introductory course to develop the ability to read and write critically about literature. Analyzes the relationship of literary form to thematic and rhetorical function through examination of poetry, drama and prose fiction. Includes some use of research material in the field. Required of English majors.

200

Critical Reading/Writing Workshop

(2 credits)

Focuses on composing, analyzing and revising drafts, especially in the peer review process. Includes readings in the theory and practice of peer-reviewing, motivation and resistance, role-playing and other group activities, examination of student papers. Open to all sophomores, juniors and seniors. (Pass or no credit.)

203

Literacy Tutoring for Adult Learners

(2 credits)

An introduction to methods of literacy tutoring for adult learners, including intensive preparation in methods of tutoring, the nature of cross-cultural communication, and the nature of literacy learning. Includes a service-learning experience providing classroom preparation followed by field experience tutoring adults in the area, with ongoing guidance through seminar discussions.

211

Creative Non-Fiction Workshop

(4 credits)

Intermediate-level writing course. Emphasizes the principles, processes and skills that are fundamental to both academic and professional writing. Attention to analysis, argument, exposition and critique. Includes formal instruction in grammar, punctuation and mechanics. Frequent writing assignments plus an independent project.

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212

Writing Poetry and Fiction I

(4 credits)

Practice in poetry and fiction writing skills. Includes regular submission of written work for peer and instructor critique. Analysis of published poems and short fiction for style, interpretation and techniques in relation to subject and intention.

215

Writing for Careers

(4 credits; Fall, Spring)

Intensive study of the writing demands in business, industry and government. Includes manuals, reports, correspondence, carefully designed visuals, job application letters, resumes and other projects. Emphasizes writing that is practical, rhetorically and stylistically effective and authentic. Focuses on the writing process and small-group problem-solving. Requires oral presentations.

216

Writing Workshop

(3 credits)

Practice in writing essays, with attention to individual needs. Includes frequent assignments in various types of expository prose, ranging from feature articles and persuasive essays to reviews of plays and films. Emphasizes clear, interesting writing and the adjustment of style to subject matter and audience. Provides experience in revising and editing one's own work in response to peer and instructor commentary (open to evening students only).

Prerequisite: EN 101. Credit is not given for both EN 216 and 213.

217

Journalism I

(4 credits)

Introduction to the basic elements of Journalism. Includes newspaper and magazine writing, investigative reporting, editing, layout and the ethics of journalism. Covers all aspects of print journalism.

Prerequisites: Sophomore standing.

218

Business Writing

(3 credits; Fall, Spring)

Practical experience in writing for business with rhetorical sophistication, grammatical competence and a strong sense of what is and is not good English prose style. Emphasizes typical business and industrial reports and correspondence.

Prerequisite: EN 111.

219

Literary Themes and Forms

(4 credits)

Intensive study of a selected genre or theme in an informal lecture-discussion format. Possible topics: Humankind's Relation to Nature, Love through the Ages, The Short Novel, Law and Literature, and Detection Fiction. May be taken more than once for credit when topics vary.

220

Selected Authors

(4 credits)

Critical reading of texts by one or more major dramatists, fiction writers, or poets. Focuses on the stylistic, structural and thematic developments in each writer's work. May be taken more than once for credit when topics vary.

221

Editorial Writing

(4 credits)

Provides insight into researching, writing, and marketing Editorials and Op-Eds and an understanding of the structure and functions of the newspaper editorial board.

224

Native American Fiction

(4 credits)

This seminar course introduces students to some of the most significant contemporary short stories, novels and poetry by Native American writers since the mid-1960s, including works by N. Scott Momaday, Leslie Marmon Silko, Simon J. Ortiz, Michael Dorris, Sherman Alexie, Louise Erdrich and others. Students examine the Native American "experience" in, and view of, contemporary society.

225

Introduction to Gay and Lesbian Fiction

(4 credits)

This intermediate-level course provides an introduction of gay and lesbian literature from the beginning of the 20th century through the present. Authors such as Forster, Baldwin, and Highsmith are used to study the progression of gay literature over the course of a century. Assignments and discussion consider the literature and its relationship to and impact upon the history, society, and culture of the day.

226

Detective Fiction

(4 credits)

A survey of different forms and sub-genres of suspenseful fiction, including texts that range from short, classic mysteries to hardboiled novels to police procedurals. Exploration of, among other concepts, justice and law and the difference

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between the two. Texts from different nations and different historical periods reflect and/or create shifts in cultural, social and literary values. Online discussion boards, short analytical papers and a longer final project that incorporates background research.

Prerequisites: EN 101

227

Philadelphia in Literary and Cultural Context (4 credits)

An English course, Philadelphia in Literary and Cultural Context explores the rich array of expressions about Philadelphia, focusing on diverse writers from different periods, including William Penn, Elizabeth Drinker, Philip Freneau, Edgar Allan Poe, George Lippard, and Frank Webb. Students interpret literary, historical, and cultural texts through interdisciplinary methods, read archival materials about the city, and engage in weekend fieldwork by visiting sites such as the National Constitution Center, the Edgar Allan Poe House, and Eastern Shore Penitentiary. The course culminates at semester's end with a researched project that examines some of the area's metropolitan heritage.

Prerequisites: EN 199 or proof of some background in literary or historical analysis for transfer students and other exceptional cases.

229

Voices of America

(4 credits, day; Fall, Spring)
(3 credits, evening)

The aim of this course is to study the diverse American literary heritage. It explores the relationship of the texts to the intellectual, historical and social conditions that produced them. Will likely include readings from 20th and 21st century authors such as Ralph Ellison, Toni Morrison, Sherman Alexie, Edwidge Danticat and Sandra Cisneros.

230

Survey of African American Literature (4 credits)

This intermediate-level course examines black vernacular texts by authors such as Lucy Terry, Harriet Jacobs, W.E.B. DuBois, Langston Hughes, and Ntozake Shange and considers the impact of history, society, and culture on representative works of poetry, narrative, and drama.

Prerequisites: EN 101 and 102 (or EN 107).

231

African American Short Story (4 credits)

A survey of short stories that reflect different historical moments in the African American community as both it and the nation evolved.

Beginning with African and African American folk tales, the course will include classic stories by such writers as Charles Chesnutt, Jean Toomer, Zora Neale Hurston, and Richard Wright and also contemporary practitioners such as Edward P. Jones and Alice Walker.

Prerequisite: EN 101

233

Shakespeare (4 credits)

Study of selected comedies, tragedies, histories and romances by William Shakespeare. Emphasizes systematic literary and dramatic criticism.

242

Writing Poetry and Fiction II: A Theoretical Approach (4 credits)

This creative writing course explores the practices and works of successful fiction writers and poets, including Mary Oliver, Charles Simic, Robert Bly, Richard Hugo, Joyce Carol Oates, Anne Lamott, and Annie Dillard. Students discuss assigned readings, engage in exercises to improve upon various technical areas of the writing process, utilize a variety of writing theories and techniques in assignments, and participate in workshops for student writing. The course culminates at semester's end with a required portfolio of students' individual works.

Prerequisites: EN 101 and EN 102, and EN 212.1, or proof of some formal background in creative writing for transfer students and other exceptional cases.

272

Poetry for Page and Stage (4 credits)

One-half writing workshop, one-half performance workshop, this course looks at how we can translate our own written work into a stage performance. First, we hold a traditional poetry workshop, discussing both published and student-produced writing. In the second half, we look at various vocal and theatrical techniques to bring the written word to life. Readings include works of Frank O'Hara, Sonia Sanchez, Saul Williams, Ntozake Shange, as well as those of current performance artists. The semester ends in a final public performance.

299

Interpreting Literature II (4 credits, day; Fall, Spring) (3 credits, evening)

An intermediate-level investigation of and practice with strategies of interpreting literary texts. Topics include multiple vs. single interpretations; the problem of subtexts, political and psychological; and the relation among

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history, society and the author. Readings are drawn from fiction, poetry, drama and essays on critical theory. Required for English majors.

Prerequisite: EN 199 or its equivalent.

311

Writing Center Issues

(1 credit; Fall, Spring)

This course helps Arcadia University Writing Center consultants to develop the skills and understanding of Writing Center issues necessary to be effective tutors. Every semester will address a different theoretical perspective or issue, including writing across the curriculum, effective structures of consultations, the rhetoric of student papers and tutoring, conversation models, research writing, and cultural issues in tutoring.

Prerequisite: Students must be employed at the Arcadia University Writing Center as writing consultants.

314

Writing for Magazines

(4 credits)

The course offers a practical introduction to the consumer magazine industry and aims to equip students with the basic skills and understanding necessary to pursue full-time or freelance careers as magazine writers or editors. Students examine all forms of magazine writing from short front-of-book items to department stories to features, perform critical analyses of individual magazines, learn how to develop story ideas into compelling magazine prose, and write effective query or pitch letters. In addition to an overview of the industry, the course provides an understanding of the basic structure of magazines, the different types of stories that magazines publish, and the economic forces driving magazine publishing today.

315

Technical Writing

(4 credits)

Intensive study of technical documents for various careers. Covers catalogue descriptions, descriptions of mechanisms, instructional and procedural manuals, bids, requests for bids, proposals, reports, memos and letters responding to customer inquiries. Emphasizes preparation of effectively written documents for various audiences (from expert to non-expert) and purposes. Presents the integration of graphic and copy elements in well-structured and designed documents. Includes individual and group assignments from a problem-solving approach. Requires portfolios of work in-progress and two spoken presentations.

Prerequisite: Junior standing or above.

316

Writing for the Health Industry

(4 credits)

An intensive writing workshop giving students an overview of the health care communications field. Students become familiar with research tools (including online databases), interview techniques, and the integration of graphics to enhance text. They also develop an understanding of audience and an appreciation for the knowledge base of the intended reader. This course covers the writing and editing of peer-reviewed technical journal articles as well as marketing materials, press releases, newsletter articles, feature and advertising copy.

Prerequisites: Two writing classes above EN 101-102, or permission of the instructor.

318

Journalism II

(4 credits)

Learn the set-up of the newsroom; practice the conventions of news and news features, such as profiles and issue-oriented stories. Fieldwork includes coverage of some live events with emphasis on writing the more complex story, with style, color, flair and substance.

Prerequisite: EN 217 or another course in journalism, or experience in public relations/advanced writing; or permission of the instructor.

320

Studies in Classical and Medieval Europe

(4 credits; Fall, Spring)

A selective study and appreciation of texts from Western antiquity and the Middle Ages that remain influential and alive in our own time. These texts are considered within the cultural contexts from which they sprang and to which they helped give definitive shape. Typically, readings are drawn from the plays and epics of ancient Greece; great Roman authors such as Virgil, Augustine, and Boethius; and such medieval works, genres and authors as Beowulf, the Arthurian romances, Dante and Chaucer.

Prerequisite: Junior standing or above.

321

Studies in the European Renaissance and Enlightenment

(4 credits; Fall, Spring)

A selective study and appreciation of texts from 16th, 17th, and 18th century European literature with a focus on the English tradition and a consideration of the historical contexts of the works studied. Readings are drawn from Renaissance essayists and novelists such as Thomas More, Montaigne, Bacon and Cervantes; Elizabethan and Jacobean dramatists such as Jonson, Shakespeare, and Webster; English lyric

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poets such as Wyatt, Sidney, Spenser, Shakespeare, Donne, and Marvell; major works from later 17th century and Restoration authors such as Milton, Dryden and Congreve; and major figures from the 18th century such as Pope, Swift, Voltaire, Defoe, Fielding and Sterne.
Prerequisite: Junior standing or above.

322

Modern British Literature

(4 credits; Fall, Spring)

Critical reading of major British works of the 19th, 20th, and 21st centuries in the context of cultural history. Readings include works by such writers as Wordsworth, Coleridge, Shelley, Keats, Bronte, George Eliot, Conrad, Woolf, and others.
Prerequisite: Junior standing or above.

323

Modern American Literature

(4 credits; Fall, Spring)

Critical reading of major American works of the 18th, 19th, 20th, and 21st centuries, approaching the texts as products of a specific place and historical experience. Authors such as Emerson, Thoreau, Hawthorne, Melville, Douglass, Twain, Dickinson, James, Faulkner, Frost, Hughes, Sexton, Plath, Miller, Morrison and others.
Prerequisite: Junior standing or above.

329

Narrative Form in Fiction and Film

(4 credits)

Study of narrative forms and structures in film and fiction. Close reading of texts reviews conventional and experimental narrative forms guided by narrative theory. Opportunities for critical and creative responses.

330

Black Cinema

(4 credits)

Examines the cinematic productions of Black filmmakers, including works from Africa and the Caribbean by such filmmakers as Oscar Micheaux, Camille Billops, Ngozi Onwurah, Spike Lee, Julie Dash, Jon Singleton, and Tsitsi Dangaremba. Students view the films, analyze and critique them for their artistic and thematic value, while interrogating the politics of production and distribution specific to black filmmaking.

Prerequisite: EN 101 and 102 (or EN 107) and CM 150 or permission of the instructor.

333

Teaching English as a Second Language

(4 credits)

Introduction to ESL teaching methods. Provides background in lesson planning, cross-cultural communication, selecting English-as-a-second-

language materials, and conducting lessons. Field tutoring experience in practicum with adult literacy learners or second-language students.

334

Introduction to Linguistics and Language History

(4 credits)

Examination of the historical development of the English language and the various approaches to acquisition and use of language. Includes psycholinguistics, sociolinguistics, dialectology, phonology, morphology, schools of grammar, semantics, syntax and stylistics. Surveys contemporary theories, such as speech act theory, concerning the interpretation of language. Does not count as a literature course.

Prerequisite: Junior standing or above.

335

Special Topics in American Literature

(4 credits)

Advanced course in American literature. Topics vary. Possibilities include Transcendentalism, Race in the Literary Imagination, Literature of the Early 20th Century, Slave Narratives, The Jewish Novel, Between the World Wars, American Women Poets and others.

Prerequisite: Junior standing or above.

336

Asian Literature

(4 credits)

Historical introduction to the cultural and literary modes of India, China and Japan through the study and discussion of ancient and modern works of Indian, Chinese and Japanese literature, supplemented by some religious and philosophical texts. Includes such works and writers as the Ramayana, the Gita, Gandhi, Tagore; Confucius, Lao-Tse and recent Chinese poetry and fiction; Noh plays, haiku and *The Snow Country*.

Prerequisite: Junior standing or above.

341

The Slave Narrative

(4 credits)

Students in this course read major slave and neo-slave narratives of the 19th and 20th centuries and examine these works from the dual perspectives of social testimony and literary phenomena. Some of the issues addressed include the genre's evolving response to the conditions of slavery and to the Abolitionist movement, the relation of slave narratives to the rise of realism in American fiction, and the influence of the slave narrative's form on the evolution of African American fiction.

Prerequisite: Junior standing or above.

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342

Ireland in 20th Century Film and Literature

(4 credits)

Intensive study of the myths and realities of 20th century Ireland as represented by seminal works of film and literature. In addition to its examination of the culture of Dublin over the past 100 years, the course guides students through cinematic and literary works, exploring such themes as migration and the myth of the West, colonial and post-colonial political struggles, and the role of women in Irish culture.

Prerequisites: EN 101 and 102 and at least one 200-level literature course; or permission of the instructor.

343

Writing for Children

(4 credits)

An intensive writing workshop focused on the production of publishable fiction and nonfiction for the children's market. The course provides an exploration of the creative process, including invention techniques, drafting, and revision. Plotting, characterization, and the writing of dialogue and description are examined. Students also engage in an in-depth study of the magazine and book publishing markets so they can effectively target their writings to specific publishers. The course includes such practical considerations as the writing of query letters, working with editors and agents, and preparing manuscripts for submission. Does not count as a literature course.

344

Special Studies Seminar

(4 credits)

Seminar on advanced topics in literature. Provides an opportunity for intensive study in areas of special interest. Topics vary. Possibilities include: Discovery of Adulthood in British and American Fiction; Disaster, Death and Madness; Modern and Contemporary Fiction; The Short Story; American Women Writers; Literature after War; The Body in Film, TV and Culture; Culture and Communication; Cinema of Science Fiction; Women's Cinema.

Prerequisite: Junior standing or above. May be taken more than once for credit when topics vary.

346

Russian Fiction

(4 credits)

A survey of Russian fiction, of its themes and narrative techniques, with special emphasis on select works of Pushkin, Gogol, Dostoevsky, Tolstoy, Turgenev, Babel, Pasternak, and Solzhenitsyn. Covers Russian history in outline, from the founding of the Kievan State to the emergence of new Russia. The course

approaches individual works as cultural products of their times.

350

Major Authors Seminar

(4 credits)

In-depth study of the significant work of one or more authors. Focuses on an author's literary development, as well as the relationship between the author's life and work.

Prerequisite: Junior standing or above. May be taken more than once when topics vary.

351

Jane Austen

(4 credits)

Study of Austen's six novels with attention to the culture of Regency England. The course examines the enduring popularity of Austen's works and the growing library of film adaptations of the novels. This course may be taught in a traditional classroom format or fully online.

Prerequisites: Junior standing or above.

352

Alfred Hitchcock's American Films

(4 credits)

An intensive study of the major film works of one of the best 20th century studio directors. Focusing on the cinema produced in his American period, 1943-63, the course guides students through discussion and analysis of such important films as *Shadow of a Doubt*, *Strangers on a Train*, *Rear Window*, *Vertigo*, *Psycho*, and *The Birds*, examining them both as works of cinematic art and as documents reflecting American culture of mid-century America.

Prerequisites: Completion of EN 101 and 102 and at least one 200-level literature course; or permission of the instructor.

353

Mark Twain

(4 credits)

An intensive study of one of America's most famous writers. Students read a selection of his novels, stories and essays to get a sense of how complicated a writer he was. The course also views Ken Burn's documentary on him. This course may be taught in a traditional classroom format or fully online.

Prerequisite: Junior standing or above.

355

Southern Fiction

(4 credits)

Exploration of the fiction of the American South. Focuses on recurring themes in Southern literature. Authors may include Mark Twain,

English at Arcadia University

Faulkner, O'Connor, Lee, Warren, Hurston, Wright, Styron, Welty and Jones.

Prerequisite: Junior standing or above.

360

Contemporary American Autobiography

(4 credits)

Introduces students to the important genre of the memoir. Explores how the memoir explicates childhood, alienation in a multicultural land, alternative (and mainstream) sexuality, homelessness, mental illness and aging. Readings include a selection of recent American autobiographies and memoirs. Students may practice writing their own memoirs.

Prerequisite: Junior standing or above.

361

Seminar: Modern Drama

(4 credits)

Exploration of the styles and techniques of modern theater. Includes selected British, American and Continental plays by modern dramatists such as Ibsen, Strindberg, Chekhov, Shaw, Synge, O'Neill, Pirandello, Brecht, Pinter.

362

Seminar: The Novel

(4 credits)

Exploration of the novel as a literary genre that has eluded precise definition. Focuses on works that represent major stages in the evolution of the genre. Possible authors include Austen, James, Conrad, Joyce, Woolf, Faulkner, Pynchon, Morrison and Byatt.

Prerequisite: Junior standing or above.

363

Seminar: Modernism and Postmodernism

(4 credits)

Critical reading of selected texts, both artistic and rhetorical, to explore the differences between modern and postmodern styles, methods and attitudes in the 20th century. Includes such modernist works as Joyce's *Ulysses* (selections), Eliot's *The Wasteland*, poems by Yeats and Stevens, and Beckett's *Waiting for Godot*, as well as essays by Wimsatt and Jung; postmodern works by such poets as W. C. Williams, R. Lowell, Plath, Levertov, Rich; film directors Fellini, Resnais, W. Allen and essays by Altieri, Fish and Barthes.

Prerequisite: Junior standing or above.

364

Seminar: The Lyric

(4 credits)

Exploration of lyric poetry from the ancient world to the present, with emphasis both on what makes language poetry and on the theory of the lyric form. Includes a historical survey of

highlights of the English lyric. Students write critical and analytical papers and poetry.

Prerequisite: Junior standing or above.

366

Kerouac and His Sources

(4 credits)

A study of central works of Jack Kerouac and several key literary sources he drew on. Includes *On the Road*, *The Dharma Bums*, and the poetry collection *Mexico City Blues*. Influences include others in the Beat Movement such as Allen Ginsberg, Cary Snyder, Diana di Prima; American predecessors such as Ernest Hemingway, Jack London and Walt Whitman; the French Symbolist poets (in translation) Arthur Rimbaud and Charles Baudelaire; and finally the Romantic visionary William Blake.

Prerequisite: Junior standing or above.

371

Career Internship in English*

(4 credits)

The internship is in a supervised professional setting for a minimum of eight hours per week. Includes meetings with other interns and the instructor to analyze and discuss the work experience. Requires a written log and a paper analyzing some aspect of the internship experience as it relates to personal career plans. Interested students must submit a written proposal for an internship before registering for the course. Students also must carry at least 8 additional credits at Arcadia University while enrolled in the internship, unless regularly attending on a part-time basis.

372

Special Studies in Writing

(4 credits)

Advanced seminar course in writing. Topics vary according to the needs and interests of students and faculty. Possibilities include poetry writing workshop, feature writing, editing, professional writing and critical writing.

373

Writing for the Law

(4 credits)

Focuses on writing forms and style used in legal settings and law school. Reports, forms and briefs, as well as research techniques and information gathering using legal resources, are discussed in full.

Prerequisite: Junior standing or above

374

Grant Writing for Non-Profits

(4 credits)

This course introduces the elements of fundraising through grant proposal writing for

English at Arcadia University

nonprofit organizations. Students identify and work with a nonprofit organization to produce a viable grant proposal. In the process, students develop skills in the areas of needs assessment, program development, budgeting, conflict resolution and negotiation, development planning, and discerning organizational strengths and weaknesses. The course also integrates an understanding of the philosophy and practice of philanthropy in the United States. Instructional formats include lecture, group work, writing practice, guest speakers, media analysis, online discussion, and field experience.

Prerequisites: Must have at least EN 101 and a research writing-designated (WR) course. Must be at junior level.

375

Fiction Writing Workshop

(4 credits)

A workshop limited to undergraduate students of junior and senior standing who wish to further their skills, which must be already well-developed, as writers of fiction. Students critique one another's works-in-progress, consider works of fiction by professional writers, and participate in intensive, cumulative workshops on the fine points of writing fiction. Each student must complete a body of work that comprises four finished short stories as well as a series of exercises required of all students in the course.

Prerequisite: EN 212 or the equivalent; or permission of the instructor, which is based on the submission of a portfolio of stories that gives clear evidence of solid training in fiction writing. Students with no prior formal training in fiction writing are not likely to be admitted.

376

Poetry Writing Workshop

(4 credits)

This course equips students with the fundamental tools needed to write effective poetry and to read poetry intelligently. Emphasizes the craft of poetry in a workshop setting where students' efforts are critiqued. Includes a careful consideration of the works of accomplished poets, poetic theory, and the rules of prosody.

Prerequisite: Junior standing or above.

377

Advanced Editing Workshop

(4 credits)

The course aims to develop understanding of grammar and rhetoric in varied written applications (academic, creative, professional), with particular emphasis on editing techniques for these different types of writing. Workshops focus on appropriate editing styles applied to student work.

Prerequisites: Junior or senior standing.

381

Modern British Literature and Culture

(6 credits; Selected Summers)

The seminar begins on the Arcadia campus with study of the historical and philosophic backgrounds and the formal features of select modern English texts. Participants then travel to London. Visits to museums, libraries, cathedrals and the English locales of works.

Prerequisite: Permission of the instructor.

385

Humanities Colloquium

(Spring)

Collaborative study of a specific topic from one of the humanities disciplines. Topics vary from year to year, alternating among the three areas of concentration within the humanities program. May be repeated for credit on a different topic.

389

Independent Study

(Fall, Spring)

In-depth study and research on an individual author, genre, or theme, culminating in a substantial paper or project in creative writing.

Prerequisites: Junior standing or above, a minimum GPA of 3.0 and permission of the Chair.

490

The Text, the Critic and the World

(4 credits; Fall)

Capstone course for senior English majors, exploring contemporary literary theory and cultural criticism. Seminar format, with student reports and an individual term project.

Prerequisites: Senior standing or permission of the instructor.

ENVIRONMENTAL EDUCATION

at Arcadia University

Global Perspectives...Personal Attention...Real-World Integrative Learning Experiences

This is a 3+2 program.

Adviser

Assistant Professor
Dr. Julia Plummer

Degrees

Bachelor of Arts in Biology and Master of Arts in Education with a concentration in Environmental Education (3+2 program)

Pathways to Study Abroad

Students are strongly encouraged to take a semester abroad. Visit the University's Web site for Pathways to Study Abroad (www.arcadia.edu/pathways) for suggested course sequences.

Since it is important that students plan ahead for study abroad, they should consult with their advisers as soon as possible and make their intentions known to the Department Chair and the Director of International Services.

About the 3+2 Environmental Education Accelerated Program

- Accelerated program leading to bachelor's and master's degrees in just five years
- Option to complete in six years
- Preparation for career in environmental education
- Specialized certification for teachers
- Senior research project
- Opportunities to study abroad at some of the top universities in the world

Environmental Education is an accelerated program for students interested in a foundation in the biological sciences leading to a career in environmental education.

The five-year accelerated 3+2 program awards a Bachelor of Arts in Biology and a Master of Arts in Education (M.A.Ed.) with specialized certification in Environmental Education. Students in this program also can work toward

a Pennsylvania teaching certificate in Environmental Education (K-12).

Interested students register as Biology majors with a concentration in Conservation Biology and will complete most required courses for the undergraduate major within their first three years and begin graduate courses in the summer following the junior year.

Senior Capstone Experience: In the senior year, students complete the Senior Seminar in Biology and Psychobiology, which includes their thesis research and its poster presentation.

Upon entry to Arcadia, students must notify their advisers as to their interest in this program and its options to ensure that they take the required sequence of courses. Students must apply for the 3+2 program midway through the junior year and, because this is an accelerated program, must have at least a 3.0 GPA at that time.

In the summer of the junior year, students start taking graduate courses leading toward the master's degree.

Students who do not meet the eligibility requirements of this accelerated program or who want more flexibility in their undergraduate program can take both degrees, the B.A. in Biology and the M.A.Ed. in Environmental Education, in the normal sequence.

Requirements for the B.A. in Biology and the M.A. in Education

(62 credits as listed below, with Undergraduate Curriculum requirements and electives to total 128)

1. Nine courses in Biology
 - BI 101, 102 General Biology I, II
 - BI 201 Evolution and Population Biology
 - BI 204 Genetics
 - BI 211 Comparative Anatomy and Physiology
 - BI 222 Plant Biology
 - or BI 329 Ecology

ENVIRONMENTAL EDUCATION at Arcadia University

- | | | | |
|----|-----|---|--|
| BI | 242 | Biological Research Methods | certification. This program must be worked out with the Science Education Coordinator. |
| BI | 290 | Junior Seminar in Biology and Psychobiology (2 credits) | |
| BI | 490 | Senior Seminar in Biology and Psychobiology (4 credits) | |
2. Two courses in Chemistry
CH 101, 102 Modern Chemical Concepts I, II
 3. Two cognate courses in Mathematics (MA 110 or higher), or Chemistry (CH 201 or higher), or Physics (PH 201, 202, 211, or 212)
 4. Three additional Biology electives at the 300 level. (For some career goals, additional electives may be necessary.)

Master's-Level Courses

(The M.A.Ed. in Environmental Education requires 30 graduate credits.)

1. Two Foundations of Education courses (any course between ED 501 and 510; ED 503 is recommended)
2. A minimum of five Environmental Studies courses
The following courses are offered in cooperation with the Schuylkill Center for Environmental Education:

ES	501	Introduction to Environmental Studies
ES	502	Field Natural History
ES	503	Meteorology
ES	504	Human Ecology: Use of Natural Resources
ES	505	Earth Science
ES	506	Society and the Environment
ES	507	Urban Ecology
ES	510	Introduction to Field Studies
ES	511	Aquatic Ecology
3. Electives and Education Courses may be selected to complete the remaining credits.
4. Culminating Project (ED 596 or ES 589)

Additional courses in Education and Environmental Science will be required if the student is working toward a Pennsylvania

Forensic Science (3+2 leading to master's degree) at Arcadia University

Global Perspectives...Personal Attention...Real-World Integrative Learning Experiences

Faculty

Lawrence A. Presley, Forensic Science
Director and Assistant Professor

Degrees

Bachelor of Arts in Biology
OR **Bachelor of Arts or Bachelor of**
Science in Chemistry
Master of Science in Forensic Science

About the 3+2 Accelerated Forensic Science Program

- Highly selective program for academically talented students
- Bachelor's and master's degrees in five years
- FEPAC-accredited program in Forensic Science
- Guaranteed internship with nation's premier forensic scientists
- Arcadia University-sponsored student participation in professional meetings
- State-of-the-art laboratory facilities
- Personal attention from faculty advisers and opportunities to conduct research with them

This program provides an accelerated pathway through the Undergraduate Curriculum into Arcadia's master's degree program in Forensic Science.

During the first three years of study, a student takes prerequisite coursework and Undergraduate Curriculum requirements. In the fourth year of study, the student completes the senior seminar and Capstone requirements for the undergraduate degree and begins graduate coursework, which is completed in the fifth year.

This pathway allows a student to fulfill all of the Undergraduate Curriculum and major requirements (including completing 128 undergraduate credits) and the requirements of the Master of Science in Forensic Science (38 to 60 credits) in five years. The 3+2 program provides a pathway to ensure that the undergraduate coursework taken by the

student meets the expected prerequisites and required background knowledge for the master's program in Forensic Science.

Arcadia's FEPAC- Accredited Master's Program in Forensic Science

Forensic science is the application of science to the purposes of law. It is highly interdisciplinary by nature and has become a vital part of the judicial and regulatory system in America. Practicing forensic scientists, law enforcement personnel, and criminal justice professionals all recognize the growing need for highly qualified specialists who can execute established and appropriate techniques in the collection, preservation, analysis, and presentation of forensic evidence.

In addition to courses in chemistry and biology, graduate courses concern both general and specific topics in forensic science. The fifth year of the accelerated program includes certain common courses as well as specialization in chemical, biological, and toxicological coursework, internships or research projects. The University sponsors student participation in professional meetings in the final year of the program.

The Master of Science in Forensic Science (M.S.F.S.) is offered by Arcadia University in partnership with the Fredric Rieders Family Renaissance Foundation (FRFRF) and in collaboration with NMS Labs, one of the nation's premier forensic science laboratories. This alliance provides a source of adjunct instructors, a forensic library, invaluable links to the forensic science community—and guaranteed internships with some of the nation's premier forensic scientists. State-of-the-art laboratory equipment is provided at facilities in nearby Willow Grove, Pa.

Program Accreditation: The Arcadia University program is one of only 11 graduate forensic science programs in the nation accredited by the Forensic Science Education Program Accreditation Commission (FEPAC). In addition, all coursework is aligned with the

Forensic Science 3+2 leading to master's degree at Arcadia University

guidelines from the DNA Advisory Board, the Scientific Working Group for the Analysis of Seized Drugs (SWGDRUG), and the American Board of Forensic Toxicology (ABFT).

Advising: Each student admitted into the program is assigned a faculty adviser in either the Biology or Chemistry department. The adviser is involved in helping the student to take the prescribed coursework for admission into the master's program while completing the Undergraduate Curriculum and major requirements necessary for completion of the bachelor's degree. The Director of the Forensic Science program also assists each student with questions and advises him or her.

Expert graduate seminars: The fourth year features 1-credit seminars in which forensic experts address key issues in their fields.

Summer project/internship: After the fourth year, students may engage in a summer external internship opportunity or research project mentored by a faculty member affiliated with the University or its partners.

Admission to the 3+2 Accelerated Program

Students must apply for admission into the 3+2 program directly from high school. Highly selective admissions criteria are used to select academically talented students capable of handling the accelerated schedule.

Applicants must submit an essay of approximately 500 words that answers the following two questions:

1. What interests you in the field of forensic science?
2. Why do you want to be a forensic practitioner?

Before writing the essay, students are strongly encouraged to familiarize themselves with the field of forensic science by exploring the American Academy of Forensic Sciences Web site (www.aafs.org).

Matriculated students will not be accepted into the 3 + 2 program. (Note: Matriculated students can follow the 4+2 Forensic Science program leading to assured admission in Arcadia's master's program for qualified students.)

The profile of the typical successful candidate includes the following:

- High school laboratory science courses in biology, chemistry and physics; Advanced Placement courses if available
- A college-prep math course in each year of high school
- Combined SAT scores of at least 1800, with no individual score below 450
- Students need a "B" average or better to be considered.

At the completion of the third year of undergraduate study, students will be evaluated to ensure that they meet the qualifications to begin graduate coursework. At this point the students must have met the following criteria:

- Completed all major and Undergraduate Curriculum requirements (with the exception of the following courses: BI 340, CH 404, BI 333, BI 490 and CH 490).
- Maintained a 3.25 GPA and have received no less than a "B" in any of the required courses for the graduate program in Forensic Science.
- Earned at least 112 semester hours by the end of the third year.

Students who meet these requirements are permitted to begin graduate coursework in their fourth year of study and enter into the Master of Science in Forensic Science program without having to take the GRE exam.

Students who do not meet these requirements can continue on with their undergraduate education in their fourth year and then apply to the M.S.F.S. program upon completion of their undergraduate degree following standard application requirements.

4+2 Program: Since the 3+2 program is highly accelerated, students who choose to participate at the traditional pace may transfer to the 4+2 program, completing the undergraduate degree in four years with assured admission in the master's program for qualified students.

Advanced Placement, International Baccalaureate, Honors

Each student meets with an adviser after enrolling to review how his or her Advanced Placement credits, International Baccalaureate credits, and/or other college-level credits may apply to the program requirements.

Advanced Placement: Students who have earned scores of 3 or higher on Advanced Placement examinations of the College Board will be awarded credit toward the bachelor's degree for courses comparable to those offered at Arcadia University. Those interested in learning more about Advanced Placement courses or examinations should obtain information from their high school guidance office or by contacting the College Board by phone at 609-771-7300 or online at www.collegeboard.org.

Another means by which incoming students can earn advanced credit is through the College Level Examination Program (CLEP) or Excelsior College Examinations (formerly known as ACT PEP and Regents Examinations). Inquiries about advanced placement and credit should be addressed to the Arcadia University Registrar at 215-572-2100.

International Baccalaureate: Arcadia University reviews and evaluates International Baccalaureate (IB) Higher Level courses on an individual basis. Normally, University course credit is granted for scores of 5 or higher in courses that are applicable to the degree program. Full IB diploma holders also are evaluated on an individual basis. No credit is given for subsidiary-level courses.

Honors Program: Incoming freshmen are evaluated for possible acceptance into the Honors Program based upon the strength of their admissions applications. To be considered for the program, freshman applicants must score 1870 or better on the SAT or 28 or better on the ACT and graduate in the top 10 percent of their class (if their high schools rank students).

Requirements for the B.A. in Biology and the M.S. in Forensic Science

The First Year

Fall Semester (16 credits)

BI	101	General Biology I (4 credits)
CH	101	General Chemistry I (4 credits)
EN	101	English Composition (4 credits)
A First-Year Seminar (4 credits)		

Spring Semester (16 credits)

BI	102	General Biology II (4 credits)
CH	102	General Chemistry II (4 credits)
MA	201	Calculus I (4 credits)
A Global Connections (Intellectual Practices requirement) course (4 credits)		

The Second Year

Fall Semester (20 credits)

BI	201	Evolution and Population Biology (4 credits)
BI	242	Research Methods (4 credits)
CH	203	Equilibrium and Analysis (4 credits)
A University Seminar course (4 credits)		
An Elective or an Undergraduate Curriculum requirement course such as Self and Society (4 credits)		

Spring Semester (18 credits)

BI	204	Genetics (4 credits)
BI	211	Comparative Anatomy and Physiology (4 credits)
A Modern Language course (4 credits)		
A Global Connections Experience (4 credits)		
A Global Connections Reflection course (2 credits)		

The Third Year

Fall Semester (18-20 credits)

BI	325	Cell Biology (4 credits)
BI	222	Plant Biology

Forensic Science 3+2 leading to master's degree at Arcadia University

or BI 329 Ecology (4 credits)
 CH 201 Organic Chemistry
 (4 credits)
 An Elective or an Undergraduate
 Curriculum requirement
 (2-4 credits)

Spring Semester (18 credits)

BI 333 Molecular Biology
 (4 credits)
 CH 202 Organic Chemistry II
 (4 credits)
 BI 290 Junior Seminar (2 credits)
 A Creative Expressions (Area of Inquiry)
 course (4 credits)
 A University Seminar (4 credits)

The Fourth Year

Fall Semester (8 undergraduate credits; 10 graduate credits)

BI 340 Biochemistry (4 credits)
 CH 404 Instrumental Methods of
 Analysis I (4 credits)
 FS 500 Survey of Forensic
 Science (3 credits)
 FS 561A Forensic Science
 Symposium (1 credit)
 FS 505 Forensic Medicine (3
 credits)
 FS 540 Statistical Analysis and
 Biostatistics (3 credits)

Spring Semester (8 undergraduate credits, 10 graduate credits)

An Undergraduate Curriculum requirement
 course, such as a
 Research Writing-
 designated course (4
 credits)
 BI 490 Senior Seminar (4 credits)
 CH 504 Instrumental Methods of
 Analysis II (3 credits)
 FS 502 Law, Evidence and
 Procedure (3 credits)
 FS 504 General Principles of
 Pharmacology (3 credits)
 FS 561B Forensic Science
 Symposium (1 credit)

The Fifth Year

In this year, students take specialized coursework in forensic biology, forensic toxicology, and forensic chemistry and complete a laboratory practicum, external internship, or research project mentored by a

faculty member affiliated with the University or its partners.

Fall Semester (17 graduate credits)

FS 525/526 Forensic Toxicology I and
 II*
 FS 530/531 Forensic Biology I and II*
 FS 535 Forensic Chemistry*
 FS 562A Forensic Seminar Series:
 Special Topics in Forensic
 Science I*

Spring Semester (12 graduate credits)

Internship or research project: In the second semester, students may participate in internal internship practica in Biology, Chemistry and Forensic Toxicology OR an external internship or research project. The internships and/or research projects are completed and presented as part of a Capstone setting.

FS 586 Graduate Practicum in
 Forensic Biology
 (4 credits)
 FS 587 Graduate Practicum in
 Forensic Chemistry
 (4 credits)
 FS 588 Graduate Practicum in
 Forensic Toxicology
 (4 credits)

or FS 583 Graduate Internship in
 Forensic Science
 (12 credits)

Requirements for the B.S. in Chemistry and the M.S. in Forensic Science

The First Year

Fall Semester (16 credits)

CH 101 General Chemistry I
 (4 credits)
 EN 101 English Composition
 (4 credits)
 MA 201 Calculus I (4 credits)
 A First-Year Seminar course (4 credits)

Spring Semester (16 credits)

BI 102 General Biology II
 (4 credits)
 CH 102 General Chemistry II
 (4 credits)

Forensic Science 3+2 leading to master's degree at Arcadia University

MA 202 Calculus II (4 credits)
A University Seminar (4 credits)

The Second Year

Fall Semester (19 credits)

PH 211 Conceptual Physics I (4 credits)
CH 201 Organic Chemistry I (4 credits)
CH 203 Equilibrium and Analysis (4 credits)
BI 101 General Biology I (4 credits)
A Creative Expressions (Area of Inquiry) course (3 credits)

Spring Semester (20 credits)

PH 212 Conceptual Physics II (4 credits)
CH 202 Organic Chemistry II (4 credits)
BI 204 Genetics (4 credits)
A Global Connections (Intellectual Practices requirement) course (4 credits)
A Writing for Physical Sciences course (4 credits)

The Third Year

Fall Semester (20 credits)

CH 407 Polymers and Biopolymers (4 credits)
CH 301 Physical Chemistry I (4 credits)
BI 325 Cell Biology (4 credits)
A Modern Language course (4 credits)
A University Seminar (4 credits)

Spring Semester (18 credits)

CH 305 Inorganic Chemistry (4 credits)
CH 302 Physical Chemistry II (4 credits)
A Global Connections Experience (4 credits)
A Global Connections Reflection course (2 credits)
A Modern Language course (4 credits)

The Fourth Year

Fall Semester (8 undergraduate credits; 10 graduate credits)

CH 403 Biochemistry (4 credits)

CH 404 Instrumental Methods of Analysis I (4 credits)
FS 500 Survey of Forensic Science (3 credits)
FS 561A Forensic Science Symposium (1 credit)
FS 505 Forensic Medicine (3 credits)
FS 540 Statistical Analysis and Biostatistics (3 credits)

Spring Semester (8 undergraduate credits, 10 graduate credits)

BI 333 Molecular Biology (4 credits)
CH 490 Senior Seminar (4 credits)
CH 504 Instrumental Methods of Analysis II (3 credits)
FS 502 Law, Evidence and Procedure (3 credits)
FS 504 General Principles of Pharmacology (3 credits)
FS 561B Forensic Science Symposium (1 credit)

The Fifth Year

In this year, students take specialized coursework in forensic biology, forensic toxicology, and forensic chemistry and complete a laboratory practicum, external internship, or research project mentored by a faculty member affiliated with the University or its partners.

Fall Semester (17 graduate credits)

FS 525/526 Forensic Toxicology I and II*
FS 530/531 Forensic Biology I and II*
FS 535 Forensic Chemistry*
FS 562A Forensic Seminar Series: Special Topics in Forensic Science I*

Spring Semester (12 graduate credits)

Internship or research project: In the second semester, students may participate in internal internship practica in Biology, Chemistry and Forensic Toxicology OR an external internship or research project. The internships and/or research projects are completed and presented as part of a Capstone setting.

FS 586 Graduate Practicum in Forensic Biology (4 credits)

Forensic Science 3+2 leading to master's degree at Arcadia University

FS 587	Graduate Practicum in Forensic Chemistry (4 credits)
FS 588	Graduate Practicum in Forensic Toxicology (4 credits)
or FS 583	Graduate Internship in Forensic Science (12 credits)

A Global Connections Experience (4 credits)
A Global Connections Reflection course (2 credits)

Requirements for the B.A. in Chemistry and the M.S. in Forensic Science

The First Year

Fall Semester (16 credits)	
CH 101	General Chemistry I (4 credits)
EN 101	English Composition (4 credits)
MA 201	Calculus I (4 credits)
A First-Year Seminar course (4 credits)	

Spring Semester (18 credits)	
BI 102	General Biology II (4 credits)
CH 102	General Chemistry II (4 credits)
Writing for Physical Sciences course (4 credits)	
A University Seminar (4 credits)	
An elective (2 credits)	

The Second Year

Fall Semester (19 credits)	
PH 201	Fundamental Concepts of Physics I (4 credits)
CH 201	Organic Chemistry I (4 credits)
CH 203	Equilibrium and Analysis (4 credits)
BI 101	General Biology I (4 credits)
A Creative Expressions (Area of Inquiry) course (3 credits)	

Spring Semester (18 credits)	
PH 202	Fundamental Concepts of Physics II (4 credits)
CH 202	Organic Chemistry II (4 credits)
BI 204	Genetics (4 credits)

The Third Year

Fall Semester (20 credits)	
CH 407	Polymers and Biopolymers (4 credits)
CH 301	Physical Chemistry I (4 credits)
BI 325	Cell Biology (4 credits)
A Modern Language course (4 credits)	
A University Seminar (4 credits)	

Spring Semester (16 credits)	
CH 305	Inorganic Chemistry (4 credits)
CH 302	Physical Chemistry II (4 credits)
A Global Connections (Intellectual Practices requirement) course (4 credits)	
A Modern Language course (4 credits)	

The Fourth Year

Fall Semester (8 undergraduate credits; 10 graduate credits)	
CH 403	Biochemistry (4 credits)
CH 404	Instrumental Methods of Analysis I (4 credits)
FS 500	Survey of Forensic Science (3 credits)
FS 561A	Forensic Science Symposium (1 credit)
FS 505	Forensic Medicine (3 credits)
FS 540	Statistical Analysis and Biostatistics (3 credits)

Spring Semester (8 undergraduate credits, 10 graduate credits)	
BI 333	Molecular Biology (4 credits)
CH 490	Senior Seminar (4 credits)
CH 504	Instrumental Methods of Analysis II (3 credits)
FS 502	Law, Evidence and Procedure (3 credits)
FS 504	General Principles of Pharmacology (3 credits)
FS 561B	Forensic Science Symposium (1 credit)

Forensic Science 3+2 leading to master's degree at Arcadia University

The Fifth Year

In this year, students take specialized coursework in forensic biology, forensic toxicology, and forensic chemistry and complete a laboratory practicum, external internship, or research project mentored by a faculty member affiliated with the University or its partners.

Fall Semester (17 graduate credits)

FS 525/526	Forensic Toxicology I and II*
FS 530/531	Forensic Biology I and II*
FS 535	Forensic Chemistry*
FS 562A	Forensic Seminar Series: Special Topics in Forensic Science I*

Spring Semester (12 graduate credits)

Internship or research project: In the second semester, students may participate in internal internship practica in Biology, Chemistry and Forensic Toxicology OR an external internship or research project. The internships and/or research projects are completed and presented as part of a Capstone setting.

FS 586	Graduate Practicum in Forensic Biology (4 credits)
FS 587	Graduate Practicum in Forensic Chemistry (4 credits)
FS 588	Graduate Practicum in Forensic Toxicology (4 credits)
or FS 583	Graduate Internship in Forensic Science (12 credits)

Forensic Science (4+2 leading to master's degree) at Arcadia University

Global Perspectives...Personal Attention...Real-World Integrative Learning Experiences

4+2 Program Leading to Master of Science in Forensic Science

Liaison to the Undergraduate Departments

Lawrence A. Presley, Assistant Professor
and Forensic Science Director

About the 4+2 Forensic Science Program

Forensic science is the application of science to the purposes of law. It is highly interdisciplinary by nature and has become a vital part of the judicial and regulatory system in America. Practicing forensic scientists, law enforcement personnel, and criminal justice professionals all recognize the growing need for highly qualified specialists who can execute established and appropriate techniques in the collection, preservation, analysis, and presentation of forensic evidence.

The Arcadia University program is one of only 11 graduate forensic science programs in the nation accredited by the Forensic Science Education Program Accreditation Commission (FEPAC).

The Master of Science in Forensic Science program is designed in a modified cohort format, and relevant coursework depends on the background of the students. Chemistry majors spend part of the first year taking the necessary biology courses that they may not have taken; similarly, biology majors take chemistry courses to achieve the proper background in chemistry. The remainder of the first year courses concern both general and specific topics in forensic science and are taken by the entire cohort. The second year also includes certain common courses as well as specialization in chemical, biological, and toxicological coursework, internships or research projects.

The Master of Science in Forensic Science (M.S.F.S.) is offered by Arcadia University in partnership with the Fredric Rieders Family Renaissance Foundation (FRFRF) and in collaboration with NMS Labs, one of the

nation's premier forensic science laboratories. This alliance provides a source of adjunct instructors, a forensic library, invaluable links to the forensic science community, state-of-the-art laboratory equipment, as well as facilities in nearby Willow Grove, Pa.

Minimum requirements for admission to the Master of Science in Forensic Science

Students who begin their undergraduate education at Arcadia University must complete the following prerequisites:

- **Biological Sciences:** three lab/lecture courses, which include General Biology, General Genetics, and Molecular Biology. Anatomy and Physiology are highly recommended.
- **Chemistry:** five lab/lecture courses, which include General, Organic Chemistry, and at least one semester of Analytical/Instrumental Chemistry. Quantitative Chemical Analysis is highly recommended.
- **Biochemistry** is required.
- **Mathematics:** at least one Statistics course.
- **Related coursework:** A course in Ethics highly recommended. A Criminal Justice course also is recommended.
- Achieve a minimum 3.2 GPA overall and a 3.2 in prerequisite courses taken at Arcadia University and elsewhere. A grade of "C" or better must be earned in each prerequisite course. All courses in the various designated areas are included when calculating the prerequisite GPA.
- Achieve a minimum total score of 1,050 on the verbal and quantitative and a 3.5 or higher on the analytic portion of the Graduate Record Examination (GRE), with no single score below 450. The test may be taken in the junior (preferably) and/or senior year.
- Work or volunteer related experience: Knowledge of the profession through internships or research experience is preferred but not required.

Forensic Science 4+2 leading to master's degree at Arcadia University

- A recommendation from the undergraduate Biology or Chemistry Department Chair.
- The number of assured admissions available will be determined on an annual basis. **Note:** The number of allotted assured admissions from the supplying Department will be determined by the Admissions Committee of the Arcadia University Forensic Science program on an annual basis. If the supplying Department exceeds the allotted number of assured admissions, the supplying Department will prioritize the list of applicants.
- Earn a bachelor's degree in Biology or Chemistry from Arcadia University.
- Selected students must undergo an interview with the faculty of the Forensic Science program at Arcadia University for final approval.
- Students who begin at Arcadia University as transfers must meet the aforementioned criteria and:
- Complete a minimum of 15 earned credits per semester—and no fewer than 60 credits over the last four semesters of work at Arcadia University, excluding summers.
- Earn a bachelor's degree in Biology or Chemistry from Arcadia University.
- Successfully complete four of the prerequisite science courses at Arcadia University.

Global Legal Studies (a Majors Abroad Program) at Arcadia University

Global Perspectives...Personal Attention...Real-World Integrative Learning Experiences

Faculty

Professor

Finbarr O'Connor

Associate Professor

Dr. Joan Hulse Thompson (Co-Chair)

Dr. Robert R. Thompson (Co-Chair)

Assistant Professor

Dr. Angela Kachuyouski

Adjunct Professors

Michael Archie, J.D.

Charles Halpin, J.D.

Amy Cox

Degree

Bachelor of Arts in Global Legal Studies

Related Fields of Study

Political Science

Pre-Law (minor)

Options

Secondary Education Certification (in Social Studies)

Minor in International Studies

Related Graduate Study at Arcadia University

Master of Arts in International Peace and Conflict Resolution (4+2 program)

**Master of Arts in International Relations
and Diplomacy** (American Graduate School of
International Relations and Diplomacy in Paris,
France)

Master of Education with a Concentration in
Secondary Education with Certification in
Social Studies

Pathways to Study Abroad

This Majors Abroad Program (MAP) will require at least two semesters of study abroad, normally in the junior year, at one location where law is offered as an undergraduate major and Arcadia students can take at least two law school classes plus two other courses

widely recognized as good preparation for law school. A distinctive and challenging international experience is attractive to law school admissions committees.

Suggested study abroad locations: London School of Economics and Political Science, England; Queen Mary College, University of London, England; University of Essex, England; University of Aberdeen, Scotland; University of Glasgow, Scotland; University of Limerick, Ireland; Queens University in Belfast, Ireland; Australia National University, Australia; University of Wollongong, Australia; Bonn University, Australia; and Victoria University of Wellington, New Zealand. Visit [Pathways to Study Abroad](http://www.arcadia.edu/pathways) (www.arcadia.edu/pathways) for more information and suggested course sequences.

About the B.A. in Global Legal Studies

- Preparation for law school or other graduate programs
- 4+2 with Arcadia's International Peace and Conflict Resolution master's program
- Preparation for careers in public service, education, management
- Preparation for secondary teaching
- Opportunities to travel with Model UN team
- Internships available in Pennsylvania and Washington, D.C
- Parliamentary internships in [England](#), [Scotland](#), [Australia](#) and [Ireland](#)
- Senior Capstone seminar and thesis research project that integrate classroom learning with real-world experiences
- Opportunities to study at American Graduate School of International Relations and Diplomacy in Paris, France
- Opportunities to study abroad at some of the top universities around the world

The Global Legal Studies major focuses on developing skills useful in the study and practice of law, understanding substantive areas of law and legal reasoning, and

Global Legal Studies at Arcadia University

exploring the place of law in both the United States and other societies.

Global Legal Studies is designed to provide undergraduate students with individual courses and study abroad experience that will enable them to better understand both U.S. and world legal issues. It is designed for students who are interested in careers in law and/or international relations.

Students who are unable to study abroad should realize that fact during their junior year and be able to graduate the following year with a Political Science major.

Students who major in Global Legal Studies can minor in any academic discipline, except Political Science or Pre-Law. Arcadia does not require that students have a minor to graduate and no course considered to be part of a student's Global Legal Studies major may be counted again for that student's minor.

This Majors Abroad Program (MAP) will require at least two semesters of study abroad, normally in the junior year, at one location where law is offered as an undergraduate major and Arcadia students can take at least two law school classes plus two other courses widely recognized as good preparation for law school. A distinctive and challenging international experience is attractive to law school admissions committees.

Suggested study abroad locations:

- London School of Economics and Political Science, England
- Queen Mary College, University of London, England
- University of Essex, England
- University of Aberdeen, Scotland
- University of Glasgow, Scotland
- University of Limerick, Ireland
- Queens University in Belfast, Ireland
- Australia National University, Australia
- University of Wollongong, Australia
- Bonn University, Australia
- Victoria University of Wellington, New Zealand.

This major will require a minimum of 46 total credits, of which 29 to 31 will be core courses available on the Glenside, Pa., campus and law and cognate courses taken abroad at an Arcadia University Center for Education Abroad program site. Students in this

interdisciplinary major may not take more than 8 courses (24 to 32 credits) for the major within any one discipline. However, Law and Political Science would be considered separate disciplines for the purpose of enforcing this rule. Other disciplines with required or elective courses in the Global Legal Studies major include: English, Philosophy, Economics, Business, Sociology, Anthropology, and Communications.

Although not required for the major, Global Legal Studies seniors will be encouraged to take the pre-law internship PS 324A and B (2 + 2 credits), either simultaneously or in sequence, especially if they want to qualify for paralegal positions upon graduation from Arcadia. Paralegals often go on to law school in full- or part-time programs, sometimes with their corporate employers paying the tuition. Combining the study of law in another culture with working directly with legal professionals within the United States will provide Arcadia students with solid preparation for law school. Law schools like to have a balance of perspectives and experiences among their first-year students.

Requirements for the Bachelor of Arts in Global Legal Studies

(36 to 46 credits as listed below, with Undergraduate Curriculum requirements and electives to total 128 credits)

1. Three courses in Political Science and Communications

PS	110	Law and the Legal Process
CM	213	Writing and Communications
PS	220	American Constitutional Law

2. Two courses in International Politics from the following

PS	150	Comparative Politics
PS	241	International Relations
PS	243	Introduction to Peace and Conflict Resolution
PS	320	International Law
PS	370	International Human Rights

3. Study abroad for two semesters, completing at least two law school courses abroad and two other courses approved by the Global

Global Legal Studies at Arcadia University

Legal Studies adviser as appropriate for a pre-law curriculum.

4. GLS 490/491 Senior Seminar and Senior Thesis (4 + 4 credits)
5. Electives within the major (two or more courses to total at least 46 credits for the major). Students can tailor their major, study abroad experience, and minor to fit the areas of law that most interest them.

Pre-Law electives with an (*) are recommended for anyone applying directly to law school. These courses are also part of the Pre-Law Minor, which was created with the guidance of the American Bar Association and alumni lawyers. Many electives could be taken abroad as pre-law courses with adviser approval.

BA	201	Financial Accounting (3)*
BA	230	Legal Environment of Business (3)
BA	232	International Environment and Legal Issues for Business (3)
EC	210	Principles of Macroeconomics (3)
EC	211	Principles of Microeconomics (3)*
EN	199	Interpreting Literature (4)
PL	165	Occupational Ethics (4)
PL	175	Ethics (4)*
PL	155	Applied Logic (4) (crucial for the LSAT exam)*
SO	269	Crime and Punishment (4)
CM	215	Informative and Persuasive Speaking (3/4)*
PS	324	Pre-Law Internship and Seminar (2 + 2)*
PS	330	American Political Thought (4)*
PS	340	The Judiciary (4)*

Global Public Health

at Arcadia University

Global Perspectives...Personal Attention...Real-World Integrative Learning Experiences

Faculty Coordinators

Associate Professor

Dr. Andrea Crivelli-Kovach, Chair of
Community Health Programs

Assistant Professor

Dr. Brett Ange

different disciplines and perspectives, including epidemiology, ethics, anthropology, sociology and politics. Students also examine global health analytic frameworks, international institutions, and methods to understand and address health inequities.

Interested students should meet with their major advisers and with the Coordinators of the Global Public Health minor (Dr. Andrea Crivelli-Kovach and Dr. Brett Ange). Participating students must declare their intent through the Registrar's Office.

Program

Minor in Global Public Health

Related Study at Arcadia University

Bachelor of Arts in International Studies

Related Graduate Study at Arcadia University

Master of Public Health (M. P.H.) in
Community Health (42 credits)

Master of Public Health (M. P.H.) in
Community Health with an International
Health Focus (45 credits)

Master of Arts in International Peace and
Conflict Resolution

Related Dual Degree Graduate Programs

Master of Public Health (M.P.H.) and Master
of Medical Science (M.M.S.)

Master of Public Health (M.P.H.) and Master
of Arts in International Peace and
Conflict Resolution (M.A.IPCR)

Master of Public Health (M.P.H.) and
Doctorate in Physical Therapy (D.P.T.)

Master of Public Health (M.P.H.) and Master
of Arts in Counseling Psychology
(M.A.C.P.)

(See Graduate Catalog.)

Requirements for the Minor in Global Public Health

(20 credits as listed below)

The Global Public Health minor consists of 5
courses (typically 20 credits).

1. Four Core Courses (16 credits)

PBH 110	Introduction to Public Health
PBH 120	Global Public Health
PBH 250	Epidemiology: The Science of Public Health
PBH 320	Health Policy and Bioethics

2. One Elective Course (typically 4 credits) chosen from the following courses:

AN 272	Cultures, Conflict and Power
AN 361	Social Change: Globalization and Culture
SO 260	Sociology of Health Care
SO 280	Sociology of AIDS and HIV
SO 286	Health and Human Rights
US 210	Health Psychology

About the Minor in Global Public Health

The minor in Global Public Health provides students the opportunity to learn about public health principles from a global perspective. Public health issues are explored from

HEALTH ADMINISTRATION

at Arcadia University

Global Perspectives...Personal Attention...Real-World Integrative Learning Experiences

Faculty

Professor

Thomas M. Brinker Jr. (Coordinator of Accounting)

Associate Professors

Dr. Wayne A. Morra (Adviser for Economics)

Dr. Tony Muscia (M.B.A. Director)

Assistant Professors

Dr. Annette L. Halpin (Chair)

Dr. Sassan Hejazi (SAP Coordinator)

Joel Wagoner

Dr. Michelle Washington

Instructor

Zaneta Chapman

Full-Time Adjunct

Robert H. Kieserman (Coordinator)

Adjunct Professors

Carolyn M. Ballard

Christopher Cerski

Charles Corace

Glenn Cronin

Dr. Joseph Falzone

Jane Hartman-Frankel

Wick Hannan

Peter Maroney

Anna McAleer

Linda S. Moonblatt

Bonnie Moses

Mary L. Sims

Karen I. Squarrell-Shablin

Degree and Certificate

Bachelor of Arts in Health Administration

Post-Baccalaureate Certificate in Health Administration

Minor

Health Administration

Related Graduate Study at Arcadia University

Certificate in Healthcare Practice Management

Doctor of Physical Therapy

Master of Arts in Education with Concentration in Health Education

Master of Business Administration (M.B.A.) with an International Perspective and a Concentration in Healthcare Practice Management

Master of Medical Science (Physician Assistant)

Master of Public Health

Master of Science in Genetic Counseling

Master of Science in Health Education

Pathways to Study Abroad in Health Administration

Students majoring in the Business/Health Administration and Economics Department are strongly encouraged to spend a semester or year studying abroad. Generally the sophomore and junior years are the most convenient times to study abroad, although the second semester of the freshmen year and the first semester of the senior year also are possibilities. With prior approval, courses taken at foreign universities can be transferred to Arcadia to fulfill Undergraduate Curriculum requirements, including those for the major.

Visit the University's Web site for Pathways to Study Abroad (www.arcadia.edu/pathways). Since it is important that students plan ahead for study abroad, they should consult with their advisers as soon as possible and make their intentions known to the Department Chair and the Director of International Services.

About the B.A. in Health Administration

- Preparation for Arcadia's graduate programs in Physical Therapy, Physician Assistant and Genetic Counseling
- Preparation for clinical careers in health care
- Preparation for careers in health care management
- Preparation for Nursing Home Administrator's certification
- Ability to individualize with a minor
- Internships in health facilities here or abroad
- Opportunities to study abroad at some of the top universities around the world

The provision and management of health care is one of today's fastest growing industries. The Bachelor of Arts in Health Administration program is both challenging and comprehensive.

Students learn specific skills in health administration, business, planning and policy, and the legal management of many health care environments. Recognizing the increasing emphasis on sound business practices within health care environments, the program is built upon a strong business base.

The program is flexible enough to permit students to minor in another discipline and to include a semester abroad or an overseas internship experience.

By taking courses in the sciences and Psychology as electives, students who pursue this program will have the basic requirements needed for Arcadia University's graduate programs in Physical Therapy, Physician Assistant and Genetic Counseling.

The Health Administration program refers opportunities for internships in hospitals, community agencies, private practices, long-term care facilities and social service organizations to supplement academics with on-the-job experience. The program prepares students for the Nursing Home Administrator's license and other certifications.

Senior Capstone Experience: All majors complete a senior thesis project that involves integrating prior knowledge, preparing written

reports, and making a public presentation. For majors in the Department, this requirement is satisfied by successful completion of HA 470 Internship and HA 490 Senior Seminar, both of which are required courses for majors.

Daytime and Evening Requirements

The requirements set forth below are for both the day and evening programs in Health Administration.

Requirements for the Bachelor of Arts in Health Administration

(57 to 60 credits as listed below, with Undergraduate Curriculum and credit requirements for day programs and for evening programs)

1. Five courses in Health Administration

HA	150	Introduction to Health Services
HA	320	Health Care Planning and Policy
HA	385	Selected Topics in Health Administration
HA	470	Internship in Health Administration
HA	490	Seminar in Health Administration

2. Seven courses in Business Administration

BA	201	Financial Accounting
BA	202	Managerial Accounting
BA	230	Legal Environment of Business
BA	340	Principles of Marketing
BA	362	Human Resources Administration
	or BA 363	International Organizational Behavior
BA	369	Management Information Systems
BA	380	Principles of Finance

3. Two courses in Economics

EC	210	Principles of Macroeconomics
EC	211	Principles of Microeconomics

4. Two courses in Mathematics

MA	141	Elementary Statistics
MA	145	Quantitative Models for Decision Making

HEALTH ADMINISTRATION at Arcadia University

or MA201/207 Calculus I/Applied
Calculus I

5. Three courses in related fields. Students select one course from each of the following groupings:

Philosophy

PL 150 Introduction to
Philosophy
PL 165 Occupational Ethics
PL 175 Ethics

Political Science

PS 101 American Politics
PS 230 Health Care and
Environmental Policy

Sociology

SO 247 Aging in Modern Society
SO 260 Sociology of Health Care
SO 280 The Sociology of AIDS
and HIV

6. Recommended courses taken as electives are the following:

BA 362 Human Resources
Administration
BA 363 International
Organizational Behavior
MA 201/207 Calculus I/Applied
Calculus I

Requirements for the Minor in Health Administration

(24 credits as listed below)

The minor in Health Administration is designed to provide non-business majors with an overview of the health care field. Students majoring in Business Administration can minor in Health Administration by completing four courses that are not required for their major. These include: HA 150; HA 320 or HA 385; one course from item "4" below; and Nutrition (HE 581), a Public Health course (PBH) or Independent Study in Health Care.

1. Two courses in Health Administration

HA 150 Introduction to Health
Services
HA 320 Health Care Planning
and Policy

2. Three courses in Business Administration

BA 201 Financial Accounting
BA 202 Managerial Accounting
One Business course chosen in
consultation with adviser

3. Two courses in Economics

EC 210 Principles of
Macroeconomics
EC 211 Principles of
Microeconomics

4. One course chosen from the following:

PL 165 Occupational Ethics
PS 230 Health Care and
Environmental Policy
SO 260 Sociology of Health Care

5. Computer proficiency with spreadsheet, word processing and databases is recommended. **Students who lack this background should take CS 104 or MA 145 Quantitative Models for Decision Making.**

Requirements for the Post-Baccalaureate Certificate in Health Administration

Adviser

**Assistant Professor Dr. Annette L.
Halpin (Chair)**

The program in Health Administration is designed to focus on areas that are important to being an administrator in health care settings. It involves preparation in business, health issues, the liberal arts and an internship in a health care setting.

The Post-Baccalaureate Certificate in Health Administration prepares students to assume administrative positions in organizations such as hospitals, long-term and short-term health care facilities, clinics, health insurance or management companies, and health divisions within companies. The program provides students with background in the ethical, social, quantitative, managerial and functional dimensions of health administration. Many of the program requirements also are prerequisite courses for programs leading to a master's degree in business administration (M.B.A.) or in a health-related area.

(36 credits as listed below)

1. Three courses in Health Administration

HA 150 Introduction to Health
Services

HEALTH ADMINISTRATION at Arcadia University

- HA 320 Health Care Planning and Policy
- HA 470* Internship in Health Administration
- or HA 490 Seminar in Health Administration
2. Seven courses in Business Administration
- BA 201 Financial Accounting
- BA 202 Managerial Accounting
- BA 230 Legal Environment of Business
- BA 340 Principles of Marketing
- BA 362 Human Resources Administration
- or BA 363 International Organizational Behavior
- BA 369 Management Information Systems
- BA 380 Principles of Finance
3. Two courses in related areas
- PL 165 Occupational Ethics
- PS 230 Health Care and Environmental Policy
- SO 260 Sociology of Health Care
4. Prior coursework in microeconomics, social or public policy or government, ethics, statistics and computer applications.

Health Administration Courses (HA)

150

Introduction to Health Services

(3 credits; Fall, Spring)

This foundation course provides an overview of the current health delivery system, including health care institutions, long-term care, health manpower, financing and managed care. Students are also introduced to diverse topics such as quality care, healthcare planning/policy and ethics.

320

Health Care Planning and Policy

(3 credits; Fall)

The theoretical and historical foundations of health planning and policy development as well as current concepts and controversies provide the basis for this course. Case studies provide an opportunity for students to apply both health care strategic planning models and policy development skills.

Prerequisites: HA 150, BA 201, and junior standing.

385

Selected Topics in Health Administration

(3 credits; Spring)

This senior-level course provides the Health Administration major with up-to-date perspectives on current issues such as reimbursement, health care financial management compliance, health care marketing, health care laws, health care ethics, and health care systems design. It is designed to be taken concurrently with HA 490 in the student's last semester.

470

Internship in Health Administration

(3 credits; Fall, Spring, Summer)

The Internship course is designed to allow the student to complete 80 hours of out-of-class work experience in a health care environment. The full-time student has the following three options.

- 1) **Traditional:** In consultation with the employer and the instructor, the student identifies an internship site and undertakes a project in an area of health administration.
- 2) **Administrative Experience:** The student shadows professionals in a health care setting, observing and experiencing the interaction of people and tasks within the organization.
- 3) **Global Small Business Institute (GSBI):** The student works with the GSBI at Arcadia University as a student consultant, providing assistance to a GSBI client in the health care field.
- 4) **Personal Business Plan:** The student researches the health care industry and creates a business plan for an entrepreneurial venture in health administration in consultation with one or more mentors.

Adult learners have an additional option, the **Business Research Project**, where through a combination of research of the business literature and personal interviews, the student provides viable solutions to a health care problem facing his/her current employer.

Prerequisites: BA 340, 369, 380, HA 320, senior standing or permission of the Chair.

490

Seminar in Health Administration

(3 credits; Spring)

This Capstone course in Health Administration requires students to see organizations from a total management point of view and to integrate their learning from prior courses. The students work in teams to generate a business plan for an organization in the health care industry.

Prerequisites: BA 340, 369, 380, HA 320, senior standing or permission of the Chair.

HISTORY

at Arcadia University

Global Perspectives...Personal Attention...Real-World Integrative Learning Experiences

Faculty

Associate Professor

Dr. Geoff Haywood (Chair)

Assistant Professors

Dr. Jennifer Riggan
Dr. Peter Siskind

Adjunct Professors

Dr. Vance R. Kincade Jr.
Dr. James M. Paradis
Dr. Kathleen M. Pearle
Dr. James F. Dinsmore
Dr. Eva Swidler;
Robert J. Wagner

Degree

Bachelor of Arts in History

Minor

History

Option

Secondary Education Certification in Social Studies

Related Graduate Study at Arcadia University

Master of Arts in Humanities with a Concentration in History (See Graduate Catalog.)

Pathways to Study Abroad in History

History majors are strongly encouraged to study abroad for a variety of reasons, including directly experiencing societies being studied, making friendships and connections that can last a lifetime, and practicing foreign language skills. Above all, personal familiarity with foreign cultures is a mind-expanding experience that is extremely valuable in an ever more interconnected world.

History majors who plan to study abroad should do so during the summer, sophomore or junior years only. Freshmen year is typically too soon to make an informed choice of a suitable study abroad site, and senior year requires the completion of a yearlong research project.

Students studying abroad typically do so for one semester. However, some students choose to study abroad for an entire academic year. Ideally, students should choose study abroad courses that fit directly into their academic interests, prospective senior research project ideas, and/or future career goals.

If studying a foreign language or expertise in a foreign language serves future career needs, students are advised to study in a country where that language is used. This is by far the best way to develop foreign language proficiency quickly.

Visit the University's Web site for Pathways to Study Abroad (www.arcadia.edu/pathways). Since it is important that students plan ahead for study abroad, they should consult with their adviser as soon as possible and make their intentions known to the Department Chair and the Director of International Services.

About the B.A. in History

- Opportunities to study at some of the top universities in the world
- Preparation for teaching
- Preparation for careers in law and government
- Preparation for graduate school
- Opportunities to study abroad at some of the top universities in the world

The program in History is designed to expand students' comprehension of the past so that they can understand the present and prepare for the future. By fostering awareness of the multiple influences behind human action, the program aims to reject simplistic explanations of the past.

Stress is put on the global context and interconnectedness of historical events. Lectures, readings in original and secondary sources, group discussion and presentations, fieldwork, research projects and seminars provide a variety of techniques for understanding the world's diverse civilizations and the key turning points in their development and interactions.

The program prepares students for careers in teaching, the law, private employment,

HISTORY at Arcadia University

government service, research and writing, for further study in history on the graduate level, and for responsible citizenship in the contemporary world.

Arcadia University History graduates have gone into management, museum work, marketing, investment counseling, travel and tourism, and many other fields, as well as graduate study in history, law and public administration.

Bachelor of Arts in History

The Bachelor of Arts degree program studies significant events and processes of the past and relates them to the present by examining the changing character of peoples' values, interests, ambitions and critical problems.

Minor in History

The minor in History offers students majoring in other fields the opportunity to draw upon the past in order to broaden their understanding of the present and promotes the development of skills in research, analysis, and communication that are basic to success in any career.

Requirements for the B.A. in History

(11 courses; typically 42–44 credits as listed below, with Undergraduate Curriculum requirements and electives to total 128)

1. Four introductory-level (100-level) courses in History; one introductory-level International Studies course, not including IS 101, may substitute for a History course.
2. HS 201 History Research Writing: to be taken by the end of a student's second year.
3. Four intermediate/advanced-level (200- and 300-level) courses in History. Up to two intermediate/advanced-level International Studies courses, not including IS 490 and 491, may substitute for History courses.
4. Senior Thesis courses
HS 490 (fall); HS 491 (spring) Senior Thesis Seminar

Requirements for the Minor in History

Five courses (18–20 credits) in History chosen in consultation with the major adviser to ensure a valid relationship with the major program where possible.

University Seminar Courses (US)

205

Philadelphia Then and Now

(4 credits)

This course explores metropolitan Philadelphia's past and present in order to examine how history shapes the places in which we currently live, work, and play. The course uses a historical lens through which to view a range of contemporary subjects including: wealth and poverty; suburban sprawl; architecture and space; local literature and visual art; watersheds and other environmental resources; urban politics; regional mass media. Students will explore aspects of urban Philadelphia as well as of Philadelphia-area suburbs and "vacationlands." In addition to doing weekly assigned readings, students will also take individual and group trips to locations around the region and conduct research designed to provide them a more complex understanding of and deeper relationship to the Philadelphia region.

NOTE: US 205 can count toward the History major and minor.

208

Great Trials in History

This University Seminar explores a dozen famous trials chosen to represent conflicts in different areas of intellectual and cultural/social history including philosophy, religion, science, art, and literature. Subjects include Socrates, Galileo, the Salem Witch Trials, John Brown, Oscar Wilde, the Scopes Monkey Trial, Nuremberg, and Robert Mapplethorpe. Texts include books, films, articles, and websites.

NOTE: US 208 can count toward the Criminal Justice, History and Philosophy majors and minors.

History Courses (HS)

101

Ancient Civilization

(4 credits; Fall)

Survey of cultural changes in the Neolithic and Sumerian societies of the Near East, life in Pharaonic Egypt, the world of pre-classical and

HISTORY at Arcadia University

classical Greece, and the growth of Rome from village to Empire.

102

Medieval Civilization

(4 credits; Spring)

Study of the early historical foundations of present-day nations in Europe. Surveys the collapse of the western Roman Empire; Barbarian settlements in Europe; the Byzantine world and problems with the West; the expansion of the Arabic world; and the growth of England, France, Germany and the Papacy.

103

European Civilization: 1347 to 1789

(4 credits; Fall)

Survey of European history from the Black Death to the French Revolution. Focuses on a variety of topics, from the impact of the plague; the age of explorations; Renaissance; Reformation; through to the origins of the scientific; industrial; and French revolutions.

104

European Civilization, 1789 to Present

(4 credits; Spring)

Study of the evolution of modern Europe from the French Revolution to the present. Topics include: rise of nationalism; new political ideologies; imperialism; world wars; consumer and sexual revolutions; the Cold War; the fall of communism; terrorism and the recent turmoil in West/non-West relations.

110

The West in the World, From the Great Voyages of Discovery to 9/11

(4 credits)

This course examines the rise to global power of the West (primarily Europe and North America and their offshoots) after about 1500, its impact on the world, and the response of non-Western societies, until and including 9/11.

117

American History to 1865

(4 credits; Fall)

Summary of the colonial period, followed by more intensive study of the revolutionary, early national and middle periods. Includes lectures, readings and discussions on such topics as constitutional development; territorial expansion; foreign relations; political parties; social, economic and intellectual movements and the origins and course of the Civil War.

118

American History Since 1865

(4 credits; Spring)

Study of the evolution of modern America from the Civil War. Considers the impact on American

life of such developments as reconstruction, industrial growth, overseas expansion, social and political movements, economic depressions and the emergence of the United States as a world power.

120

African American History

(3 credits)

This course includes a brief consideration of African roots and then examines the African American experience throughout American history from colonial days to the present. Special emphasis is given to the periods of Civil War and Reconstruction, Harlem Renaissance, and Civil Rights Movements of the 1950s and 1960s.

125

American Characters

(3 credits; Summer)

Brief survey of American history as seen in the lives and times of representative and significant persons. Includes readings, lectures, discussion and research.

201

History Research Writing

(4 credits)

This course provides students an intensive introduction to discipline-focused research and writing in History. Students are introduced to a variety of types of primary and secondary sources. They learn about how to search for and locate these different sources, how to evaluate them, and how to utilize the sources in their research-based writing. Students learn how to develop research projects from the initial topic of interest through to the final written product; this work includes the generation of research proposals, re-drafting of papers, and practice in formulating different kinds of arguments depending on audience, sources, and written form.

US 205

Philadelphia Then & Now

(4 credits)

See University Seminars listing above.

US 208

Great Trials in History

See University Seminars listing above.

211

The Modern Middle East

(4 credits)

Survey of the history, culture, religion and politics of the region in the modern era. Includes study of the growth of nationalism and creation of sovereign states, the Arab-Israeli conflict and the Palestinian problem, war, terrorism, and the impact of foreign powers.

HISTORY at Arcadia University

216

Modern East Asia

(4 credits)

Compares modern histories of China and Japan. Seeks to explain why China fell into turmoil and turned to communism while Japan embraced modernization to become an economic superpower. Also discusses what life is actually like in each society today, including how Japan has become a global pop culture powerhouse.

218

Modern Africa/South Africa

(4 credits)

Focuses on the nature of the European/African relationship in the age of the slave trade, colonial takeover in the 19th century, recovery of independence in the 20th century, and contemporary problems of wars, ethnic conflict and HIV/AIDS. Discusses how and why European powers were able to take control of the continent and the impact this had on Africa and Africans. Special focus on South Africa and the rise and fall of Apartheid.

222

Civil War and Its Aftermath, 1850-1890

(4 credits)

Intensive examination of the origins and course of the Civil War, Reconstruction, and the emergence of an industrial society on the verge of great power status.

225

World War II

(4 credits)

Survey of the rise of Fascism, Nazi Germany and Japanese expansionist policies leading to World War II. the course of the war; how and why Japan, Italy and Germany were defeated; the peace settlements; and the enduring legacy of the conflict.

228

America as Empire

(4 credits)

This course examines the evolution of the United States' complex relationship with the rest of the world during the 20th and early 21st centuries – both how the United States impacted other nations and how other nations impacted the United States. This history of the United States' multi-dimensional international presence will explore traditional political and military topics but will also trace the flow of such things as money, people, ideas, armaments, consumer products, natural resources, and culture back and forth between the United States and the rest of the world.

234

Modern Russia: Tsars to Stalin

(4 credits)

Study of Russia from the late 19th century to the death of Stalin. Emphasizes the decline of imperial Russia and the rise of the communist regime. The key questions of the course are: Why was there a bloody revolution in 1917? How was communism able to consolidate its grip on Russia? How did Stalin rise to dominate the communist regime for so long? How did all this impact people's lives? What have been Stalin's impact and legacy?

238

Prejudice and Persecution in Western History

(4 credits)

Survey of prejudice and persecution in Western history, focusing on the following: ancient Roman persecution of early Christians; the Great Witch Hunt in early modern Europe; Trans-Atlantic slave trade; Nazi holocaust against the Jews; and the destruction of Yugoslavia in the 1990s.

240

Jacksonian America and Second American Party System

(4 credits)

From 1828 to 1861 dramatic changes came to the United States led by the uniquely American Andrew Jackson. The politics of the country were transformed forever, and many issues that are still debated today were born during this era. This course looks into the political changes and issues that brought about the Second American Party system and the causes of its demise by the Civil War. This course also will look at the reform movements of the period and in some cases those that continue to the present day.

242

America in the 1960s

(4 credits)

This course examines the political, social and cultural history of America during the 1960s era from 1954 to 1974. It considers a range of topics including the civil rights movement, the Great Society, the rise of the New Rights, the debate over Vietnam, feminism and sexual liberation movements, black power, the counterculture, the urban crisis, and white backlash. The course emphasizes the transformation of liberalism, the revitalization of conservatism, and the many tensions that both shaped the social movements of the times and profoundly transformed the nation.

HISTORY at Arcadia University

285

Special Topics in History

(3 or 4 credits)

The content and prerequisites for this course vary on the nature of the topic covered.

325

European Fascism: Fascist Italy and Nazi Germany

(4 credits)

Course focuses on Fascist Italy and Nazi Germany. Origins, nature and demise of fascism are discussed. Particular attention paid to the crisis which produced fascism; the nationalism and racism of the Italian and Germany movements; the nature and impact of each regime; the outbreak of World War II; and the Nazi holocaust against the Jews.

326

Hitler and Stalin—Age of Dictators

(4 credits)

Comparison of Nazi Germany and Stalinist Russia, and of their respective leaders, Hitler and Stalin. This course examines the roots of Nazism and Communism; the personality development of Hitler and Stalin; their rise to power; what they did with their power; their great showdown in World War II; and the legacies and significance of Nazism and Communism to the modern world.

330

Recent America, 1900 to 1945

(4 credits)

Seminar on selected political, economic, social and foreign policy problems in American history from the Progressive Movement to the end of World War II. Includes supervised reading, research and group discussions.

331

Contemporary America, 1945 to Present

(4 credits)

Intensive seminar examining the events and issues of the post-war era. Possible topics for research and discussion include the Cold War, the Fair Deal, McCarthyism, Vietnam, the New Left, Watergate, Reagan and the revival of conservatism, the end of the Cold War, and America's new status as the world's sole superpower.

335

The Vietnam Wars

(4 credits)

This course examines the origins, experiences, and consequences of the Vietnam War. Readings, discussions and assignments will focus on the political, social, and military forces that shaped the contours of the conflicts between 1945 and 1975. Central themes include the

emergence and evolution of Vietnamese nationalism, the global Cold War, the American anti-war movement, and how tens of millions of Southeast Asian and American lives were transformed by the conflicts. In addition, significant attention also is paid to the ways that the war has continued to have an important impact in the years since the cessation of fighting – from Vietnam's postwar economic development and lingering social and environmental scars to the United States' Vietnam-influenced foreign policy, domestic politics and popular culture.

340

Ancient Greece, Homer to Alexander the Great

(4 credits)

Introduction to the culture and personalities of the classical Greek world. Focus is on the achievements of ancient Greek civilization until Alexander the Great's conquests. Topics include: the emergence of Greek civilization; Homeric literature; the rise of Athens and Sparta; the wars against Persia; the flowering of classical culture; the Peloponnesian War; everyday life; sexuality; the status of women; the rise of Alexander the Great and his imperial conquests.

341

Ancient Rome

(4 credits)

The rise and fall of Ancient Rome and the emergence of early Christianity. Topics include: Rome's rise to empire; gladiators; slavery; everyday life and sexuality; persecution of early Christianity; the rise and triumph of the Christian Church; the destruction of the empire by German invasions.

342

The Italian Renaissance

(4 credits)

What was the Italian Renaissance, and what kind of society produced it? This course ranges widely across this famous phenomenon, including art, politics, sex and religion. Topics include: the origins of the Renaissance; Florence, the leading city; Leonardo da Vinci; Michelangelo; the lives of women, and how and why the Renaissance came to an end.

345

Urban and Suburban America

(4 credits)

Seminar exploring the development of urban society in North America from colonial commercial towns to today's troubled network of older metropolitan centers and suburbs. Topics for discussion may include the shaping of modern cities through growth, migration, and politics; cultures—ethnic, class, commercial, and

HISTORY at Arcadia University

otherwise—of the city; suburbanization and the “urban crisis;” and the future of urban America.

350

Turning Points in Western History

(4 credits)

Course examines key turning points in Western History. Begins with Ancient Israel and its religious revolution, through the emergence of the West's global dominance and the responses of indigenous peoples and their struggles for political independence, finally to 9/11 and the current U.S. led war on international terror.

355

The World at War, 1914 to 1945

(4 credits)

Course examines the origins, nature, variety, impact and legacy of the multiple wars in the period from World War I to World War II. Focuses on: World War I; Soviet Russia and communist class warfare; Spanish Civil War; Fascism, /Nazism and war as nationalist-racist expansionism; Japanese imperialism; and World War II.

377

Labor in American History

This course traces the history of labor in America and how economic, technological, and political changes have transformed the nature of work in America. The course readings will explore industrialization, the origins and development of labor organizations, the decline of manufacturing, the rise of a service economy, and the impact of globalization on labor in America.

385

Special Studies in History

(4 credits)

The content and prerequisites for this course vary depending on the nature of the topic covered. Courses have included: The World at War, 1914 to 1945; Turning Points in Western History, Western History, from Ancient Israel to 9/11.

389

Independent Study

(4 credits)

Directed in-depth reading and research devoted to specific topics or periods in history.

Prerequisites: approval of the adviser and Chair.

490, 491

Senior Thesis Seminar

(4 credits each)

A two-semester capstone course. The first semester focuses on research methods and developing a research project. Thesis topics are chosen by students through discussion with the seminar professor. They may take the form of original research-based papers or discussions of

the historical literature on an issue of interest and controversy. The second semester focuses on completing the research project, including an oral presentation.

Prerequisite: senior standing in history; or permission of the instructor.

Interdisciplinary Programs and Courses

at Arcadia University

Global Perspectives...Personal Attention...Real-World Integrative Learning Experiences

Minor in Cinema Studies

Coordinator

Associate Professor
Dr. Shekhar Deshpande

Requirements for the Minor in Cinema Studies

1. One course in Communications
CM 150 Introduction to Film
2. Any three of the following courses:
CM 340 Special Studies in
Communication:
Independent Film in the
U.S., Bond and Beyond
CM 356 World of Work in Popular
Film
CM 357 Media Movies
EN 329 Narrative Form in Fiction
and Film
EN 330 Black Cinema
EN 352 Alfred Hitchcock's
American Films
PL 275 Ethics in Film
SO 240 African American Images
in the Media
3. One additional film course to be chosen in
consultation with the Coordinator of the
minor.

Minor in International Cinema

Coordinator

Associate Professor Dr. Shekhar
Deshpande

Requirements for the Minor in International Cinema

1. The two following courses:
CM 150 Introduction to Film
EN 340 Special Studies Seminar:
International Film
2. Any three of the following courses:

CM	340	Special Studies in Communications: Bond and Beyond
EN	342	Ireland in 20th Century Film and Literature
FR	226	Advanced French through Film
IT	226	Italian Language and Culture through Cinema
SP	326	The Hispanic World Through Film

Minor in Women's Studies

Coordinator

Assistant Professor Dr. Ana Maria Garcia

A minor in Women's Studies offers an in-depth study of women and women's issues from the perspective of different disciplines. Informed by varied feminist paradigms, the minor provides the opportunity to analyze and integrate knowledge from the unique vantage point of gender. Along with core courses in the social sciences and humanities, students can concentrate on critical aspects of women's lives, such as the intersection of race, class and gender.

Requirements for the Minor in Women's Studies

Students are required to select five courses (20 credits) from those listed in conjunction with the Women's Studies Coordinator. Additional relevant courses may be counted toward the minor with the permission of the Coordinator. The interdisciplinary goal is achieved by taking courses that offer knowledge about aspects of women's lives from the perspectives of different disciplines.

AN	150	The Family
AN/SO	220	Social Issues (Different offerings each semester)
EN	344	Special Studies Seminar (American Women Writers)
EN	350	Major Authors Seminar (Edith Wharton)
HS	336	Women in Western Society

Interdisciplinary Programs and Courses at Arcadia University

PS 215	Gender Roles and Family Policy
PY 322	Psychology of Women
SO 229	Women in Society
SO 245	Gays and Lesbians in American Society
SO 250	Sex and Society
SO 270	Feminist Theories

Interdisciplinary Courses (ID)

Note: See Undergraduate Curriculum section for First-Year Seminars and University Seminars.

100

Learning Strategies Workshop

(1 credit; Fall, Spring)

This seminar is designed to assist incoming freshmen with transitional challenges related to university culture and its academic expectations. Students will critically examine themselves as lifelong learners, looking at techniques and strategies to use as they adapt to the structures, routines and expectations of college life. The course traverses theory and practice, by exploring theories of meta-cognition (thinking about thinking), reading and writing and applying these to the learning of college course material.

101

Science in Civilization

(4 credits; Fall)

Science in Civilization is a two-semester course in which students learn and apply basic concepts of physics, chemistry, astronomy, geology and biology. The interrelationship among the fields of science is stressed and concepts are reinforced throughout the year. Basic problem-solving skills are emphasized in both lecture and laboratory. The goal of the course is to produce scientifically literate students who are able to make informed decisions in an increasingly technologically oriented world. Primarily for non-science majors, including those preparing for the teaching profession. Three class hours and three laboratory hours weekly.

Prerequisite: Satisfactory performance on the mathematics placement inventory or successful completion of MA 100 is required.

102

Science in Civilization

(4 credits; Spring)

Science in Civilization is a two-semester course in which students learn and apply basic concepts of physics, chemistry, astronomy, geology and biology. The interrelationship among the fields of science is stressed and concepts are reinforced

throughout the year. Basic problem-solving skills are emphasized in both lecture and laboratory. The goal of the course is to produce scientifically literate students who are able to make informed decisions in an increasingly technologically oriented world. Primarily for non-science majors, including those preparing for the teaching profession. Three class hours and three laboratory hours weekly.

Prerequisite: Satisfactory performance on the mathematics placement inventory or successful completion of MA 100 is required. Satisfactory performance in ID101 or permission of instructor is required for enrollment in ID102.

105

The Bridge: Transition to Academic Success

(Not regularly offered)

Evaluation of interests and motivations of students entering or returning to college. Provides introduction to undergraduate studies through readings and interviews. Presents academic material while developing classroom skills: note-taking, textbook reading, writing, and test-taking. One weekly three-hour meeting.

130

Science and Technology Today I

(3 credits; Offered infrequently)

Science and Technology Today, I and II is a two-semester course in which students learn and apply basic concepts of physics, chemistry, astronomy, geology and biology. The interrelationship among the fields of science is stressed, and concepts are reinforced throughout the year. Basic problem-solving skills are emphasized. The interrelationship between science and other disciplines is included through discussions of philosophical issues, the presentation of scientific advancements in their historic context, and the examination of the interrelationships between art and science. The goal of the course is to produce scientifically literate students who are able to make informed decisions in an increasingly technologically oriented world. Primarily for non-science majors. Satisfactory performance on the mathematics placement examination or successful completion of MA 100 is strongly recommended.

131

Science and Technology Today II

(3 credits; Offered infrequently)

Science and Technology Today, I and II is a two-semester course in which students learn and apply basic concepts of physics, chemistry, astronomy, geology and biology. The interrelationship among the fields of science is stressed, and concepts are reinforced throughout the year. Basic problem-solving skills are emphasized. The interrelationship between science and other disciplines is included through

Interdisciplinary Programs and Courses at Arcadia University

discussions of philosophical issues, the presentation of scientific advancements in their historic context and the examination of the interrelationships between art and science. The goal of the course is to produce scientifically literate students who are able to make informed decisions in an increasingly technologically oriented world. Primarily for non-science majors. Satisfactory performance on the mathematics placement examination or successful completion of MA 100 is strongly recommended. Satisfactory performance in ID130 or permission of instructor is required for enrollment in ID131.

181

International Experience

(3 or 4 credits, Fall, Spring or Summer)

Introduction to another culture through interdisciplinary study and travel. Students prepare for and take a trip abroad. Preparation includes learning about the people and customs of a specific culture, the nature of cultural difference, the process of acculturation and the relationship of this study to the personal experience of travel.

208

Graphic Novel

(2 credits, summer)

This course is designed to explore the new literary form—the graphic novel, in an online format. Students investigate questions such as: What is a graphic novel? What is the unique grammar and syntax of the graphic novel? How does the act of reading change when reading a graphic novel? What are the different forms of a graphic novel?

260

Cooperative Education I

(4 credits)

281

International Research Experience

(1 credit for each week in the field, with a minimum of 2 credits and a maximum of 4 credits)

This course is similar to an independent research project within specific disciplines. It is designed for students who participate in several of the University-sponsored international projects; such as the summer travel associated with the Heinz award or the travel associated with the ongoing work on Bioko Island in Equatorial Guinea. It is not limited, however, to such work. Any student who has developed a significant project and has a faculty sponsor is eligible for this course.

Prerequisite: Permission of the instructor (or faculty sponsor) only. Instructors are to review the guidelines with the student and approve the project prior to the research being undertaken. This is similar to the procedure for an independent study course; however, the form for

ID 281 must be approved by the Associate Dean of Internationalization.

360

Cooperative Education II

(4 credits)

362

Cooperative Education III

(8 credits; Fall, Spring)

Full-time or part-time placement in business, industry, government, social services, or education in a position related to the major field. Integrates work methods, scientific techniques and instruments and other practical applications of classroom work with individual academic and career objectives. Provides added experiences and responsibilities in successive work assignments, commensurate with academic and professional development. Offers opportunity to explore various career interests by taking work assignments in more than one field. Requires a log of activities and a final report or other project.

Prerequisites for ID 260: sophomore standing, completion of two courses in the major field, a cumulative GPA of 3.0 (may be waived by permission of the student's major department), and permission of the instructor.

364

Cooperative Education IV

(4 credits)

370

Careers for Humanists

(Not regularly offered)

Preparation for entry into the current job market. Explores career opportunities for humanities majors. Includes identification of skills and interests, preparation of resumes and letters of application, practice in interviewing strategies and a written internship proposal or paper on a specific career option.

Prerequisites: Humanities major or minor and senior standing; or special permission of the adviser.

381

International Experience II

(6 credits)

An upper-level seminar that studies the history, politics, literature, and/or artistic heritage of a culture other than that of the United States. Canadian literature and culture is an approved topic. The course has three components: (1) initial course work on the Glenside campus of Arcadia University; (2) study tour in a foreign country; and (3) concluding course work in Glenside. The culture studied and the thematic focus varies each time the seminar is offered.

Prerequisite: Minimum of junior standing.

INTERNATIONAL BUSINESS AND CULTURE at Arcadia University

Global Perspectives...Personal Attention...Real-World Integrative Learning Experiences

Faculty

Professor

Thomas M. Brinker Jr. (Coordinator of Accounting)

Associate Professors

Dr. Wayne A. Morra (Adviser for Economics)

Dr. Tony Muscia (M.B.A. Director)

Assistant Professors

Dr. Annette L. Halpin (Chair)

Dr. Sassan Hejazi (SAP Coordinator)

Joel Wagoner

Dr. Michelle Washington

Instructor

Zaneta Chapman

Full-Time Adjunct

Robert H. Kieserman

Adjunct Professors

Charles Corace

Glenn Cronin

Jane Hartman-Frankel

Wick Hannan

Peter Maroney

Anna McAleer

Linda S. Moonblatt

Mary L. Sims

Degree

Bachelor of Arts in International Business and Culture

Minors

International Studies

Related Fields of Study

Chemistry and Business

Corporate Communications

Health Administration

International Studies Minor

Psychology (Human Resources)

Related Graduate Study at Arcadia University

Master of Business Administration (M.B.A.) with an International Perspective (See Graduate Catalog.)

Master of Arts in International Peace and Conflict Resolution (See Graduate Catalog.)

Pathways to Study Abroad in International Business and Culture

The program requires that students spend a semester or year studying abroad unless there are extenuating circumstances. Exciting opportunities are relatively easy to arrange through the Arcadia University College of Global Studies. Courses taken at foreign universities through the College receive Arcadia University credit and may fulfill Undergraduate Curriculum, including major, requirements.

Generally, the sophomore and junior years are the most convenient times for Arcadia students to study abroad. The freshman year and the first semester of the senior year also are possibilities.

Visit the University's Web site for Pathways to Study Abroad (www.arcadia.edu/pathways). Since it is important that students plan ahead for study abroad, they should consult with their advisers as early as possible to make their intentions known to the Department Chair and the Director of International Services.

About the B.A. in International Business and Culture

- Preparation for careers in business, industry and not-for profits
- Preparation for graduate programs in law, business, public administration or economics
- Computer simulations in first-, third-, and fourth-year courses
- Experiential, integrative learning through case studies
- Real-world experience through internships and co-ops
- Opportunities to spend a semester, a year or an internship at some of the top universities around the world

INTERNATIONAL BUSINESS AND CULTURE at Arcadia University

- Preparation for certification examination

A major mission of the University is to prepare students to function effectively in an increasingly global environment. Even organizations that operate in a single country are influenced by international events and decisions made by companies based in other countries. To be successful, it is imperative that organizations and their managers understand the international environment and the various issues that confront these business organizations.

The Bachelor of Arts in International Business and Culture focuses on the following four goals:

- Provide students with an international perspective.
- Offer students functional business skills, knowledge and abilities to effectively operate in an international environment.
- Give students background in a foreign language and an understanding of other cultures to facilitate their ability to adapt internationally.
- Combine these areas by having students participate in international activities through study abroad and international internships or Cooperative Education experiences.

The Bachelor of Arts in International Business and Culture, offered through the Department of Business/Health Administration and Economics, provides the necessary background for students to function effectively in both domestic and international organizations. The program combines liberal arts, business, language and international study.

First-year students (freshmen) and transfer students admitted to the University can apply for and be accepted directly into the program. To continue in the program, a student admitted as first-year student must have a cumulative GPA of 2.80 or higher after the third semester (i.e., end of the first semester of the sophomore year). A transfer students with more than 30 credits in transfer will be accepted into the program if he or she has a cumulative transfer GPA of 2.80 or higher. To continue in the program, a transfer student would have to achieve a cumulative GPA of

2.80 or higher in his or her first 15 credits completed at Arcadia University.

The Department strongly recommends the completion of a minor in another field of study. Minors in Accounting and Business Administration are for students from outside the Department of Business/Health Administration and Economics and are not open to students majoring in the Department. The program requires that students spend a semester or year studying overseas unless there are extenuating circumstances.

Senior Capstone Experience: All majors complete a Senior Thesis in International Business and Culture. This project involves integrating prior knowledge, preparing written reports, and making a public presentation. For majors in the Department, this requirement is satisfied by successful completion of BA 471 Internship and BA 495 Policy Formulation and Administration, both of which are required courses for majors.

Requirements for the B.A. in International Business and Culture

(Credits as listed below, with Undergraduate Curriculum and credit requirements as set forth for day programs and for evening programs)

1. International Perspective (21–23 credits)

BA 101	International Business
BA 232	International Environment and Legal Issues for Business
EC 350	International Economics
AN 361	Social Change: Globalization and Culture
BA 363	International Organizational Behavior
BA 344 or BA 349	International Marketing
BA 471	International Experience
or ML 370	International Internship in Business and Culture
	Career Internship in Modern Language
2. Business Fundamentals (18 credits)

BA 201	Financial Accounting
BA 202	Managerial Accounting
BA 340	Principles of Marketing
BA 367	Operations Management

INTERNATIONAL BUSINESS AND CULTURE at Arcadia University

- | | | |
|--------|--------------------------------|--|
| BA 369 | Management Information Systems | Courses that have a substantial international and/or cultural component. |
| BA 380 | Principles of Finance | |
3. Two courses in Economics (6 credits)
- | | |
|--------|------------------------------|
| EC 210 | Principles of Macroeconomics |
| EC 211 | Principles of Microeconomics |
4. Language Proficiency (0–24 credits)
Advanced level proficiency in at least one modern language other than English, as measured by written/oral examination or completion of four courses beyond the University's Undergraduate Curriculum requirement in this area.
5. Geographical/Cultural Area Studies (6–8 credits)
Two additional courses designed to provide insight into the culture of a specific geographic area. The courses are selected by the student and approved by the program Coordinator. These courses may concurrently satisfy an Undergraduate Curriculum requirement.
6. International Internship
Students are expected to spend a semester or year abroad. Students unable to spend a full semester abroad should do a summer internship abroad. If neither of the aforementioned options is possible, students may substitute a domestic internship with a foreign-owned firm that does business in the United States or in an international division of a U.S. firm doing business internationally.
7. Two courses in Mathematics (7–8 credits)
- | | |
|---------------|---|
| MA 141 | Elementary Statistics |
| MA 145 | Quantitative Models for Decision Making |
| or MA 201/207 | Calculus I/Applied Calculus I |
8. Capstone Experience (3 credits)
- | | |
|--------|---------------------------------------|
| BA 495 | Policy Formulation and Administration |
|--------|---------------------------------------|
9. Recommended Electives
- | | |
|-----------|--------------------------------|
| BA 362 | Human Resources Administration |
| EN 215 | Writing for Careers |
| or EN 218 | Business Writing |
| PL 165 | Occupational Ethics |

INTERNATIONAL STUDIES

at Arcadia University

Global Perspectives...Personal Attention...Real-World Integrative Learning Experiences

Faculty

Program Director
Dr. Peter Siskind

Professor

Dr. Pradyumna Chauhan (English)
Dr. Jeffrey Shultz (Education)

Associate Professors

Dr. Jonathan Church (Anthropology)
Dr. Andrea Crivelli-Kovach (Community Health)
Dr. Geoff Haywood (History)
Dr. Wayne Morra (Economics)
Dr. Rodolfo Schweizer (Modern Languages)
Dr. Ellen Skilton-Sylvester (Education)
Dr. Robert Thompson (Political Science)

Assistant Professors

Dr. Brett Ange (Community Health)
Dr. Warren Haffar (International Peace and Conflict Resolution)
Dr. Angela Kachuyevski (International Peace and Conflict Resolution)
Dr. Joanne Lucena (Modern Languages)
Dr. Jose Marrero (Modern Languages)
Dr. Jennifer Riggan (International Studies)
Dr. Peter Siskind (History)

Adjunct Faculty

Dr. Leland Bowie (History)
Amy Cox (Political Science)
Dr. John Luetzow (Religion)
Alex Otieno (Sociology)

Degree/Concentrations

Bachelor of Arts in International Studies

Globalization, Development and Human Rights
Global Public Health
Modern Mediterranean World

Minors

International Studies
Global Public Health
Mediterranean Studies

Related Graduate Study at Arcadia University

Master of Arts in International Peace and Conflict Resolution (4+2 program)

Pathways to Study Abroad in International Studies

Study abroad is a required part of the International Studies major. All majors study abroad for one semester in a location related to their concentration, and many majors choose to study abroad more than once. Drawing upon the strength of Arcadia's College of Global Studies, International Studies majors have the opportunity to study at universities around the world, including in Australia, China, Great Britain, Greece, Italy, South Africa, and Spain, as well as other locations.

Visit the University's Web site for Pathways to Study Abroad (www.arcadia.edu/pathways). Since it is important that students plan ahead for study abroad, they should consult as soon as possible with both their advisers and the Director of International Services.

About the B.A. in International Studies

- Preparation for careers in business, government, international organizations, social work, counseling, journalism, law, religion, non-profit agencies
- Preparation for graduate school
- Advanced study in the language and culture of another country
- Semester abroad requirement
- Opportunities to study abroad at some of the top universities in the world

One of the distinguishing characteristics of Arcadia University is its commitment to internationalization. Arcadia believes that students who learn firsthand about the interconnections among the peoples of the world will be truly prepared for life in a rapidly changing global society. An important component of Arcadia's global perspective is the many international courses and experiences available through the International Studies major.

The Bachelor of Arts in International Studies, which is housed within the Department of

INTERNATIONAL STUDIES at Arcadia University

History and International Studies, is an interdisciplinary major, focusing on global issues, including both regional and thematic concentrations. All International Studies majors study abroad for at least one semester as well as develop competence in a language other than English. Students are able to work in close contact with faculty with expertise in a number of different disciplines, including History, English, Sociology, Anthropology and Criminal Justice, Political Science, Economics, and Modern Languages.

Graduates may pursue careers in business, government, international organizations, social work, counseling, journalism, law, religion, or community service and non-profit agencies. This program also prepares students for graduate school.

The International Studies program also offers minors in International Studies, Global Public Health and Mediterranean Studies.

Requirements for the Bachelor of Arts in International Studies

International Studies majors choose among three concentrations (Globalization, Development and Human Rights; Global Public Health; Modern Mediterranean World) and take a total of 12 courses (typically 46-48 credits) consisting of a mix of required major courses and electives at the introductory and intermediate/advanced levels. In addition, students acquire intermediate-level proficiency in a modern language other than English (up to four courses, 0-16 credits, depending on prior knowledge).

Requirements for the Major

1. Any 4 introductory level (100-level) courses, one of which must be the “gateway” course to the student’s chosen concentration (typically 16 credits). The following list is Glenside courses that currently fall into this introductory category, but other courses—for instance, courses taken abroad during First-Year Study Abroad Experience and First-Year Seminars—also might fulfill these introductory-level course requirements as determined in consultation with a student’s adviser and the Director of International Studies.

IS	101	Introduction to International Studies
IS	120	Global Public Health (gateway)
IS	130	Modern Mediterranean World (gateway)
IS	160	Globalization, Development and Human Rights (gateway)
AN	120	Cultural Anthropology
BA	101	International Business
HS	110	The West in the World
PBH	110	Introduction to Public Health
PS	150	Comparative Politics
RE	114	Living Religions of the World

2. This research writing course must be taken after students have completed the concentration “gateway” course and no later than the end of the second year.

IS 201	International Studies and Research Writing (4 credits)
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3. Any additional 5 intermediate or upper-level courses (200- and 300-level), at least 3 of which must be taken within one’s concentration (typically 18-20 credits). These courses may be taken in Glenside and/or abroad. Glenside courses include International Studies courses but also draw on a range of courses in subjects including but not limited to History, Sociology, Anthropology, Economics, Political Science, Business Administration, and Modern Languages.

AN	220	Ethnographic Film
AN	262	Myth, Magic and Religion
AN	272	Cultures, Conflict and Power
AN	361	Social Change: Globalization and Culture
BA	232	International Environmental and Legal Issues for Business
CJ	275	Comparative Criminal Justice Systems
EC	210	Macroeconomics
EC	330	Natural Resource Economics
EC	350	International Economics
HS	211	Modern Middle East
HS	216	Modern East Asia
HS	218	Modern Africa/South Africa
HS	228	America as Empire
HS	335	Vietnam Wars

INTERNATIONAL STUDIES at Arcadia University

HS	340	Ancient Greece
HS	341	Ancient Rome
HS	355	World at War, 1914-1945
IS	220	Global Environment
IT	214	Introduction to Italian Literature
IT	226	Italian Culture Through Film
PBH	250	Epidemiology: Science of Public Health
PBH	320	Health Policy, Law and Bioethics
PS	225	Politics of the Developing World
PS	240	United States Foreign Policy
PS	243	Introduction to Peace and Conflict Resolution
PS	280	International Model United Nations
SO	260	Sociology of Health Care
SO	286	Health and Human Rights
SP	205	Introduction to Spanish Culture
SP	207	Spanish Pop Culture
SP	314	Contemporary Spanish Literature

4. This Senior Capstone two-semester seminar sequence must be taken in a student's final year at Arcadia.

IS	490, 491	Senior Capstone Seminar (8 credits)
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5. Language Requirement (0-16 credits).

Intermediate-level proficiency (202 level) in a modern language other than English.

Students who are taking a modern language for the first time must take the entire series:

101, 102, 201, 202. Students who have previous knowledge of the language will be placed according to the results of a placement inventory.

6. Study Abroad—All majors spend at least one semester abroad at a university in a country related to the concentration unless a compelling reason makes this impossible. Courses taken when studying abroad will be chosen with the assistance of the student's academic adviser.

Requirements for the Concentrations

All International Studies majors choose one of three concentrations—Globalization, Development and Human Rights; Global Public Health; Modern Mediterranean World. Students must take the introductory-level

“gateway” course corresponding to the concentration (IS 160 Globalization, Development and Human Rights; IS 120 Global Public Health; IS 130 Modern Mediterranean World). In addition, three of the five intermediate/advanced-level courses that majors take must be in the concentration. Courses taken while studying abroad may count in the concentration as approved by the student's academic adviser and the Director of the International Studies program. The following Glenside-based courses count toward respective International Studies concentrations:

Globalization, Development and Human Rights

AN	220	Ethnographic Film
AN	262	Myth, Magic and Religion
AN	272	Cultures, Conflict and Power
AN	361	Social Change: Globalization and Culture
BA	232	International Environmental and Legal Issues for Business
CJ	275	Comparative Criminal Justice Systems
EC	210	Macroeconomics
EC	330	Natural Resource Economics
EC	350	International Economics
HS	216	East Asia
HS	218	Modern Africa/South Africa
HS	228	America as Empire
HS	335	Vietnam Wars
HS	355	World at War, 1914-1945
IS	220	Global Environment
IS	320	Global Poverty and Inequality
PS	225	Politics of the Developing World
PS	240	United States Foreign Policy
PS	243	Introduction to Peace and Conflict Resolution
PS	280	International Model United Nations
PS	335	Politics of Russia and Eastern Europe
PS	421	International Organizations

Global Public Health

AN	272	Cultures, Conflict and Power
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INTERNATIONAL STUDIES at Arcadia University

AN 361	Social Change: Globalization and Culture
IS 220	Global Environment
PBH 250	Epidemiology: Science of Public Health
PBH 320	Health Policy, Law and Bioethics
SO 260	Sociology of Health Care
SO 286	Health and Human Rights

Modern Mediterranean World

HS 211	Modern Middle East
HS 340	Ancient Greece
HS 341	Ancient Rome
IT 214	Introduction to Italian Literature
IT 226	Italian Culture Through Film
SP 205	Introduction to Spanish Culture
SP 207	Spanish Pop Culture
SP 314	Contemporary Spanish Literature

Arcadia University International Offerings in International Studies

Arcadia University's College of Global Studies has affiliations with numerous overseas colleges and universities. More information is available at www.arcadia.edu/abroad. Students should contact the College for information on which overseas schools offer courses best suited to their interests.

Minor in International Studies

The International Study minor provides an inter-disciplinary opportunity to explore a variety of international issues. Interested students should meet with their major advisers and with the Director of International Studies. Participating students must declare their intent through the Registrar's Office.

Requirements for the Minor (Day and Evening)

(typically 18–20 credits as listed below)

The International Studies minor consists of five courses totaling 18 to 20 credits. Courses for this minor may not include more than two at the 100 level. Students may count one course,

but not more than one, toward both the major and the International Studies minor.

1. Two Introductory-level courses. (See major requirements above for a list of these courses.)
2. Three Intermediate/Advanced-level courses. (See major requirements above for a list of these courses.)

If students study abroad, they can substitute up to two appropriate courses taken abroad with prior approval of the Director of International Studies.

If students completing this minor decide to apply for the master's program in International Peace and Conflict Resolution, they need to refer to the Undergraduate Catalog section for the 4+2 program.

Minor in Global Public Health

The minor in Global Public Health provides students the opportunity to learn about public health principles from a global perspective. Public health issues are explored from different disciplines and perspectives, including epidemiology, ethics, anthropology, sociology and politics. Students also examine global health analytic frameworks, international institutions, and methods to understand and address health inequities.

Interested students should meet with their major advisers and with the Coordinators of the Global Public Health minor (Dr. Andrea Crivelli-Kovach and Dr. Brett Ange). Participating students must declare their intent through the Registrar's Office.

Requirements for the Minor

The Global Public Health minor consists of 5 courses (typically 20 credits).

1. 4 Core Courses (16 credits)

PBH 110	Introduction to Public Health
PBH 120	Global Public Health
PBH 250	Epidemiology: The Science of Public Health
PBH 320	Health Policy, Law and Bioethics
2. 1 Elective Course (typically 4 credits) chosen from the following courses:

INTERNATIONAL STUDIES at Arcadia University

AN 272	Cultures, Conflict and Power
AN 361	Social Change: Globalization and Culture
SO 260	Sociology of Health Care
SO 280	Sociology of AIDS and HIV
SO 286	Health and Human Rights
US 210	Health Psychology

International Studies Courses (IS)

101

Introduction to International Studies

(4 credits)

This course enables students to become knowledgeable in global interrelations among nations, non-state actors, and peoples from a multidisciplinary perspective. Themes and focus vary, though they have included the Middle East, globalization, and interaction among diverse cultures.

120

Global Public Health

(4 credits)

This course introduces students to critical challenges in global health using multidisciplinary perspectives. Issues at the nexus between development and health are explored through millennium development goals, disease burden, environmental health and safe water, epidemiology and demography of disease, AIDS and HIV prevention, chronic diseases, nutritional challenges, social determinants of global health, harm reduction and behavioral modification, health professionals and capacity development, as well as human rights and bioethical issues in a global context.

130

Modern Mediterranean World

(4 credits)

This course enables students to become knowledgeable about the geopolitically strategic as well as social-cultural importance of the Mediterranean region, both historically and in the modern era. Students learn about the strategic waterways, land, and air routes, the Suez Canal, and the nature of war and peace and how the conflicts in the region have affected global peace, stability and security. The course examines the Arab-Israeli conflict, the impact of immigration and migration into the European Union, trade patterns, and cultural, ethnic, religious, and linguistic identities and how they affect regional relations.

160

Globalization, Development and Human Rights

(4 credits)

This course focuses on the general definitions and perceptions of the concepts of globalization, development and human rights, as well as their more specific dimensions (e.g., economic globalization, cultural globalization, economic development, human development, political development, and women's human rights.)

201

International Studies Research and Writing

(4 credits)

This course provides students an intensive introduction to discipline-focused research and writing in their International Studies field(s) of interest. Students are introduced to a variety of types of primary and secondary sources. They learn about how to search for and locate these different sources, how to evaluate them, and how to utilize the sources in their research-based writing. Students learn how to develop research projects from the initial topic of interest through to the final written product; this work includes the generation of research proposals, re-drafting of papers, and practice in formulating different kinds of arguments depending on audience, sources, and written form.

220

Global Environment

(4 credits)

This course focuses on global interconnections and the consequences of humans' use and frequent degradation of natural resources around the planet. All continents are explored. Readings, discussions, and written assignments examine such topics as the shifting demand for and politics of resource extraction, trends in energy use (past, present and future), environmental health and justice, and how and the extent to which ecological balances have been imperiled by human economic and social development.

320

Global Poverty and Inequality

Debates that surround poverty and inequality and address impoverished living conditions around the world are some of the most urgent in our time. Some argue that it is a moral outrage that poverty continues to exist and that wealthy countries and individuals should do all that they can to put an end to poverty. Others argue that thus far development efforts created more problems than they have solved. This advanced seminar examines these very different understanding of the causes of poverty and

INTERNATIONAL STUDIES at Arcadia University

explores different approaches to development efforts around the world. Students explore historical efforts to address poverty as well as contemporary texts that offer new, cutting edge solutions to development challenges. Some sore questions raised are: To what extent is poverty "caused" by historical power imbalances and exploitation or by current factors? To what extent should solutions to poverty emerge from within communities themselves or from wealthy actors? To what extent should poverty alleviation be regarded as a human rights issue or an economic issue?

490, 491

International Studies Senior Thesis Seminars (4 credits each)

In this two-semester Capstone course, students explore research methods and develop and complete a substantial research project. Project topics are chosen by students in consultation with the seminar professor.

Public Health Courses (PBH)

110

Introduction to Public Health (4 credits)

This course provides an overview of public health globally, with an emphasis on the United States. The course focuses on the population health perspective, including the impact on the health care system and the environment and the specific needs of under-served populations. A history and background of public health are included to provide a framework for understanding how health and health care evolved globally and within the United States. This history is intricately connected to the discovery of the science of epidemiology, which also is discussed. The course provides an introduction to disease incidence and prevalence, and how the frequency, distribution, and determinants of disease affect how resources are allocated to target health conditions and health disparities. Methods used to detect diseases within populations are described along with educational interventions used to facilitate behavior change and disease prevention. Issues of health care delivery are included with a discussion of health care financing, reimbursement, cost containment and utilization. Finally, students are introduced to the concept of social determinants of health promotion and disease prevention, including health communication and informatics, so that they may gain an understanding of the health disparities that exist today and the factors that contribute to this inequity.

120

Global Public Health (4 credits)

This course introduces students to critical challenges in global health using multidisciplinary perspectives. Issues at the nexus between development and health are explored through: millennium development goals, disease burden, environmental health and safe water, epidemiology and demography of disease, AIDS and HIV prevention, chronic diseases, nutritional challenges, social determinants of global health, harm reduction and behavioral modification, health professionals and capacity development, as well as human rights and bioethical issues in a global context.

250

Epidemiology: The Science of Public Health (4 credits)

This course provides a basic understanding of the epidemiologic method of identifying disease-causing exposures and behavioral factors that place individuals at risk of other health-related events. It emphasizes the generation of hypotheses based on descriptive epidemiological data, the testing of hypotheses through analytic epidemiologic research, the determination of causality, and the value of epidemiologic research in developing and evaluating disease prevention strategies. The course is designed to enhance students' ability to analyze problems systematically and to think collectively.

320

Health Policy, Law and Bioethics (4 credits)

This course is designed to integrate theories and principles addressed in public health, epidemiology and global health using a case study format. The focus is on how policies are made, who makes them, how they are enforced, and the impact of policies on the health of populations in general and vulnerable populations in particular, depending on the cultural context of the policy and the population it affects.

INTERNATIONAL PEACE AND CONFLICT RESOLUTION (4+2)

at Arcadia University

Global Perspectives...Personal Attention...Real-World Integrative Learning Experiences

4+2 International Peace and Conflict Resolution

Program (leading to master's degree
from Arcadia University)

Faculty

Director/Assistant Professor

Dr. Warran Haffar

Assistant Director/Assistant Professor

Dr. Angela Kachuyevski

Adjunct Professor

Amy Cox

Advisers/Associate Professors

Dr. Geoff Haywood

Dr. Robert Thompson

Other undergraduate faculty members serving on the Peace Studies Committee for the M.A. program also can serve as undergraduate advisers.

Related Graduate Study at Arcadia University

Master of Arts in International Peace and
Conflict Resolution

About the M.A. in International Peace and Conflict Resolution

The interdisciplinary Master of Arts in International Peace and Conflict Resolution program is designed to produce graduates who are well-prepared for mid-level positions in intergovernmental and non-governmental organizations (IGOs and NGOs) based primarily in the United States and Europe. These organizations, about 500 IGOs and 5,000 NGOs, have operations in all parts of the world. Academic programs in peace studies and conflict resolution, a growing international field, are interdisciplinary in nature and encompass perspectives from

anthropology, biology, economics, history, law, literature, philosophy, political science, psychology, religion and sociology.

The graduate program requires completion of one year of study and work abroad. In the first year students complete a core of 24 graduate credits on campus with the option of 6 additional credits of electives. The off-campus courses and professional experience, undertaken in the second year, can be coordinated through the Arcadia University College of Global Studies. This innovative M.A. program allows students to develop an area of concentration within peace and conflict resolution, build an international network of contacts, and gain practical field experience.

Undergraduate students preparing for the Master of Arts in International Peace and Conflict Resolution normally pursue a liberal arts undergraduate major in the social sciences or humanities. They complete the prerequisite courses listed below, take several recommended courses, and study abroad for one or two semesters. During the senior year, interested students apply to the Office of Enrollment Management for entrance into the program. Arcadia University undergraduate students whose academic records meet the entrance requirements are assured of acceptance into the master's program. Arcadia students also may apply for admission to IPCR without completing the assured admission program. To maintain the quality of the graduate program, the University reserves the right to limit enrollment in all its offerings.

Liberal Studies at Arcadia University

Global Perspectives...Personal Attention...Real-World Integrative Learning Experiences

Faculty

Dean of Continuing Studies

Dr. Erik Nelson (adviser)

Degree

Bachelor of Arts in Liberal Studies

Applied Social Science for the Global
Citizen

Individualized Concentration

Pathways to Study Abroad in Liberal Studies

Liberal Studies majors are encouraged to spend time studying overseas. Exciting opportunities are available through the University's College of Global Studies. With prior approval, courses taken at foreign universities can be transferred to Arcadia to fulfill Undergraduate Curriculum, including major, requirements. In addition, Arcadia periodically offers ID 181 international experience courses, which involve on-campus instruction before and after a period of a week or two of experiential learning in a host country. These experiences may be particularly appealing for a Liberal Studies major.

Visit the University's Web site for Pathways to Study Abroad (www.arcadia.edu/pathways). Since it is important that students plan ahead for study abroad, they should consult with their advisers as soon as possible and make their intentions known to the Department Chair and the Director of International Services.

About the B.A. in Liberal Studies

The Liberal Studies program is an interdisciplinary course of study that integrates a liberal arts education across the social studies, the arts and the humanities. The program provides students with the opportunity to shape an individualized course of study and to integrate academic and career interests, or to select a concentration in Applied Social Science for the Global Citizen. By drawing connections across disciplines, students gain a broader awareness of the world around them

and a better understanding of the human condition in contemporary society. To meet the needs of the adult learner, most of the courses within this program are available online to allow for even greater flexibility.

The broad scope of the program allows students the opportunity to choose a wide range of courses across academic departments in order to understand multiple modes of inquiry and approaches to knowledge. Students, in conjunction with the adviser, will develop a cohesive concentrated course of study and a concentration that will allow them to meet their educational and career goals.

All students majoring in Liberal Studies are required to take four courses specifically designed for the major. These are LB 200 Introduction to Liberal Studies, LB 330 Evaluating Research, LB 385 Social Theory and LB 490 Capstone Seminar. LB 200, 330 and 385 are prerequisites for LB 490.

In order to be accepted into the program, students must complete an application that includes a short description of why the program meets their needs and an outline of their intended program of study. All students applying to the Liberal Studies major must have a current GPA of 2.0 or higher.

Acceptance to the program is determined by the program coordinator.

Requirements for the B.A. in Liberal Studies

Liberal Studies requirements	13
Other Undergraduate Curriculum requirements	39
Concentration	30–40
Free electives	28–38
Total credits:	120

Individualized Concentration

Suggested Individualized Concentrations include social sciences (including Sociology, Anthropology, Women's Studies, Communications and Political Science), applied social sciences (including Business, Health Administration, Sociology,

Liberal Studies at Arcadia University

Anthropology and Communications), and humanities (including History, English, and Theater, Communications and Art and Design). Courses must be distributed over the 100, 200 and 300 levels and across at least two disciplines.

Beyond the four required courses in the concentration, courses will be selected according to the following guidelines: no more than four 100-level courses and a minimum of six additional courses selected from among 200- and 300-level courses, three of which must be 300-level courses.

Concentration in Applied Social Science for the Global Citizen

This concentration unites coursework in Anthropology, Sociology, Business, Ethics and Communications in order to create a unique, globally focused academic experience. These courses will be distributed over the 100, 200 and 300 levels and across the disciplines mentioned above.

Liberal Studies Courses (LB)

200

Introduction to Liberal Studies

(3 credits; Fall; online)

This course introduces students to perspectives on and methods for understanding disciplines in the humanities and the social sciences, exploring the ways in which thinking and writing in different disciplines complement each other and provide a basis for understanding the nature of being human. Students discover the nature of learning as an open-ended process through readings, collaborative discussions, oral presentations, and written assignments. This course begins and ends with two questions: What does it mean to acquire a liberal arts education? And what is the relationship between a liberal arts education and an understanding of what it means to be human? To this end, the readings selected and the writing assignments included do not provide definitive answers to these questions but provide a forum for students to begin exploration.

330

Evaluating Research

(3 credits; Fall; online)

This course examines the methodologies available for collecting information in the social sciences, such as experiments, survey research, field research, unobtrusive research and

evaluative research and how these methodologies can help answer questions about society. Students learn to critically analyze published research findings through a series of structured exercises, culminating in a portfolio of written reflections.

385

Social Theory

(3 credits; Fall; online)

This survey of the contributions of major classical, modern and post-modern theorists, presented within their social and historic context considers the works of Marx, Weber, Durkheim, Freud, Parsons, Mead and Goffman, Habermas, Bourdieu as well as Appadurai, Butler, Hooks, Foucault, Baudrillard and Haraway and other theorists. Reviews critiques and elaborations of the theories and assesses their influences on contemporary thought in the social sciences and humanities.

490

Liberal Studies Capstone: Conversations on Being Human

(4 credits; Spring; online)

As the Capstone course for the Liberal Studies program, this course charts a number of current conversations on what exactly makes us human. Students are asked to engage with advanced material that links recent findings in the natural and social sciences with those of visual arts, literature, economics and philosophy. The main objective of the course is for students to integrate their own intellectual collegiate experience by confronting fundamental questions about the nature of humanity, and critically thinking about the current answers offered by scientists, scholars and artists.

Prerequisite: A GPA of 2.0 or higher in the major, or with permission of the Department required.

Mathematics

at Arcadia University

Global Perspectives...Personal Attention...Real-World Integrative Learning Experiences

Faculty

Professors

Dr. Louis M. Friedler
Dr. Edward F. Wolff

Associate Professor

Dr. Carlos E. Ortiz (Chair)

Assistant Professor

Dr. Richard J. Arras
Dr. Yanxia Jia
Dr. Xizhong Zheng

Adjunct Professors

Josh Blustein, Associate Professor of
Psychology
Dr. Marion Cohen
Joie Dugan
William Elnick, Registrar
William Gingrich
Dr. Mohammed Khalil
Lawrence Lee
Max Malossini
Robert Osifchin
Francis Prendergast
Madhu Puri
Elaine M. Rodgers

Director of Developmental Mathematics

Renee Starr

Degrees

Bachelor of Arts in Mathematics

Actuarial Science

Bachelor of Science in Mathematics

Actuarial Science

Minors

Elementary Mathematics Education
Mathematics
Statistics

Option

Secondary Education Certification

Pathways to Study Abroad in Mathematics

Majors in the Computer Science and Mathematics Department are strongly encouraged to take full advantage of the study

abroad opportunities that Arcadia University offers. In recent years, students have studied at universities in England, Ireland, Scotland, Australia, and Italy. All benefited greatly from their experiences.

Students who plan to study abroad should meet with their advisers as soon as possible to discuss their options. This is especially true given that several of the Department's upper-level courses are taught on an alternating year basis. Therefore, the best semesters to study abroad might differ from year to year. Several courses are part of sequences, and students are advised to take those entire sequences at Arcadia.

Many majors elect not to take any math or computing courses during the semester abroad, instead choosing humanities and social science courses that fulfill Undergraduate Curriculum requirements. These latter courses are more apt to help students gain a rich knowledge and appreciation of the culture of the country in which they are studying.

Visit the University's Web site for Pathways to Study Abroad (www.arcadia.edu/pathways). Since it is important that students plan ahead for study abroad, they should consult with their advisers as soon as possible and make their intentions known to the Department Chair and the Director of International Services.

About the B.A. and B.S. in Mathematics

- Preparation for positions in statistics, applied mathematics, and financial analysis in business, government, or industry
- Preparation for graduate school in mathematics, statistics, mathematics education, or actuarial science
- Preparation for secondary teaching
- Preparation for the first two exams of the Society of Actuaries and Casualty Actuarial Society
- Opportunities to study abroad at some of the top universities around the world

Mathematics at Arcadia University

Arcadia University's Mathematics programs are designed to help students to develop problem-solving skills as well as the theoretical insight needed both for applications and graduate study. Courses use state-of-the-art technology, including graphing calculators, computer algebra systems such as Maple, Geometer's Sketchpad, and statistical software such as SAS and SPSS.

The curriculum allows students to specialize in Actuarial Science, Secondary Education, or pure math.

Recent graduates are actuaries, secondary teachers, biostatisticians, statistical programmers, financial analysts, and graduate students in mathematics, statistics, and engineering. They have found positions with companies such as Boeing, Towers-Perrin, and AON Consulting. Students have continued their educations at universities such as Columbia, Wisconsin, Rutgers, Michigan, Delaware, and Villanova.

Arcadia also offers a concentration in Actuarial Science as an option within the Mathematics major. Students may prepare for the first two exams of the Society of Actuaries and Casualty Actuarial Society. A highlight of the program is the special Actuarial Seminar. Students are introduced to the principles of risk management and develop the problem-solving skills necessary to be successful on the first exam.

Bachelor of Arts in Mathematics

The Bachelor of Arts degree program prepares students for teaching mathematics at the elementary and secondary school level and for jobs in industry and business. It can serve as a second major for students specializing in other fields.

Bachelor of Science in Mathematics

The Bachelor of Science degree program involves a deeper investigation of both mathematics and applied sciences and prepares students for graduate study, teaching and work in programming and research. Career options include business, government, industry, teaching positions at all levels from elementary through university, and actuarial science positions.

Actuarial Science Concentration (Bachelor of Arts or Bachelor of Science)

For many years, Arcadia University's Computer Science and Mathematics Department has prepared students to pursue careers as actuaries—the highly paid insurance professionals who use mathematics to quantitatively assess risk. The Department's actuarial science concentration is a program within the mathematics major. The program is administered by Dr. Louis Friedler, an Associate of the Society of Actuaries, and by Dr. Edward Wolff, a statistician with many years experience preparing students for actuarial careers.

To advance within the field of actuarial science, individuals must pass a series of exams administered by the Society of Actuaries and the Casualty Actuarial Society. These exams reflect the importance of both mathematics and business to this career. Arcadia University's actuarial concentration offers courses covering the material for the first two of these exams.

Exam 1/ Exam P: Probability
Exam 2/ Exam MF: Mathematical Finance

The Department also offers Validation by Education Experience (VEE) actuarial credit in Applied Statistics, Finance, and Economics in cooperation with Arcadia's Business Department. Details are available on the department's Web page:
<http://gargoyle.arcadia.edu/mathcs> .

Minor in Elementary Mathematics Education

The minor in Elementary Mathematics Education is designed for students majoring in Elementary Education who want to enhance their understanding of mathematics and so meet the anticipated Pennsylvania certification requirements. This minor is not open to Mathematics majors.

Minor in Mathematics

The minor in Mathematics is designed to give students majoring in other fields the minimum number of Mathematics courses necessary to do fundamental mathematical analysis required for positions in the sciences and social sciences.

Mathematics at Arcadia University

Minor in Statistics

The minor in Statistics provides the necessary background to do statistical analysis in professional or academic settings involving the collection and study of data. This minor is not open to Mathematics majors.

Requirements for the B.A. and B.S. in Mathematics

(38-60 credits as listed below, with Undergraduate Curriculum requirements and electives to total 128 credits)

Common Curriculum for both degree programs

(26-28 credits as listed below)

1. Four courses in Mathematics
MA 201, 202, 203 Calculus I, II, III
MA 221 Linear Algebra
2. The following course:
CS 201 Problem-Solving with Programming and Algorithms I
3. MA 490 Mathematics Capstone (1 credit) plus completion of a Capstone project linked to one of the following three courses:
MA 330, MA 343, MA 352.

Additional Requirements

For the Bachelor of Arts (B.A.) in Mathematics

(12 credits as listed below)

1. Two courses in Mathematics chosen from the following:
MA 302 Introduction to Analysis
MA 322 Abstract Algebra I
MA 341 Probability
2. Two Mathematics elective at the 300 level

For the Bachelor of Science (B.S.) in Mathematics

(32 credits as listed below)

1. Three courses in Mathematics
MA 302 Introduction to Analysis
MA 322 Abstract Algebra I
MA 341 Probability
2. Three Mathematics electives at the 300 level

3. The following courses:

PH 211, 212 Conceptual Physics I, II

Requirements for the Actuarial Science Concentration

(with the Bachelor of Arts or Bachelor of Science)

1. Required courses
MA 201, 202, 203 Calculus I, II, III
MA 221 Linear Algebra
MA 288 Actuarial Seminar
MA 341 Probability
MA 342 Mathematical Statistics I
MA 343 Mathematical Statistics II
MA 361 The Mathematical Theory of Interest
2. Required cognate courses (Students must satisfy the requirements for either the Bachelor of Arts or the Bachelor of Science. All BA and EC courses are three credits each.)
BA 201 Financial Accounting
BA 380 Principles of Finance
BA 382 Investments
EC 210 Principles of Macroeconomics
EC 211 Principles of Microeconomics
CS 201 Problem-Solving with Algorithms and Programming I
3. Recommended course
CS 104 Computer as a Tool

Requirements for the Minor in Elementary Mathematics Education

(19–20 credits as listed below)

Students who minor in Elementary Mathematics Education may not also minor in Mathematics or Statistics.

At least three of the courses listed below must be taken on Arcadia's campus.

1. The following course:
MA 201 Calculus I

Mathematics at Arcadia University

2. Any mathematical methods course taught by Arcadia University's Department of Education
3. At least three of the following courses:

MA 230	Discrete Mathematics
MA 141	Elementary Statistics
MA 202	Calculus II
MA 203	Calculus III
MA 220	Linear Algebra
MA 117	Mathematical Concepts I
MA 118	Mathematical Concepts II

Requirements for the Minor in Mathematics

(19–20 credits as listed below)

Students who minor in both Mathematics and Statistics can only apply MA 201, 202, 203 toward both minors.

1. Four courses in Mathematics

MA 201, 202, 203	Calculus I, II, III
MA 221	Linear Algebra
2. One course chosen from the following:

MA 302	Introduction to Analysis
MA 322	Abstract Algebra I
MA 341	Probability

Requirements for the Minor in Statistics

(24 credits as listed below)

Students who minor in both Mathematics and Statistics can only apply MA 201, 202, 203 toward both minors.

1. Three courses in Mathematics

MA 201, 202, 203	Calculus I, II, III
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2. Three courses in probability and statistics from the following:

MA 141	Elementary Statistics
MA 242	Intermediate Methods in Statistics
MA 341	Probability
MA 342, 343	Mathematical Statistics I, II

Mathematics Courses (MA)

095

Pre-Algebra (Math Skills)

(0 credits; Fall, Spring)

This course helps students to prepare for MA 100 through formal instruction and self-paced computer tutorial. Basic mathematical skills will

be covered. Topics include operations on whole numbers, fractions, decimals, percents, ratios, proportions, signed numbers, areas of geometric figures, and an introduction to the solution of linear equations.

100

Elementary/Intermediate Algebra

(2 credits; Fall, Spring)

This course is an introduction to the fundamental concepts and processes of Elementary and Intermediate Algebra, with an emphasis on problem-solving. This course is geared both to the individual needing a review of algebra and those attempting to overcome math anxiety. Topics include operations with signed numbers, solving and graphing equations and inequalities, operations with polynomials, factoring, radicals, exponents, and quadratic equations.

110

Pre-Calculus Mathematics

(4 credits, day; Fall, Spring)

(3 credits, evening; Spring)

This course is an introduction to basic mathematical ideas and techniques centered on the function concepts. Includes relations and functions in general, algebraic functions, trigonometric functions, exponential and logarithmic functions.

Prerequisite: MA 100 or placement exam.

117

Mathematical Concepts I

(4 credits; Fall)

This course is an introduction to mathematical reasoning and problem solving. The course emphasizes writing, individual and group investigations, and the use of relevant technology. Content focuses on number theory, college geometry, and the concept of infinity.

Prerequisite: MA 100 or placement exam; open to all majors except Mathematics and Computer Science.

118

Mathematical Concepts II

(4 credits; Spring)

This course is a continuation of MA 117. Further development of mathematical reasoning and problem solving. The course emphasizes writing, individual and group investigations, and the use of relevant technology. Content focuses on geometry, probability, and data analysis.

Prerequisite: MA 117.

141

Elementary Statistics

(4 credits, day; Fall, Spring)

(3 credits; evening, Summer)

Introduction to basic statistical techniques and their applications to the sciences, social sciences

Mathematics at Arcadia University

and business administration. Includes the collection and presentation of data, measures of central tendency and variability, probability, sampling distributions, confidence intervals, hypothesis testing, correlation and regression, and introduction to analysis of variance. Students learn to use common computer packages in statistics.

Prerequisite: MA 100 or placement exam.

145

Quantitative Models for Decision Making (Finite Math)

(3 credits; Fall, Spring)

Study of applications of mathematical functions, linear equations, linear inequalities, and matrix algebra to solve business decision-making problems utilizing computer-based spreadsheets.

Prerequisite: MA 100 or placement exam.

201

Calculus I

(4 credits; Fall, Spring)

Introduction to basic calculus. Presents limits, continuity, the derivative, the definite and indefinite integral, applications.

Prerequisite: MA 110 or placement exam.

202

Calculus II

(4 credits; Spring)

Continuation of MA 201. Investigates further techniques of one-variable calculus, including techniques of integration, and infinite series.

Prerequisite: MA 201.

203

Calculus III

(4 credits; Fall)

Continuation of MA 202. Includes multi-variable calculus and applications.

Prerequisite: MA 202

207

Applied Calculus I

(3 credits; Fall)

Introduction to the concepts and notations of the calculus of one variable. Includes limits, continuity, the derivative, the definite and indefinite integral. Emphasizes applications to business and economics.

Prerequisite: MA 110 or placement exam; or permission of the instructor. Not regularly offered.

208

Applied Calculus II

(3 credits; Spring)

Continuation of MA 207. Develops the topics covered in the first semester. Also introduces differential equations. **Prerequisite:** MA 207 or 201. Not regularly offered.

221

Linear Algebra

(4 credits, day; Spring)

(3 credits, evening; Fall)

Intensive study of linear algebra. Includes essentials of finite-dimensional vector-spaces, linear transformation, matrix algebra, systems of linear equations, and determinants.

Prerequisite: MA 201 or permission of the Chair.

230

Discrete Structures

(3 credits, evening; Fall)

Introduction to discrete mathematical structures with applications in computer science. Includes basic set algebra, functions, Boolean algebra, propositional logic, graph theory and trees.

Prerequisite: MA 100 or placement exam.

242

Intermediate Methods in Statistics

(4 credits; Spring)

In-depth examination of statistical concepts. Includes multiple correlation and regression, analysis of variance, non-parametric statistics, and sampling designs. Provides experience in working with computer packages in statistics.

Prerequisites: MA 141 or permission of the instructor.

288

Actuarial Seminar

(4 credits; Spring odd years)

The purpose of this course is to develop knowledge of the fundamental tools for assessing risk. The application of these tools to problems encountered in actuarial science is emphasized. A thorough command of calculus and probability topics is assumed. Students will learn the basics of risk management and risk theory. Students completing this course will be prepared for the first actuarial exam.

Prerequisites: MA 201, 202, 203 and MA 341.

302

Introduction to Analysis

(4 credits; Spring odd years)

An introduction to the language, fundamental concepts and standard theorems of real analysis.

Prerequisites: MA 203 and MA 221. Also a 2.0 major GPA is required. However, a 2.20 major GPA is strongly recommended.

315

Theory of Computation

(3 credits)

An introduction to the theoretical basis of computing. Topics include: a review of graph

Mathematics at Arcadia University

theory; network models; grammars, languages and automata; Turing machines; computability.
Prerequisites: CS 201 and either MA 230 or MA 322 or MA 302.

322

Abstract Algebra I

(3 credits; Spring even years. Summer odd years.)

Introduction to groups. Emphasizes developments leading to factor groups and group homomorphisms. Includes introductory study of rings and fields.

Prerequisite: MA 221. Also a 2.0 major GPA is required. However, a 2.20 major GPA is strongly recommended.

330

Graph Theory and Combinatorics

(4 credits; Fall, odd years.)

Graph theory topics include planar graphs, Euler and Hamiltonian circuits, graph coloring, trees, depth-first and breadth-first search, network algorithms. Combinatorial topics include arrangements and selections, generating functions, recurrence relations, pigeon-hole principle, and inclusion-exclusion. Course covers applications to computer science and business and also material of interest to mathematics/secondary education majors. MA 330 may be used to satisfy the Computer Science MA 230 requirement.

Prerequisite: MA 221, 203.

331

Modern College Geometry

(4 credits; Spring)

Examination of selected topics from Euclidean and non-Euclidean geometry and projective geometry. Will introduce current software.

Prerequisite: MA 202; or permission of the instructor.

332

Topics in Geometry

Not regularly scheduled. **Prerequisite:** MA 202; or permission of the instructor.

341

Probability

(4 credits; Fall)

Study of combinatorics, discrete and continuous random variables of one and two dimensions, expectations, commonly used probability models, and normal approximation.

Prerequisite: MA 203 (MA 203 may be taken concurrently with MA 341.)

342

Mathematical Statistics I

(4 credits; Spring)

Study of sampling theory, sampling distribution, confidence intervals, hypothesis testing, linear regression and related topics.

Prerequisite: MA 341.

343

Mathematical Statistics II

(4 credits; Fall)

Continuation of MA 342. Includes regression models, time series, analysis of variance (ANOVA) and multivariate analysis of variance (MANOVA). Employs the SAS programming language.

Prerequisite: MA 342.

352

Differential Equations

(4 credits; Spring)

In-depth examination of theory and methods of solution of differential equations. Includes computer utilization and applications.

Prerequisite: MA 203.

356

Numerical Analysis

(4 credits)

Mathematical analysis of interpolation procedures, polynomial approximations, numerical differentiation and integration. Includes their applications to computers.

Not regularly scheduled.

Prerequisites: MA 203 and CS 201

361

The Mathematical Theory of Interest

(4 credits; Spring even years)

This course uses a problem-solving approach to introduce students to the mathematical theory and practice of interest. Much of the class time will be spent solving problems similar in scope and level of difficulty to those in the actuarial exam on Mathematical Finance. The course will cover the measurement of interest; equations of value; annuities, yield rates, amortization schedules and sinking funds; bonds and other securities; and recent, practical applications.

Prerequisite: MA 202.

362

Derivatives Markets

(2 credits, spring)

An introduction to the mathematics and finance necessary to understand financial derivatives.

Co-requisite: MA 361 Mathematical Theory of Interest

389

Independent Study

Individualized study in a selected area.

Suggested topics include real variable (construction of the real numbers, metric spaces, properties of Riemann and Lebesgue integrals),

Mathematics at Arcadia University

topology (introduction to the theory of topological spaces), advanced topics in graph and theory.

Prerequisites: senior standing and permission of the Chair.

490

Mathematics Capstone

(1 credit)

Mathematics majors must complete a substantial research project to satisfy Arcadia University's Capstone requirement.

Prerequisites: Students must also register concurrently for MA 330, MA 342, or MA 352. Junior or Senior standing required or permission of the Department Chair. Also, a 2.0 major GPA is required and a 2.2 major GPA is highly recommended.

MODERN LANGUAGES

at Arcadia University

Global Perspectives...Personal Attention...Real-World Integrative Learning Experiences

Faculty

Associate Professor

Dr. Rodolfo C. Schweizer (Chair)

Assistant Professors

Dr. Joanne Lucena, Dr. Jose A. Marrero

Adjunct Professors

Rokia Allam
Aura de Baki
Toshiko Bell
Amelia Borzi-Steers
Melanie R. Drolsbaugh
Stella Gevorgyan-Ninness
Pilar L. Maravi
Sophie Rivara-Lipschutz
Gabriela M. Segal
Edith Stetser

Degree/Concentrations

Bachelor of Arts in Spanish

Bachelor of Arts in Spanish Cultural Studies (a Majors Abroad Program)

Bachelor of Arts in Italian Studies
(a Majors Abroad Program)

Minors

French, Spanish, German or Italian

Options

Coursework in American Sign Language,
Arabic, Japanese

Pathways to Study Abroad in Modern Languages

The Department of Modern Languages has a unique and vital role to play in preparing students to study abroad. The ability to speak the language and to appreciate the cultural life of another nation greatly enhances the experience. The Department actively encourages all students to plan to study abroad as part of their academic programs.

Academic year, semester and summer programs are available. Most language majors take advantage of study abroad to enhance their command of language and culture.

Students who plan to study abroad generally do so in the junior year, after completing their Undergraduate Curriculum requirements and acquiring basic knowledge of the foreign language they are studying. Students can stay for one or two semesters and take courses for their major. Any course completed abroad in the local language counts toward a major or minor, provided they are not a repetition of courses taken in Glenside. Locations for study include Toledo, Granada, or Barcelona for Spanish; Rome, Florence, or Perugia for Italian, or Paris for French.

In addition to language courses, students can select courses from literature, culture, cinema, history, political science, economics, philosophy and other disciplines. Study in other countries also can be arranged. Visit Pathways to Study Abroad (www.arcadia.edu/pathways) for more information.

Since it is important that students plan ahead for study abroad, they should consult with their advisers as soon as possible and make their intentions known to the Department Chair and the Director of International Services.

About the B.A. in Spanish, Spanish Cultural Studies, and Italian Studies

- Preparation for graduate study
- Preparation for teaching
- Preparation for careers in business, communications, social services, health care, education or government
- Minors in Spanish, French, Italian and German
- Courses in Japanese, Arabic, and American Sign Language
- Internships in the Hispanic community in Philadelphia
- Opportunities to study abroad at some of the top universities around the world

MODERN LANGUAGES at Arcadia University

Objectives

Proficiency in a language in addition to English is an increasingly important tool for a career in business, communications, social services, healthcare, education or government.

Modern Languages programs focus on the study of language, culture, literature and film within each international language group. Students who pursue a major in Spanish or Italian can take advantage of a wide range of courses in the language, culture and literature of Spain, Latin America and Italy, respectively.

Modern Languages programs include a Bachelor of Arts in Spanish, Spanish Cultural Studies and Italian Studies, and minors in Spanish, French, Italian and German. Also available are courses at the intermediate level in Japanese, Arabic, and American Sign Language.

Modern Language courses emphasize both language proficiency and cultural understanding. Fluency and accuracy of language are the basis for effective communication. At the same time, students can begin to relate to the cultural aspects of the language they are studying through authentic written materials. Classes are taught in the target language, and small-group activities involve students in active learning.

Critical thinking is encouraged from beginning courses through advanced film and literature courses. Students who intend to continue a language studied previously (in high school or elsewhere) take a placement test and enroll in the course designated by the Department. The completion of the 101-201 level sequence (or its equivalent) is required for all courses above 201.

The Department supports chapters of Sigma Delta Pi, the national Spanish honor society, and Pi Delta Phi, the national French honor society. Students of Spanish, French, German, Italian and Japanese are involved in the multicultural community at Arcadia University in many ways.

Intensive Spanish Language Program

With this intensive program in Spanish language and culture, students take a series of modern language courses enabling them to achieve oral competency in one academic year. Students acquire enough skill to participate more easily in non-English speaking study abroad settings and are able to gain greater global understanding from these experiences.

Students in this program will have several opportunities to put their language skills to use, including study abroad in Spain and study domestically in Philadelphia or Los Angeles.

The purpose of this intensive language program is to facilitate the use of Spanish language and culture across a student's curriculum and to enhance his or her international perspective and experience inside of the major. Specific reasons for participation include desire to study abroad in Spain during the sophomore year or for students majoring in International Studies or International Business and Culture, who are required to achieve advanced level proficiency. Students in these majors also are required to study abroad as an integral part of their studies. By the end of one academic year, students will have the spoken competency of students who normally complete two years of traditional language training.

Created especially for this program is the SP 103 and SP 104 series, which recognizes the need to speed up the awareness and preparation of students who, day by day, live in an increasingly interconnected world, where cultural interaction has become a dominant mode. This series is the equivalent of completing SP 201.

Students may enter the program with varying levels of proficiency, based on the Spanish Language Placement Inventory.

- If a student places in to SP 101, he or she will take SP103 in Fall 2009 and SP 104 in Spring 2010.
- If a student places into SP102, he or she will take SP102 in Fall 2009 and SP 201 in Spring 2010.
- If a student places into SP 201, he or she will take SP 201 in Fall 2009 and

MODERN LANGUAGES at Arcadia University

can move on to SP 202 in Spring 2010.

Study Abroad/Domestic Opportunities for Students in Intensive Spanish Language

Spring 2009 Spain Preview

Spain Preview is a 2-credit course for first-year students (freshmen) at Arcadia University that includes traveling with Arcadia faculty and staff mentors to Spain over spring break. Students who participate in Spain Preview earn 2 credits for coursework completed before, during and after spring break. Preview offers students an opportunity to visit a major world capital, historic sites, cathedrals, museums, neighborhoods, and more.

Fall 2010 Semester Exchange at Whittier College or Hispanic Experience in Philadelphia

A semester at Whittier College, located just outside of Los Angeles, allows Arcadia students to explore Latino culture in Southern California. Arcadia has semester exchange programs with other New American College and Universities (NACU) members.

The Hispanic Experience in Philadelphia (SP 270) allows Arcadia students to utilize Spanish learned in a classroom in a practical setting, the Latino community in Philadelphia. A principal component of the course is two hours per week teaching elderly immigrants English, in conjunction with Project Shine, a service learning program.

Spring 2011 Study Abroad in Granada, Spain

Modeled after the very successful First Year Study Abroad Experience, this part of the program is referred to as a Sophomore Study Abroad Experience. Students spend the spring semester of the sophomore year as a group living and studying in Granada, Spain. Students will study in beautiful Andalucía at the Centro de Lenguas Modernas (CLM) and the University of Granada. This program, offered through the Arcadia University Center for Education Abroad, is available only to students who demonstrate language

proficiency equivalent to four semester of college Spanish.¹

Additional opportunities are under consideration for students who participate in this program.

B.A. in Spanish (Glenside)

The Bachelor of Arts in Spanish prepares students to communicate in Spanish through experience in Spanish classes as well as in a Spanish-speaking environment in a study abroad experience.

Students become familiar with the history and culture of Spain and Latin America and with issues facing Hispanics in the United States. Students will be qualified to enter a teacher certification program, graduate study, or to enter any profession for which a liberal arts degree is a prerequisite. There are two options for studies.

Option I—Language, Culture and Literature:

This option is designed for students interested in developing language skills in the study of Hispanic literature and culture. This program is especially recommended for students interested in pursuing graduate studies.

Option II—Language, Culture and

Professional Spanish: This option is designed for students interested in developing language skills in various professional areas while developing an understanding of Hispanic culture and values.

Requirements for the Bachelor of Arts in Spanish

Students with no background in Spanish must complete the series Spanish 101/102/201 before entering the major. Students who have a previous knowledge of Spanish will be placed according to their performance on the Spanish placement inventory.

¹ A student also must have achieved at least a 3.0 GPA during the previous three semesters to take advantage of this opportunity.

MODERN LANGUAGES at Arcadia University

Students enrolled in Spanish as a major ordinarily complete 50 percent of the required courses at and beyond the 200 level at Arcadia University. The senior seminar and the thesis must be developed under the supervision of an Arcadia University faculty member.

Courses taken abroad as part of an international educational experience will be recognized and accepted for transfer credit provided they are not a repetition of similar courses taken at Arcadia University. Students must consult with their advisers before departing and engaging in courses abroad.

Students majoring in Spanish are advised to spend one full semester or at least one summer session in one of the programs organized and coordinated by Arcadia's College of Global Studies.

The major in Spanish offers students two options or concentrations. Each concentration requires a minimum of 40 credits in Spanish above 201, as outlined on the following pages.

Spanish Major Option I: Language, Culture and Literature

(40 credits total)

This option is designed for students interested in developing language skills in the study of Hispanic literature and culture. This program is especially recommended for students interested in pursuing graduate studies.

1. The following courses are required (30 credits):

SP 202	Intermediate Spanish Language and Culture
SP 203	Spanish Conversation I or SP 204 Spanish Conversation II*
SP 205	Introduction to Spanish Culture or SP 206 Introduction to Latin American Culture*
SP 214	Survey of Spanish Literature or SP 215 Survey of Latin American Literature*
SP 233	Spanish Conversation and Composition
SP 314	Contemporary Spanish Literature or SP 315

SP 490

Contemporary Latin American Literature*
Senior Seminar and Project (4 credits Fall; 2 credits Spring)

2. A minimum of three elective courses (10 credits or more) from the following list:

SP 207	Spain Pop Culture
SP 240	Spanish for Medical Careers
SP 241	Spanish for Social Services
SP 242	Spanish for Business
SP 270	The Hispanic Experience in Philadelphia
SP 285	Selected Topics in Spanish
SP 326	The Hispanic World through Film
SP 333	Advanced Spanish Conversation and Composition
ML 370	Career Internship in Modern Languages
SP 385	Special Topics in Spanish
SP 389	Independent Study: Spanish

Spanish Major Option II: Language, Culture and Professional Spanish

(40 credits total)

This option is designed for students interested in developing language skills in various professional areas while developing an understanding of Hispanic culture and values.

1. The following courses are required (22 credits):

SP 202	Intermediate Spanish Language and Culture
SP 203	Spanish Conversation I or SP 204 Spanish Conversation II*
SP 205	Introduction to Spanish Culture or SP 206 Introduction to Latin American Culture*
SP 233	Spanish Conversation and Composition
SP 490	Senior Seminar and Project (4 credits Fall; 2 credits Spring)

MODERN LANGUAGES at Arcadia University

* If both courses are taken, one will be counted as an elective.

2. Three courses from the following four (12 credits):

SP 240	Spanish for Medical Careers
SP 241	Spanish for Social Services
SP 242	Spanish for Business

3. A minimum of two elective courses (6 credits or more) from the following list, at least two of which must be at the 200 or 300 level:

SP 207	Spain Pop Culture
SP 214	Survey of Spanish Literature
SP 215	Survey of Latin American Literature
SP 270	The Hispanic Experience in Philadelphia
SP 285	Selected Topics in Spanish
SP 314	Contemporary Spanish Literature
SP 315	Contemporary Latin American Literature
SP 326	The Hispanic World through Film
SP 333	Advanced Spanish Conversation and Composition
ML 370	Career Internship in Modern Languages
SP 385	Special Topics in Spanish
SP 389	Independent Study: Spanish

Requirements for the B.A. in Spanish Cultural Studies

This major, Spanish Cultural Studies, requires one academic year or two semesters of residence in Spain, where students will take courses exclusively related to Spain in institutions that are part of Arcadia's College of Global Studies.

This major requires 40 credits, but 24 credits must be devoted exclusively to Spain-related study areas.

The courses to be taken by a student as part of the major must cover at least four different areas from the following: Culture, Art History,

History, Politics, Geography, Literature, Cinema, Music, and Economy.

The 24 credits do not include language, conversation, and composition courses, areas in which the student should be proficient before entering the new major and/or traveling abroad.

The Capstone or senior thesis must be focused or centered on themes or issues relating to Spain.

The courses taken in Glenside in Spain-related areas, like literature, cinema, and culture and civilization, will count toward the major. It is highly advisable that a student entering the major takes SP 205 Spain Culture and Civilization before departing, in order to have a country background before entering the major.

Only one course taught in English, related to Spain in the areas above mentioned, will be accepted.

The ideal sequence of studies will be as follows.

In Glenside

First (Freshman) Year

Fall

SP 102	Beginning Spanish II
Undergraduate Curriculum Requirements	

Spring

SP 201	Intermediate Spanish I
Undergraduate Curriculum Requirements	

Sophomore Year

Fall

SP 202	Intermediate Spanish Language and Culture
SP 203	Spanish Conversation I
Undergraduate Curriculum Requirements	

Spring

SP 233	Spanish Composition
SP 205	Spain Culture and Civilization
Undergraduate Curriculum Requirements	

In Spain

Junior Year

Fall—Student in Spain

Spring—Student in Spain

MODERN LANGUAGES at Arcadia University

In Glenside

Senior Year

Fall

SP 490 Senior Seminar
Electives

Spring

Senior Thesis presentation (Capstone)
Electives

Program

In Glenside: Required courses before departing:

SP 202 Intermediate Spanish Language and Culture (4 credits)
SP 233 Spanish Composition (4 credits)
SP 203 or SP 204 Spanish Conversation (4 credits)
SP 205 Spain Culture and Civilization (4 credits) [Highly advisable]
SP 490 Senior Thesis Seminar [after returning]

In Spain: List of courses available at present. Since new courses may be developed in the future, they may be incorporated provided they refer to Spain.

Toledo: FUNDACION ORTEGA Y GASSET

All courses taught in Spanish

ANTHROPOLOGY/ARCHAEOLOGY

ARSP310 Archaeology of the Iberian Peninsula
ANSP630 Ethnology and Folklore of the Iberian Peninsula

ART HISTORY

ARSP311 Art and Architecture in Spain: Periods and Styles
ARSP312 Christian, Muslim and Jewish Art: Toledo
ARSP313 Master Painters of Spain
ARSP314 Seminar: 20th Century Spanish Art

HISTORY

HISP330 Spain since 1936
HISP331 The Cultural Heritage of Spain
HISP332 The Modern World Through Imagery: A Spanish Perspective

HISP333

Introduction to the History and Present Situation of Spanish Women

INTERNSHIP
INSP410

Internship in Toledo

LITERATURE
LISP320

Writers of the Spanish Empire and its Decline
Contemporary Spanish Women Writers
20th Century Spanish Literature

LISP321

LISP322

MEDIA STUDIES

MSSP310 Recent Spanish Film
MSSP312 Spanish Golden Theater

PHILOSOPHY AND RELIGION

PHSP340 Theology of Spanish Mystics
PHSP341 Spanish Philosophical Thought

POLITICAL SCIENCES

PSSP351 Seminar: Spanish Transition Toward Democracy

Granada: CENTRO DE LENGUAS MODERNAS and UNIVERSITY OF GRANADA

All courses taught in Spanish

STUDIES IN SPANISH CULTURE

HISP330 The History of Spain
ARSP310 History of Spanish Art
SPAN306 Diversity of Spanish Language
LISP320 Spanish Literature – Origin to the 18th Century
LISP321 Spanish Literature – Romanticism to Present Day
GESP320 Spanish Geography
SOSP360 Spanish Civilization and Culture
SOSP361 Islamic Culture in Spain

LITERATURE
LISP420

Spanish Literature (Renaissance and Baroque)
Spanish Literature (Enlightenment,

LISP421

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	Romanticism, and Realism)	AH320	Survey of Spanish Art (English)
LISP422	Spanish Literature (20th Century)	AH/SP323	Spanish Art: Ancient to Contemporary (Int. Spanish)
GEOGRAPHY		AH/SP423	Spanish Art: Ancient to Contemporary (Adv. Sp.)
GESp420	General Geography of Spain (Modern)	AH430	Masters and Monuments of Barcelona (Adv. Sp.)
GESp421	Regional Geography of Spain		
HISTORY		HISTORY	
HISP430	The History of Spain (Modern)	HI/SP361	History of Spain: Ancient to Modern (Int. Sp.)
HISP431	The History of Spain (Contemporary)	HI/SP461	History of Spain: Ancient to Modern (Adv. Sp.)
HISP432	The History of Spain (From Franco to Present Day)	INDEPENDENT STUDY	
		IS399	Independent Study
ART HISTORY		INTERDISCIPLINARY STUDIES	
ARSP410	Spanish Art (Ancient to Renaissance)	SO379	Bilingual Catalonia: Conflict and Compromise (English)
ARSP411	Spanish Art (Baroque to Present Day)	SO/SP351	Modern Spain: Economy, Society and Institutions (Int. Sp.)
ARSP413	Comparative Study of Literature and the Visual Arts	SO/SP451	Modern Spain: Economy, Society and Institutions (Adv. Sp.)
ARSP414	History of Spanish Film		
SOCIOLOGY, LAW AND POLITICAL SCIENCES		LITERATURE	
PSP450	Politics and Government in Spain (Fall)	SP381	Spanish Narrative Prose & Texts (Int. Sp.)
PSSP451	Politics and Society in Spain (Spring)	SP481	Spanish Narrative Prose & Texts (Adv. Sp.)
PSSP452	The Political System of the European Union	POLITICAL SCIENCES	
SSP453	Introduction to Spanish Law	PS/HD380	Spain and European Integration (English)
CULTURE		SPANISH CULTURE AND SOCIETY	
SOSP460	Spanish Civilization and Culture	SO/SP373	Spanish Culture and Society (English)
SOSP461	Islamic Culture in Spain	SP345	Topics in Contemporary Spanish Culture (Int. Sp.)
MUSP440	History of Spanish Music	SP445	Topics in Contemporary Spanish Culture (Adv. Sp.)
MUSP441	Flamenco and Traditional Music	SP434	Catalonia and its Culture: An Introduction (English)

Barcelona: BARCELONA CENTER FOR EDUCATION ABROAD

Courses taught in Spanish and English
(Only one accepted in English)

ART HISTORY

Barcelona: UNIVERSIDAD DE BARCELONA

Direct Enrollment

Recognition of courses will follow the same criteria. Open to academic year or Spring semester students at the advanced level.

MODERN LANGUAGES at Arcadia University

All instruction in Spanish or Catalan.

Requirements for the Bachelor of Arts in Italian Studies

The major in Italian Studies will require 40 credits devoted exclusively to Italy-related study areas.

The courses taken as part of the major must cover at least three different areas from the following: Culture, Art History, History, Politics, Literature, Cinema, Music, and Economy.

Courses taught in English from other departments (e.g. History, International Studies, Art and Design, Communications,) related to Italian culture and/or the European Union will be accepted as part of the major. However, course taken in other department must be approved by the Italian Studies adviser, Dr. Jose Marrero.

Given that the courses in Glenside do not cover the 40 credits, it is expected that the student will spend one year abroad in order to complete the major. Students should have a minimum GPA of 3.0.

The program

In Glenside: required courses:

IT	201	Intermediate Italian I (4 credits)
IT	202	Intermediate Italian Language and Culture (4 credits)
IT	203	Italian Conversation I (3 credits) OR
IT	204	Italian Conversation II (3 credits)

Also available in Glenside:

IT	205	Introduction to Italian Culture and Civilization
IT	214	Introduction to Italian Literature
IT	215	Introduction to the Divine Comedy
IT	226	Introduction to Italian Cinema

In Italy

Florence: Accademia Italiana a Firenze

LIBERAL ARTS COURSES

GS	321	Italian Literature in 20th Century
GS	322	Italian Literature 1200-1500
GS	333	Italian Cinema
GS	334	Italian Style
GS	336	The Etruscans
GS	337	Italy in the European Union
GS	339	History of Tuscany
GS	351	Masters and Monuments
GS	352	Masters and Monuments
GS	331	History of Music

Rome: Accademia Italiana a Roma

LIBERAL ARTS COURSES

GS	354	Mediterranean Archeology
GS	323	Greek and Roman Mythology
GS	357	Masterpieces in the Vatican
GS	356	Renaissance and Baroque Art
GS	384	Symbolic Language of Italian Cinema
GS	335	The Italian Political System (1946 to the present)
GS	336	The European Union: Political and Economic Structures
GS	338	The Roman Emperors
GS	363	Doing Business in Europe: European Union Trade Policy and its Implications
ID	382	History of Art and Architecture

Perugia: The Umbra Institute

ART HISTORY

AHPG	310	Perugia through the Ages: Art and History
AHIR	310	Survey of Italian Renaissance Art
AHST	370	Special Topics: Michelangelo
AHST	371	Special Topics: Leonardo Da Vinci

HISTORY

MODERN LANGUAGES at Arcadia University

HSRE 330 PSIT 350	The Roman Empire History and Politics of Modern Italy
LITERATURE	
ITLI 400	Contemporary Italian Literature in Translation
LIIT 420 II	Racconto Italiano: The Italian Short Story
HODA 401	Honors: Dante and the Divine Comedy
POLITICAL SCIENCES	
PSEU 340	Politics and Economics of the European Union
ITALIAN CULTURE AND LANGUAGE	
SOIT 420	Civiltà Italiana: Italian Culture and Society
SOIT 430	L'italiano: Storia, Sviluppo, Sociolinguistica: Italian linguistics
SOIT 360	Contemporary Italy: Culture and Society
SOIT 361	The History and Culture of Food in Italy
THIT 380	Italian Cinema: 1945 to the Present
PPIT 390	The Perugia Practicum
ITLN 310	Advanced Italian: Conversation and Composition

Requirements for the Minor in French, German, Italian or Spanish

(A total of 20 credits above the 102 level)

FR 102, GR 102, IT 102 or SP 102 may not be included in the total of 20. Students entering at a level higher than 102 should consult with the Department Chair concerning their course selection for the minor.

American Sign Language Courses (AS)

101, 102

Beginning American Sign Language I, II

(3 credits; Fall, Spring)

Courses designed to guide students who have no knowledge of Sign Language to the point where they can function comfortably in a wide variety of situations in the Deaf community.

Arabic Courses (AR)

101

Beginning Arabic I

(4 credits; Fall)

This course is designed to introduce students to basic Arabic and grammar. Upon completion of this course, students can expect to be able to introduce themselves, make questions, express feelings, as well as to engage in simple conversation on a range of everyday topics. This course uses materials from the Arab media as well as segments filmed in Cairo, Egypt. Culture is discussed as the course progresses.

102

Beginning Arabic II

(4 credits; Spring)

Building upon the proficiency of Arabic 101, students learn the use of present tense and acquire additional vocabulary that will allow them to discuss their classes, families, food, and eating at a restaurant, among others. Cultural points are introduced to familiarize students with Arabic beliefs and values. The four communication skills are developed as the course progresses.

Prerequisite: AR 101

French Courses (FR)

101, 102

Beginning French I, II

(4 credits; Fall, Spring)

Courses introduce understanding, speaking, reading and writing skills. Basic vocabulary and grammatical structures are studied. At the end of FR 102, students are expected to advance to an intermediate-low level by ACTFL standards. Computer-assisted practice using state-of-the-art digital laboratory.

201

Intermediate French I

(4 credits; Fall)

Course continues practice in listening, conversation, reading and writing in French. At the end of FR 201, students are expected to advance to an intermediate-mid level by ACTFL standards. Computer-assisted practice using state-of-the-art digital laboratory.

Prerequisite: FR 102 or equivalent.

202

Intermediate French Language and Culture

(4 credits; Spring)

Course designed to further develop students' language proficiency. At the end of FR 202, students are expected to advance to an

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intermediate-high or advanced level by ACTFL standards. Cultural knowledge is advanced through more advanced reading, listening, speaking and writing exercises. Computer-assisted practice using state-of-the-art digital laboratory.

Prerequisite: FR 201 or equivalent

203

French Conversation I

(4 credits; Fall)

Conversation in French for students who want to improve their communication skills in French.

Prerequisite: FR 102 or equivalent.

204

French Conversation II

(4 credits; Spring)

Conversation in French for students who want to improve their communication skills in French.

Prerequisite: FR 102 or equivalent.

214

Etude de Textes français: contes, theatre et romans (Readings in French)

(4 credits)

Advanced readings in French and Francophile literature. Includes at least one full-length work of fiction or theatre.

Prerequisites: FR 202.

226

Le Français et la culture a traves le cinema (Advanced French Thru Cinema)

(4 credits)

Course designed to further develop students' language proficiency through the use of contemporary French films. Through watching and critical analysis of films, students will improve their listening, oral and writing skills while getting a sense of some of the important features that are particular to French culture.

Prerequisite: FR 202.

285

Divers textes français sur l'histoire, la culture et les arts (Selected Topics in French)

(3 to 4 credits)

Exploration of selected topics such as French civilization: history, geography, literature, art and culture. Topics vary according to student and faculty interests. May be elected for more than one topic.

Prerequisite: FR 202, one FR 203/204.

385

Mouvements littéraires contemporains (French Literary Movements)

(3 or 4 credits)

In-depth study of major figures, works and/or movements in French or French African literature

or film, such as Avant-Garde French Fiction, L'Afrique Noire Contemporaine, Contemporary Poetry, French Feminist Writers or New French Cinema. Topics vary according to student and faculty interests. May be elected for more than one topic.

Prerequisite: FR 202, One FR 203/204, FR 214.

389

Independent Study: French (2 to 4 credits)

In-depth study of an author, movement, genre, or theme.

Prerequisites: : FR 202, one from FR 203/204, one beyond SP202 in same area of study and permission from the Department; junior/Senior standing, a minimum GPA of 3.0.

German Courses (GM)

101

Beginning German I

(4 credits; Fall)

Introductory course in German. Provides training in understanding, speaking, reading and writing German through use of culturally oriented materials. At the end of GM 102, students are expected to advance to an intermediate-low level according to ACTFL standards. Computer-assisted practice using state of- the-art digital laboratory.

102

Beginning German II

(4 credits; Spring)

Introductory course in German. Provides training in understanding, speaking, reading and writing German through use of culturally oriented materials. At the end of GM 102, students are expected to advance to an intermediate-low level according to ACTFL standards. Computer-assisted practice using state of- the-art digital laboratory.

Prerequisite: GM 101 or equivalent

201

Intermediate German I

(4 credits; Fall)

Continued practice in German conversation, reading and writing. Focuses on language and cultural understanding. At the end of GM 201 students are expected to advance to an intermediate-mid level according to ACTFL standards. Audio cassettes and videos complement program.

Prerequisite: GM 102 or equivalent.

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202

Intermediate German Language and Culture I

(4 credits; Spring)

Continuation of Intermediate German I with class discussions based on reading of contemporary material. Geared to increase cultural understanding and to work on troublesome language issues. Audio cassettes and videos included in program. At the end of GM 202, students are expected to advance to an intermediate-high level according to ACTFL standards. Audio CDs and videos included in program.

Prerequisite: GM 201 or equivalent.

285

Sonderthemen auf Deutsch

(Special Topics in German)

(2 or 4 credits)

Exploration of selected topics such as German civilization: history, geography, literature, art and culture. Topics vary according to student and faculty interests.

Prerequisite: GM 202.

Italian Courses (IT)

101

Beginning Italian I

(4 credits; Fall, Spring)

Courses introduce understanding, speaking, reading and writing skills. Basic vocabulary and grammatical structures are studied. At the end of IT102 students are expected to advance to an intermediate-low level by ACTFL standards. Computer assisted practice using state-of-the-art digital laboratory.

102

Beginning Italian II

(4 credits; Fall, Spring)

Courses introduce understanding, speaking, reading and writing skills. Basic vocabulary and grammatical structures are studied. At the end of IT102 students are expected to advance to an intermediate-low level by ACTFL standards. Computer assisted practice using state-of-the-art digital laboratory.

Prerequisite: IT 101 or equivalent

201

Intermediate Italian I

(4 credits; Fall)

Course continues practice in listening, conversation, reading and writing in Italian while presenting advanced grammatical structures. At the end of IT 201, students are expected to advance to an intermediate-mid level by ACTFL

standards. Computer-assisted practice using state-of-the-art digital laboratory.

Prerequisite: IT 102 or equivalent.

202

Intermediate Italian Language and Culture

(4 credits; Spring)

Capstone course designed to further develop students' language proficiency. At the end of IT 202 students are expected to advance to an intermediate-high or advanced level by ACTFL standards. Cultural knowledge is advanced through more advanced reading, listening, speaking and writing exercises.

Prerequisite: IT 201 or equivalent.

203

Italian Conversation and Diction I

(4 credits; Fall)

Conversation in Italian for students who want to improve their conversational Italian as well as expand their knowledge of Italian culture by analyzing current issues and situations of Italian society.

Prerequisite: IT 102 or equivalent.

204

Italian Conversation and Diction II

(4 credits; Spring)

Conversation in Italian for students who want to improve their conversational Italian as well as expand their knowledge of Italian culture by analyzing current issues and situations of Italian society.

Prerequisite: IT 102 or equivalent.

214

Introduzione alla letteratura italiana (Introduction to Italian Literature)

(4 credits)

Introductory course in reading and interpreting Italian. The course provides students with the necessary knowledge to analyze narrative and poetry of the main movements of Italian literary tradition through selections of each genre.

Prerequisite: IT 202.

215

La Divina Commedia: Inferno

(4 credits)

Analysis of Dante's masterpiece through discussion of philosophical concepts and historical facts of medieval Italy. The course will focus on the inferno and Dante's journey in the realm of Lucifer.

Prerequisite: IT 202, One IT 203/204, IT 214.

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226

Lingua e cultura nel cinema italiano (Italian Language and Culture through Cinema)

(4 credits)

A view of Italian language and culture through contemporary Italian films. Italian society as represented by the most prominent Italian directors in the cinema.

Prerequisite: IT 202, one IT 203/204.

285

Corsi avanzati in cultura e letteratura italiana (Special Topics in Italian)

(3 to 4 credits)

Exploration of selected topics such as Italian civilization: history, geography, literature, art and culture. Topics vary according to student and faculty interests. May be elected for more than one topic.

Prerequisite: IT 202; and one IT 203/204.

389

Independent Study: Italian

(2 to 4 credits)

In-depth study of an author, movement, genre, or a theme such as advanced grammar.

Prerequisites: IT 202, one from IT 203/204, one beyond IT202 in same area of study. Junior /Senior standing, a minimum GPA of 3.0 and permission from the Department.

Japanese Courses (JA)

101

Beginning Japanese I

(4 credits; Fall)

Conversation-based introduction to Japanese: grammar, comprehension, pronunciation and vocabulary. Includes individual work with CDs and audio cassettes and an introduction to the Japanese writing system. Computer-assisted practice for writing systems using state-of-the-art digital laboratory for writing system. Introduction of Japanese culture.

102

Beginning Japanese II

(4 credits; Spring)

Conversation-based introduction to Japanese: grammar, comprehension, pronunciation and vocabulary. Includes individual work with CDs and audio cassettes and an introduction to the Japanese writing system. Computer-assisted practice for writing systems using state-of-the-art digital laboratory for writing system. Introduction of Japanese culture.

Prerequisite: JA 101 or equivalent.

201

Intermediate Japanese I

(4 credits; Fall)

Intermediate Japanese following the same basic procedure as the two Japanese courses, JA 101 and JA 102. Continues work on formal patterns of Japanese and introduces informal patterns.

Formally introduces Kanji borrowed from China and practices both reading and writing Japanese. Informal usages of verbs and adjectives are introduced and practiced in this course. Uses computer assisted practice using state-of-the-art digital laboratory.

Prerequisite: JA 102 or equivalent.

202

Intermediate Japanese Language and Culture

(4 credits; Spring)

Basic continuation of JA201. Increases informal/plain verbs and adjectives in spoken, reading and writing Japanese. Emphasizes a working knowledge of everyday business conversation with business etiquette. Includes lessons on current Japanese culture to promote an understanding of the new Japan. Discussions of culture, viewing of DVDs and video tapes both in Japanese and English, and self-researching using websites are included. Uses state-of-the-art digital laboratory is used.

Prerequisite: JA 201 or equivalent.

Modern Languages Courses (ML)

370

Career Internship in Modern Languages

Placement that involves satisfactory completion of a semester-long, part-time internship appropriate to a career involving proficiency in at least one modern language. Requires a minimum of 120 hours of work. May serve as an elective toward the major or minor in Spanish, in French or in Italian. Also available abroad through The College of Global Studies.

Prerequisites: Junior standing and permission of the Chair.

371

International Internship in Business and Culture

(3 credits)

(Also listed as BA 371) Part-time placement (typically 8 to 12 hours per week for 10 weeks) designed to have the student apply academic concepts in an international work environment. Placements may be arranged by the Career Development Office, abroad by The College of Global Studies, and/or the Department Chair. Placements frequently are in volunteer

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organizations with the intern typically placed in a department related to the major or concentration. Internships may be done at one's full-time or part-time employment work site. The intern also writes a term paper or a reflection paper that is related to the internship. May serve as an elective toward the major or minor in Spanish, in French or in Italian.

Prerequisites: BA 340, 369, 380, junior or senior standing in accounting or business administration, proficiency in a foreign language and permission of the Chair.

Spanish Courses (SP)

101

Beginning Spanish I

(4 credits; Fall, Spring)

Courses introduce understanding, speaking, reading and writing skills. Basic vocabulary and grammatical structures are studied. At the end of SP 102, students are expected to advance to an intermediate-low level by ACTFL standards. Computer-assisted practice using state-of-the-art digital laboratory.

102

Beginning Spanish II

(4 credits; Fall, Spring)

Courses introduce understanding, speaking, reading and writing skills. Basic vocabulary and grammatical structures are studied. At the end of SP102, students are expected to advance to an intermediate-low level by ACTFL standards. Computer-assisted practice using state-of-the-art digital laboratory.

Prerequisite: SP 101 or equivalent.

103

Intensive Spanish I

(6 credits; Fall)

An accelerated and intensive four days-per-week course of Spanish at the beginner level.

Prerequisites: One to two years of high school Spanish preferred, and placement into SP101. Students taking SP 103 and SP 104 will be able to enter SP 202.

201

Intermediate Spanish I

(4 credits; Fall, Spring)

Course continues practice in listening, conversation, reading and writing in Spanish while presenting advanced grammatical structures. At the end of SP 201, students are expected to advance to an intermediate-mid level by ACTFL standards. Computer-assisted practice using state-of-the-art digital laboratory.

Prerequisite: SP 102 or equivalent.

202

Intermediate Spanish Language and Culture

(4 credits; Fall, Spring)

Capstone course designed to further develop students' language proficiency while reviewing all Spanish grammatical structure. At the end of SP 202, students are expected to advance to an intermediate-high or advanced level by ACTFL standards. Cultural knowledge is advanced through more advanced reading, listening, speaking and writing activities.

Prerequisite: SP 201 or equivalent or SP104.

203

Spanish Conversation I

(4 credits; Fall)

In this course, students will develop their oral and listening skills through conversation practice and listening to videos and CDs on diverse topics.

The course will combine oral presentations, conversations and class discussions with the use of audio visual materials and/or computer software.

Prerequisites: SP 102 or equivalent.

204

Spanish Conversation II

(4 credits; Spring)

In this course, students will develop their oral and listening skills through conversation practice and listening to videos and CDs on diverse topics.

The course will combine oral presentations, conversations and class discussions with the use of audio visual materials and/or computer software.

Prerequisites: SP 102 or equivalent.

205

Introducción a la cultura española (Introduction to Spanish Culture)

(4 credits)

An introduction to the history and culture of Spain, with focus on those elements that constitute the foundation of modern Spanish society.

Prerequisite: SP 202.

206

Introducción a la cultura latinoamericana (Introduction to Latin American Culture)

(4 credits)

A survey of the history and foundations of Latin American culture divided into Pre- Colombian, Colonial and Modern units.

Prerequisite: SP 202.

207

Spanish Pop Culture

(4 credits)

An examination of the social, political and cultural aspects of Spain from the death of Dictator

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Francisco Franco in 1975 to the present. Students will study contemporary music, film, newspapers, television shows, magazines and cultural icons to understand current Spanish society and her transition to democracy.
Prerequisite: SP 202.

214

Panorama general de la literatura española (Survey of Spanish Literature) (4 credits)

An introduction to Spanish narrative, drama, and poetry from their medieval multicultural origins and their Golden Age through their more experimental tendencies over the last three centuries.
Prerequisite: SP 202.

215

Panorama general de la literatura latinoamericana (Survey of Latin-American Literature) (4 credits)

A survey of representative literature from the colonial period up to the present. Readings include selections from the periods of the Spanish chronicles and move through 19th and 20th century literature.
Prerequisite: SP 202.

220

Hispanic Experience in Philadelphia

233

Conversación y composición en español I (Spanish Conversation and Composition I) (4 credits)

This course is designed to stimulate the fluent and spontaneous use of spoken and written Spanish. Thematic vocabulary building and review of linguistic structures included.
Prerequisite: SP 202.

240

Español para profesionales de la medicina (Spanish for Medical Careers) (4 credits)

This course focuses on the Spanish needed for clinical, administrative, and out-patient work in health care. Thematic vocabulary building, discussion of particular needs and expectations of the Hispanic community, and alternative medicine included. Role playing and practice in oral and written Spanish with recordings and computer programs.
Prerequisite: SP 201.

241

Español par las ciencias sociales (Spanish for Social Services) (4 credits)

This course is designed to explore the social, sociological, and psychological issues relevant to Hispanic population through articles, film, and books. The course focuses on developing vocabulary and communicative skills.
Prerequisite: SP 201.

242

Español para negocios (Spanish for Business) (4 credits)

This course is designed to provide students with a foundation in business vocabulary and to orient the functional use of Spanish to the world of business from a Hispanic cultural perspective.
Prerequisite: SP 201.

270

The Hispanic Experience in Philadelphia (4 credits)

An insider view of the Hispanic community of Philadelphia. Through tutoring immigrants and subsequent journal/blog reflections in Spanish, students will understand the aspects that constitute a Latino community while consequently improving their language skills.
Prerequisite: SP 202 for majors and minors

285

Tópicos especiales en español (Selected Topics in Spanish) (3 to 4 credits)

Exploration of selected topics such as Spanish or Latin American civilization: history, geography, literature, art and culture. Topics vary according to student and faculty interests. May be elected for more than one topic.
Prerequisite: SP202, one SP 203/204.

314

Literatura española contemporánea (Contemporary Spanish Literature) (4 credits)

Study of representative contemporary Spanish writers through selected works. Writers include Unamuno, Baroja, Machado, Valle Inclán, Ortega y Gasset, García Lorca, Cela, Laforet and other laureate writers.
Prerequisite: SP 214 or SP 215.

315

Literatura latinoamericana contemporánea (Contemporary Latin American Literature) (4 credits)

Study of literary works by the most representative contemporary Latin American

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writers. Course includes authors such as Borges, Cortazar, Rulfo, Fuentes, Vargas Llosa, Garcia Marquez and others.

Prerequisite: SP 214 or SP 215

326

El mundo hispano a través del cine (The Hispanic World Through Film)

(4 credits)

A view of the diverse Hispanic world as seen through representative Spanish language films from Spain and Latin America. Through critical and creative analyses, students will get a sense of some of the important features that are particularly Hispanic in nature and how they relate to universal themes.

Prerequisite: SP 202, one from SP 203/204.

333

Conversación y composición avanzada en español II (Advanced Spanish Conversation and Composition II)

(4 credits)

Intensive writing course with a conversational component designed for students with an intermediate mid to high level of Spanish. It focuses on the four major modes of writing: Descriptive, narration, exposition, and argument.

Prerequisite: SP 233.

389

Estudio independiente en español (Independent Study: Spanish) (2 to 4 credits)

In-depth study of an author, movement, genre, or a theme such as advanced grammar.

Prerequisites: SP 202, one from SP 203/204, one beyond SP202 in same area of study. Junior /Senior standing, a minimum GPA of 3.0 and permission from the Department.

490

Seminario para Seniors (Senior Seminar)

(6 credits: fall, 4 credits; spring, 2 credits)

Capstone course for senior Spanish majors, exploring issues in the Hispanic World, both inside and outside of the United States, as related to questions of literature and culture. Students integrate the material learned through the undergraduate years. Seminar format, culminating in a project (fall, 4 credits; spring, 2 credits) approved by the instructor.

Prerequisite: All previous major courses requirements completed, and Senior Standing.

MUSIC

at Arcadia University

Global Perspectives...Personal Attention...Real-World Integrative Learning Experiences

Faculty

Associate Professor

Dr. William V. Frabizio (Chair)

Adjunct Professors

Ms. Linda Burns

Dr. Alvin Byer

Mr. David Cimetta

Mr. Timothy Clifford

Mr. Edward Etkins

Mr. Thomas Evert

Mr. Carmen Gaspero

Mr. Samuel Heifetz

Ms. Ashley Horvath

Mr. Daniel Iatarola

Mr. Kenneth Iatarola

Dr. DeWitt Kay

Mr. Stephen Kleiman

Ms. Valerie Levicoff

Mr. Grant MacAvoy

Mr. Anthony Mennella

Ms. Nicole McShane

Dr. Elizabeth Murphy

Ms. Tammi Palagruto

Mr. Joseph Stefano

Dr. Hoejin Sim

The Department provides a variety of coursework and performance study options to meet the needs of those considering a career in music and/or planning to enter graduate programs in the profession. Students pursue the necessary skills and competencies through a carefully planned series of foundation and upper-level courses, tutorials and independent studies.

It is recommended that students take at least six semesters (or the equivalent) of performance study (applied music) in a chosen area of performance. Even if a student's primary medium of performance is other than the piano or general keyboards, or if he or she intends to pursue a program in musicology, it is recommended that practical piano skills be attained.

Students with a strong interest in music who want more than a minor may want to pursue an individualized major, which requires a proposal submitted to the College of Undergraduate Studies.

Minor

Music

Related Graduate Study Arcadia University

**Master of Arts in Education with a
Concentration in Music**

**Master of Arts in Humanities with a
Concentration in Fine Arts, Theatre and
Music**

(See Graduate Catalog.)

About the Minor in Music

A minor in Music can be a stimulating complement to a liberal arts education. Students can enhance their music experience by becoming involved with the Arcadia University Gospel Choir, Concert Ensemble, and other small chamber ensembles.

Requirements for the Minor in Music

(24 credits as listed below)

1. Four courses in Music

MU 101	Introduction to Reading and Writing Music
MU 102	Song Writing, Melody, Harmony, Arranging and Composing Music (or the equivalent)
MU 151 or MU 205	The Enjoyment of Music Music in History I
MU 204 or MU 206	The Symphony Music in History II
2. Four credits (or the equivalent) of performance study in any instrument(s) or voice.
3. One Music elective at the 300 level.

Music Courses (MU)

101

Introduction to Reading and Writing Music
(4 credits; Fall)

An elementary course in the elements and fundamentals of music, stressing practical application of clefs, scales, keys, rhythms and meters, chords, and a functional knowledge of the general field of music. Includes the nature and organization of various kinds of performing groups, the business of music, and copyright and publishing aspects. No prior knowledge of music is necessary.

102

Song Writing, Melody, Harmony, Arranging and Composing Music
(4 credits; day; Spring)

Review of music fundamentals, stressing harmonic procedures from a practical and functional point of view. Emphasizes use of chords and chord progressions and includes creative work at individual levels of interest and competency.

Prerequisite: MU 101 or the equivalent with permission of the instructor.

141

Survey of Jazz
(4 credits, day; Fall)
(3 credits, evening; Spring)

Chronological survey of jazz as an art form from its origins to the present, with special emphasis on stylistic tendencies, performers, composers, arrangers and social implications. Intended to enhance the appreciation of jazz and to consider the perspective of specific social and economic conditions which influenced the development of styles and trends.

151

The Enjoyment of Music
(4 credits, day, evening; Fall)
(3 credits, evening; Fall, Spring)

A study of masterworks in music and composers from the earliest times to the present day. Doctrines of taste and listening techniques are emphasized along with the background of social and political events of each historical period.

159

Performance Study (Applied Music)
(1 credit; Fall, Spring)

Applied music, private instruction, is offered for piano, voice, guitar, and all orchestral, band and jazz instruments. Students interested in music lessons for credit must take a weekly one-hour lesson. Those interested in non-credit lessons may take either a weekly one-hour or half-hour lesson. Applied music also may be pursued during summer session, providing that the proper

number of hours are completed. Students are billed a performance music fee above regular tuition cost. The fee is equal to the tuition for one undergraduate credit. May be taken more than once for credit.

160

Contemporary and Pop Chorus
(2 credits; Fall; Spring)

A performance course designed for students interested in singing in a variety of contemporary musical styles. Students will be given an opportunity to identify and perform jazz, rock, pop, world and gospel music in a group setting. In addition, students are taught basic principles of music along with music reading skills. There is no performance music fee for this course. May be taken more than once for credit.

161

Contemporary Band and Orchestra
(2 credits; Fall, Spring)

A performance course designed for students interested in playing their instruments in a variety of contemporary musical styles. As the instrumentation of the ensemble may vary, pieces are chosen which showcase the particular instruments present in a given semester. Students are instructed in sight-reading, blending as a group, musical styles and performance practices. There is no performance music fee for this course. May be taken more than once for credit.

162

Beginner Dance Swing and Latin Music
(2 credits; Fall; Spring)

This performing arts dance/music course focuses on the development of performance, musicality, technique, style, rhythm and creative collaboration as well as the presentation of the history and cultural impact of each dance modality inclusive of Swing (6 styles), Cha Cha, Mambo, Salsa and Merengue

163

Intermediate Dance Swing and Latin Music
(2 credits; Fall; Spring)

This performing arts dance/music course focuses on the development of intermediate-level performance, musicality, highly technical competence, improved personal style, rhythm and creative collaboration as well as the presentation of the history and cultural impact of each dance modality inclusive of Swing (6 styles), Cha Cha, Mambo and Salsa

Prerequisites: MU 162

164

Beginning Class Guitar

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165

Elementary Class Guitar

166

Intermediate Class Guitar

167

Advanced Class Guitar

(2 credits; Fall, Spring)

A simple and straightforward approach to preparing music and performing on guitar. Technique, theory, ear training, reading, repertoire, improvisation, musical idioms, composition, and interpretation will be included in practical application. A course designed to enhance the musical skills and perspective of the student. Creative and practical use of the materials necessary for performance on the guitar will be explored.

Prerequisite: None for MU 164, but students must have the skill and knowledge of each preceding segment for entrance into the next level, or permission of the instructor.

168

Elementary Class Piano

169

Intermediate Class Piano

170

Advanced Class Piano

(2 credits; Fall; Spring)

A comprehensive approach to piano playing, to include technical studies, piano literature, and chord symbols for accompanying.

203

Symphonic Literature and Repertoire

(3 credits; Evening; Fall; Spring)

A comprehensive study of composers and masterworks in the orchestral idiom from the 18th century to the present, with special emphasis on style, structure and doctrines of taste. This course is intended to encourage an understanding of orchestral music in sufficient depth to permit individuals to pursue an interest in this field and to acquaint students with symphonic masterworks. Offered in odd years. (Students may not take both MU 203 and MU 204.)

204

The Symphony

(4 credits; day; Spring)

Survey of the development of symphonic orchestral music from its origins to the present. Includes the study of significant composers, symphonies and various styles of music. Encourages perceptive listening to the standard repertoire and is designed to develop a lasting understanding of concert music. Offered in odd

years. (Students may not take both MU 203 and MU 204.)

205

Music in History I

(4 credits; Fall)

Survey of music in history from ancient times to the end of the 18th century. Emphasizes significant developments in music against the background of historical events having impact on the arts of the times. No prior knowledge of music is necessary. Offered in even years.

206

Music in History II

(4 credits; Spring)

A chronological study of developments in music from the 18th century to the present. Includes significant composer, masterworks, characteristics of style and important social, political and economic factors having an influence on music and the allied arts. No prior knowledge of music is necessary. Offered in odd years.

215

Broadway Musicals

(4 credits; Evening Fall; Day Spring)

Survey course tracing the development of musicals from the early 20th century to the present. Studies include the evolution of various styles, important composers, librettists and lyricists, and common performance practices. Considering significant social trends as they impact on this art form enhances perspective. This course is designed to acquaint students with the elements of this kind of drama with music and to enhance aesthetic pleasure through enlightened observation and timely indulgence. No prior knowledge of music is necessary.

301

Music with Computers

(4 credits; Evening; Fall; Spring)

An introductory course in the use of music software for arranging, composing, and recording music, stressing the skills of melodic, harmonic, and rhythmic functions in the practical applications of the basic theory aspects of creative writing.

Prerequisites: MU 101 and 102 or the equivalent.

307

Survey of Opera

(4 credits; Evening; Fall, Summer)

A comprehensive study of the evolution of opera from its beginning to the present. This course is designed to enhance the study of dramatic music as a total art form and to acquaint students with the significance and intrinsic values of opera against the background of social change.

MUSIC at Arcadia University

Includes the detailed study of significant composers and operas; and the music, plots, characters and musical themes related to each. Offered in odd years.

308

20th Century Music

(4 credits; Evening; Fall)

Detailed study of the composers, trends, styles and techniques in music beginning with the breakaway from the Romanticism of the 19th century until the present. Special consideration is given to various philosophies, aesthetics and performance media. Fundamental concepts of music appreciation and listening technique are stressed, in order to further the understanding of contemporary music through a study of recent experiments and the social changes which have given rise to them. Offered in even years.

310

Survey of Music in America

(4 credits; Evening; Spring)

A comprehensive survey of American music from primitive times until the present. Emphasizes contributions of American composers, performers, conductors and musicologists, through a wide variety of musical examples presented in perspective with social implications. Offered in odd years.

341

Swing and the Big Bands

(4 credits; Fall, Summer)

The comprehensive study of the Swing Era and the Big Bands from the roaring twenties, through the great depression and World War II. An emphasis is placed on the music and those who created it, against the background of the social economic and political aspects of the times, and the technological developments that contributed to the spread of the art form. Offered in even years.

374

Music in the Classical Period

(4 credits; Spring)

The music of Mozart, Haydn, Beethoven and their contemporaries. A thorough study of 18th century styles and masterworks in every genre, with special emphasis on the lives and times of the composers. This course stresses techniques of listening and doctrines of taste unique to the music of the Age of Enlightenment and Revolution. Offered in even years.

375

Modern Arranging Seminar I

(4 credits; Fall, Summer)

The comprehensive study and practical application of existing and original materials for

various kinds of professional and school-performing organizations. A course designed to acquaint students with the art of arranging in order to enhance their skills and perspective in the creative utilization of functional materials for practical use. Offered in even years.

376

Seminar in Composition I

(4 credits; Spring, Summer)

Seminar in creative work in the various techniques, devices, and methods of organization employed in the art of composition. A course designed to acquaint the students with the various organizational styles of composing music, with the general objective of having them develop choices of their own in order to establish unique compositional languages. Offered in odd years.

389

Independent Study

(4 credits; Fall, Spring, Summer)

Individualized study guided by a member of the faculty and reviewed by two professors, one of whom must be from outside the discipline of music. Scholarly research, creativity and interdisciplinary subjects are encouraged. Frequent consultations and a final paper are required. A fundamental knowledge of music is presumed and departmental approval is prerequisite.

Philosophy and Religion

at Arcadia University

Global Perspectives...Personal Attention...Real-World Integrative Learning Experiences

Faculty

Professor

Dr. Finbarr O'Connor (Chair)

Assistant Professor

Dr. Richard Arras

Degree

Bachelor of Arts in Philosophy

Minors

Philosophy
Religion

Related Fields of Study

Students can earn a Bachelor of Arts (B.A.) degree and preparation for certification in Elementary Education from Arcadia University and a Jewish Teaching Diploma from Gratz College.

Related Graduate Study at Arcadia University

Master of Arts in Humanities with

Concentrations in History, International Studies, Philosophy or Religion (See Graduate Catalog.)

Pathways to Study Abroad

Philosophy majors are encouraged to spend a semester or year studying overseas. Exciting opportunities are available through Arcadia's Center for Education Abroad and are relatively easy to arrange. With prior approval, courses taken at foreign universities can be transferred to Arcadia to fulfill Undergraduate Curriculum requirements, including major requirements. A list of Philosophy and Religion courses that transfer is available from the Chair of the Department.

Generally, the sophomore and junior years are the most convenient time for Arcadia students to study abroad, although the second semester of the freshman year and the first semester of the senior year also are possibilities.

Arcadia University has special arrangements with universities or runs its own programs in

China, England, Scotland, Wales, Northern Ireland, Australia, France, Greece, Italy, India, Ireland, South Africa, Spain, New Zealand and Tanzania.

Visit the University's Web site for Pathways to Study Abroad (www.arcadia.edu/pathways) and suggested course sequences. Since it is important that students plan ahead for study abroad, they should consult with their advisers as soon as possible and make their intentions known to the Department Chair and the Director of International Services.

About the B.A. in Philosophy

- Preparation for graduate school
- Preparation for teaching
- Preparation for careers in law, journalism, and more
- Opportunities to study abroad at some of the top universities in the world

Philosophy—the pursuit of wisdom—has traditionally been a steppingstone to graduate school and teaching at the college level. A major in Philosophy is also an asset for graduate work in law, journalism, diplomacy, civil service and management.

Students study methods of philosophical inquiry, the nature of knowledge, theories of reality and human nature, freedom and determinism, and the status of values.

The Philosophy degree offers a balanced introduction to philosophy as both a theoretical and applied discipline. Effort is made to show the relationships of philosophical thought to art, education, history, literature, mathematics, religion, science, and current events.

Minor in Religion: A Religion minor offers an opportunity for academic study as well as personal exploration of religion. The minor is based on a widely accepted, two-fold definition of religion: "religion" as an organized belief, practice or institution, and "religion" as ultimate concern, which is the fundamental basis of all reality, giving meaning to life out of personal conviction and commitment.

Jewish Education: In cooperation with Gratz College, Arcadia also offers a special program

Philosophy and Religion at Arcadia University

in Jewish Education. Students receive a B.A. degree and preparation for certification in Elementary Education from Arcadia University, and a Jewish Teaching Diploma from Gratz College.

Requirements for the Bachelor of Arts in Philosophy

(32 credits as listed below, plus Undergraduate Curriculum requirements and electives to total 128)

Eight courses in Philosophy

PL 150	Introduction to Philosophy
PL 155	Applied Logic
or PL 160	Symbolic Logic
PL 175	Ethics
PL 308	The Greek Mind
PL 310	20th Century Philosophy
PL 399	Senior Project
Two Philosophy electives	

Requirements for the Minor in Philosophy

(20 credits as listed below)

Five courses in Philosophy

PL 150	Introduction to Philosophy
Four Philosophy electives, chosen by the Department on the basis of individual interests and needs	

Requirements for the Minor in Religion

(20 credits as listed below)

Introductory course

RE 101	Exploring Religion (required of all minors)
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Religion and Culture courses

RE 322	Religion and Personality: The Psychology of Religion
RE 328	The Future in Science and Religion
RE 113	Contemporary Religious Problems
RE 317	Religion and Its Expression in Literature

Scripture courses

RE 115	Understanding the Old Testament
RE 116	Jesus and His Contemporaries: Understanding the New Testament
RE 117	Essentials of Judaism

World Religions course

RE 114	Living Religions of the World
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University Seminar Courses (US)

208

Great Trials in History

(4 credits)

This University Seminar explores a dozen famous trials chosen to represent conflicts in different areas of intellectual and cultural/social history including philosophy, religion, science, art, and literature. Subjects include Socrates, Galileo, the Salem Witch Trials, John Brown, Oscar Wilde, the Scopes Monkey Trial, Nuremberg, and Robert Mapplethorpe. Texts include books, films, articles, and Web sites.

NOTE: US 208 can count toward the Criminal Justice, History and Philosophy majors and minors.

230

International Computer Ethics

(4 credits)

This University Seminar examines the ethical consequences of the expansion of computer usage in our society and internationally. The course aims to give students a solid grounding in ethics in general and the ethical dilemmas which are unique to computer applications.

NOTE: US 230 can count toward the Computer Science or Computing Technology majors and minors or the Philosophy major and minor.

Philosophy Courses (PL)

150

Introduction to Philosophy

(4 credits; Fall, Spring)

This course introduces the methods of philosophical inquiry. It includes the nature of knowledge, theories of reality and human nature, freedom and determinism, and the status of values. It incorporates lecture and discussion.

Philosophy and Religion at Arcadia University

155

Applied Logic

(4 credits; Spring)

Study includes the principles and strategies of reasoning drawn from informal logic and problem-solving. This course includes methods of problem representation, decision making, fallacies, argument construction and evaluation. It incorporates lecture, discussion and practice in techniques.

160

Symbolic Logic

(4 credits, day; Fall)

(3 credits, evening)

This course studies symbolic logic from sentential logic to the logic of quantifiers and relations. It introduces truth tables, truth trees, natural deduction, elementary theorems of consistency and completeness. It includes lecture, discussion and extensive practice exercises in pertinent techniques.

165

Occupational Ethics

(3 credits; Fall, Spring)

Consideration of the role of values and ethical principles in the workplace includes general issues of business practice (for example, corporate responsibility, truth in advertising, treatment of employees) and also issues raised by some specific professional practices, especially healthcare professions (for example, regulation by codes, ideas of informed consent, allocation of scarce resources, confidentiality).

175

Ethics

(4 credits; Fall, Spring)

Examination of theories of the nature, function and ground of moral judgment is through the works of such philosophers as Aristotle, Hume, Mill and Kant. It includes contemporary value conflicts (e.g., capital punishment, abortion, truth telling) and incorporates lecture and discussion.

US208

Great Trials in History—See listing above under University Seminar Course.

223

Philosophy in Literature

(4 credits; Spring)

This study of basic philosophical issues as expressed in significant works of literature includes such leading figures of the 19th and 20th centuries as Nietzsche, Santayana, Kierkegaard, Sartre, Camus and others. Offered in odd years.

Prerequisite: permission of the instructor.

US230

International Computer Ethics—See listing above under University Seminar Course.

245

Political Thought

(4 credits; Fall)

This survey of political theory is through the classic writings of Plato, Aristotle, Aquinas, Hobbes, Locke, Rousseau, Bentham, Marx, Rawls and others. It includes rights, the public interest, social contract, liberty, equality and justice. Offered in odd years.

275

Ethics in Film

(4 credits; Fall)

An exploration of how all the basic ethical perspectives, such as egoism, relativism, utilitarianism, deontology, and virtue theory paradigms, can be found in and illustrated by films. Some specific ethical dilemma paradigms, such as truth versus loyalty, individual versus community, justice versus mercy, are examined. About 12 films are assigned, some to be viewed in class and some out of class. Students do a mid-term and a final exam, two formal papers and other informal writing.

308

The Greek Mind

(3 credits; Spring)

This course is an overview of the roots of Western philosophy from the pre-Socratic period through Socrates, Plato, Aristotle and leading Hellenistic thinkers. It incorporates lecture and discussion. Offered every third year.

309

Modern Philosophy

(4 credits; Spring)

This survey of philosophy is from the 17th through the 19th centuries, from Bacon to Nietzsche. It includes the responses to the scientific revolution, the roots of rationalism and empiricism and the romantic reaction of the 19th century. Offered every third year.

310

20th Century Philosophy

Not regularly scheduled.

320

Philosophy of Science

Not regularly scheduled.

330

Understanding Knowledge and the Mind

(4 credits; Spring)

This course studies theories of knowledge (skepticism, rationalism, empiricism, pragmatism), and theories of mind (dualist,

Philosophy and Religion at Arcadia University

materialist, functionalist) and associated concepts such as action, thinking, representation and consciousness. It presents readings from both classic and contemporary sources. Offered every third year.

Prerequisite: junior standing.

389

Independent Study

Research project on a major philosopher is selected according to individual interests and needs. It provides direction in critical, analytical, argumentative and creative approaches.

Prerequisites: Four courses in philosophy and permission of the instructor.

499

Senior Project

(4 credits; Fall, Spring)

Independent study of major works selected from classical and contemporary philosophies.

Religion Courses (RE)

101

Exploring Religion

(4 credits; Fall, Spring)

This systematic approach to the diversity and significance of religion explores what religion is and how it is studied. It considers myth, ritual, belief, scripture, art and the spectrum of the world's religions. It investigates issues such as the problem of God, death and last things, evil and suffering, paths to salvation, religion and group identity, and religion and technology.

113

Contemporary Religious Problems

(4 credits; Fall)

Introduction to religious ethics uses resources of theology, natural and social sciences in seeking solutions to contemporary dilemmas of personal life and society. It explores specific problems determined by interests of the class. Possible topics include sexual conduct, abortion, racial, ethnic and sexist prejudice, employment, business and medical ethics, pacifism and future religion.

114

Living Religions of the World

(4 credits; Fall, Spring)

This introduction to religion in prehistoric and primitive cultures studies the major non-Western religions of the Near East and the Far East, with special attention to origins and development, beliefs, ethical standards and ritual practice. It includes lectures, discussion and individual research.

115

Understanding the Old Testament

(4 credits; Fall, Spring)

This is a study of the Hebrew Scriptures through assigned readings in the English translation of the Old Testament. Class lectures and discussions emphasize understanding of the text in the context of the historical background as well as the genre of literature in which each individual book was written. A summary review of the content and basic intent of each book is considered as well as its placement in the whole collection of books traditionally accepted as the Old Testament.

116

Jesus and His Contemporaries: Understanding the New Testament

(4 credits, Spring)

This is an exploration of the birth of Christianity out of ancient Judaism against the background of Roman government and Hellenistic culture. It views the New Testament as a set of attempts to evaluate the impact of Jesus of Nazareth on human lives in terms of Greek rationality and the impact of Hebraic commitment on history as the matrix of meaning.

117

Essentials of Judaism: Major Beliefs and Practices

(4 credits, Spring)

This study of the development of Rabbinic Judaism as an outgrowth of Biblical civilization considers major value concepts of Rabbinic Judaism: God, Israel, Torah; faith and reason; nationality and universality; and Messianism.

118

Judaism Through the Ages

Not regularly scheduled.

119

Understanding Islam

(4 credits)

This course studies the religion of Islam. Students learn about the birth and evolution of the faith, its basic tenets, concepts of God, prophets, leaders, sects, practices and rituals, offshoots, and schools of law.

224

History of Christian Thought

Not regularly scheduled.

225

Contemporary Religious Thought

Not regularly scheduled.

317

Religion and Its Expression in Literature

Not regularly scheduled.

Philosophy and Religion at Arcadia University

322

**Religion and Personality:
The Psychology of Religion**
Not regularly scheduled.

328

The Future in Science and Religion
Not regularly scheduled.

356

Topics in Biblical Studies
Not regularly scheduled.

389

Independent Study

Individual research is at an advanced level on a religious topic of special interest. It provides the opportunity to develop research methodology under the supervision of the instructor. It combines the collection and analysis of data, the summary and evaluation of results, and effective organization and presentation.

Prerequisite: Permission of the instructor.

Political Science

at Arcadia University

Global Perspectives...Personal Attention...Real-World Integrative Learning Experiences

Faculty

Professor

Dr. Finbarr O'Connor

Associate Professors

Dr. Joan Thompson (Co-Chair)

Dr. Robert Thompson (Co-Chair)

Assistant Professors

Dr. Warren Haffar

Dr. Angela Kachuyevski

Adjunct Professors

Michael Archie, J.D.

Christopher Cerski, J.D.

Amy Cox, M.A. IPCR

Sandra Jones, M.A. IPCR

Degree/Concentrations

Bachelor of Arts in Political Science

International Politics

Pre-Law and Political Theory

U.S. Politics and Policy

Minors

Political Science

Pre-Law

Options

International Studies Minor

Secondary Education Certification in Social Studies

Related Undergraduate Study

Bachelor of Arts in Global Legal Studies

Related Graduate Study at Arcadia

Master of Arts in International Peace and Conflict Resolution (4+2 program)

Master of Arts in International Relations and Diplomacy (American Graduate School of International Relations and Diplomacy in Paris, France)

Pathways to Study Abroad

Political Science majors are urged to study abroad for a year or a semester, or whatever time period works for them. For example, the

Department has sponsored one-week overseas opportunities in Europe and Asia for Model United Nations conferences.

Political Science majors can plan to study abroad during any semester except the fall of their senior year due to the required senior thesis seminar course offered at that time.

Ideally, students should try to enroll in political science courses at an international university that are not offered on the Glenside campus, giving students a unique opportunity to interact with other students, faculty and public officials from another culture and political system.

Visit the University's Web site for Pathways to Study Abroad (www.arcadia.edu/pathways). Since it is important that students plan ahead for study abroad, they should consult with their advisers as soon as possible and make their intentions known to the Department Chair and the Director of International Services.

About the B.A. in Political Science

- Preparation for graduate study in politics, peace and conflict resolution, international relations or law
- 4+2 with Arcadia's International Peace and Conflict Resolution Master's program
- Preparation for careers in government, foreign service, non-governmental organizations, public service, education, or management
- Concentration in international politics
- Concentration in U.S. politics
- Concentration in pre-law and political theory
- Opportunities to travel with Model UN team
- Internships available in Pennsylvania, Washington, D.C, British Parliament, Scottish Parliament and more
- Senior Capstone courses that integrate classroom learning with real world experiences
- Opportunities to study at American Graduate School of International Relations and Diplomacy in Paris, France
- Opportunities to study at some of the top universities around the world

Political Science at Arcadia University

Political science focuses on the theory and practice of politics and the analysis of political systems and behavior. It explores who has power, how they acquire it, and what they do with it. Courses in international and domestic politics encourage students to think critically and to strengthen their skills in the oral and written presentation of ideas.

Since governmental decisions and the pursuit of power have relevancy to nearly all disciplines, the curriculum is designed for both Political Science majors and students from other programs.

Political Science majors can be recognized for developing expertise in one of three areas:

- International Politics
- U.S. Politics and Policy
- Pre-Law and Political Theory

A concentration, however, is not required for the Political Science major.

Political Science graduates have entered the fields of government, law, foreign service and international affairs, social service, urban planning, public service, education, human resources, international business and sports management.

Class activities include debates, simulations, student presentations, guest speakers and field trips. The Department sponsors an award-winning Model UN team, which participates in domestic and international Model UN simulation.

Students also study abroad through Arcadia's Center for Education Abroad at sites in Europe, Asia, Africa, China and more. The Department helps students locate internships in foreign policy research, international affairs, victim assistance, legal research and writing, and political campaigning.

Exciting internship opportunities are available through the American University Washington Semester Program and the Washington Center.

Senior Capstone Experience: Political Science majors will complete a two-semester capstone course that challenges them to integrate their education, interests and career plans.

Bachelor of Arts in Political Science

The Bachelor of Arts degree program prepares students to pursue careers in law, politics, international affairs, foreign policy, public administration, urban planning, public relations, trade associations, teaching or private industry. Although the program does not limit students to specific tracks, three optional concentrations are available that each require experiential learning via study abroad or an internship.

Pre-Professional Concentrations

The Political Science major offers students flexibility with optional concentrations in International Politics, U.S. Politics and Policy, and Pre-Law and Political Theory.

Students who want to pursue graduate study in peace studies, foreign policy or international affairs should pursue a concentration in international politics and add an intermediate modern language course. The U.S. Politics and Policy concentration provides a foundation for graduate study in public policy, public administration, urban planning and political science. The Pre-Law and Political Theory concentration offers preparation for paralegal positions and a foundation for law school. Political Science majors also can prepare to attend graduate programs in business administration, health administration, education or other fields by selecting appropriate courses in consultation with their adviser.

International Relations and Peace Studies

Students interested in international relations or peace studies should choose a Political Science major with the International Politics concentration. It is also possible to pursue the University's 4+2 program to earn a Master of Arts in International Peace and Conflict Resolution.

There are many other ways to prepare to play a role in international affairs, but the most important prerequisite for a successful career is study abroad for a semester or a full year.

Legal and Paralegal

Students interested in law often choose to major in Political Science. Courses recommended for pre-law students are listed in the Pre-Law and Political Theory concentration and under the Pre-law Minor.

Political Science at Arcadia University

Study abroad is also highly recommended for pre-law students.

Internships

The Political Science Department offers two internship programs designed to be taken during the summer (off campus) or during either the fall or spring semester, in addition to other coursework (refer to PS 324 Pre-Law Intern Program and PS 380 Political Internship). International internships are available through Arcadia's Center for Education Abroad.

Political Science majors are urged to do an internship during either the junior year or the first or second semester of the senior year. This experience will help them in PS 490/491 Senior Thesis Seminar. It also will assist them in deciding what career to pursue after graduation and provide them with valuable personal and professional references.

Arcadia University participates in the Washington Semester Program and the Washington Center Program. Each offers an off-campus experience of seminars and internship, utilizing the resources of the Washington political community. For more information contact Dr. Joan Thompson.

Minor in Political Science

The minor in Political Science supplements many major programs, especially International Studies, Communications, Health Administration, and Business, by enabling students to understand how political processes operate and by strengthening oral and written communication skills. Pre-law students, regardless of major, can complete the Pre-Law minor and/or a minor in Political Science. Arcadia also offers a B.A. in Global Legal Studies that requires students to take two law courses abroad. This is a Majors Abroad Program (MAP). See a separate entry for this major.

Requirements for the B.A. in Political Science

(40 credits as listed below, with Undergraduate Curriculum requirements and electives to total 128 credits)

1. Four core courses:

PS 101 American Politics

PS 150 Comparative Politics
PS 241 International Relations
PL/PS 245 Political Thought
or PS330 American Political Thought

2. PS 490/491 Senior Seminar and Senior Thesis

3. Four Political Science electives, at least two of which must be at the 300 level. PS 330 can count as either the theory course or a 300-level elective, but not both. Internships (PS 324 and 380) count toward the major, but do not count as 300-level elective courses. Any of the political science courses that are offered through Arcadia's College of Global Studies can be used as Political Science electives. Comparative politics/area studies courses also can be taken abroad with prior approval from the student's Department adviser.

4. Students are strongly encouraged to take MA 141 Elementary Statistics to fulfill the Undergraduate Curriculum Quantitative Reasoning requirement before taking PS 490 Senior Seminar in Political Science. If students are considering graduate school, they should definitely take MA 141 Elementary Statistics.

Requirements for the Three Optional Concentrations

International Politics Concentration

(A minimum of 20 credits of the 40 credits required for the major from the list below or study abroad courses with prior approval)

PS 150 Comparative Politics
PS 225 Politics of the Developing World
PS 240 United States Foreign Policy
PS 241 International Relations
PS 243 Introduction to Peace and Conflict Resolution
PS 335 Politics of Russia and East Europe
PS 370 International Human Rights
PS 421 International Organizations

Political Science at Arcadia University

Study Abroad (One course/experience recommended)

ID 181	International Experience
ID 281	International Research Experience
ID 381	Field Study Abroad
PS 280	International Model United Nations
Semester or Academic Year Abroad (with 300-level courses available)	

Pre-Law and Political Theory Concentration

(A minimum of 20 credits of the 40 credits required for the major from the list below or study abroad courses with prior approval)

PS 110	Law and the Legal Process
PS 220	American Constitutional Law
PS/PL 245	Political Thought
PS 330	American Political Thought
PS 340	The Judiciary
PS 370	International Human Rights

Internship Required
(4 credits)

PS 324	Pre-Law Intern Program
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U.S. Politics and Policy Concentration

(A minimum of 20 credits of the 40 credits required for the major from the list below or study abroad courses with prior approval)

PS 101	American Politics
PS 210A	Politics and Media
PS 210B	Political Parties and Interest Groups
PS 215	Gender Roles and Family Policy
PS 220	American Constitutional Law
PS 230	Environmental Policy
PS 240	United States Foreign Policy
PS 340	The Judiciary
PS 350	The Presidency
PS 360	The Congress

Internship Required
(2 or 4 credits)

PS 380	Political Internship
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Requirements for the Minor in Political Science

Five or more courses totaling 18 to 20 credits are required, including no more than two courses at the 100 level and at least one course at the 300 level. Students should choose their courses with their adviser to ensure a valid relationship with their major program. Minors may focus on public law and political theory, U.S. politics and policy, or comparative and international politics, or combine these areas according to their own interests.

Pre-Law Minor

Adviser

Associate Professor Dr. Joan Thompson

Since the Association of American Law Schools stresses a broad liberal arts background as the most appropriate training for law school, most pre-law students choose to major in Political Science, History, English, Philosophy, or Sociology. The Pre-Law minor helps students to determine if they have an aptitude and interest in law and provides a background for law school coursework. There are no prerequisites for law school, and law schools do not prefer applicants with multiple courses labeled "pre-law." The minor, however, will help students to build a strong liberal arts education with challenging courses that require them to analyze and evaluate conflicting ideas and to communicate effectively orally and in writing.

The Pre-Law minor is designed to complement any liberal arts major and to help students determine if they should invest in further education in either law school or a paralegal program to supplement their B.A. degree. Although not all paralegal programs require a college degree, a B.A. degree is an advantage in the field. Some Arcadia graduates have been hired as paralegals based upon their pre-law coursework alone. They gained further training on the job, rather than in a paralegal program. Planning several years of full-time work experience as a paralegal or in another law-related career, before attending law school, is a common strategy.

Requirements for the Minor in Pre-Law

The minor requires 24 credits. Study abroad is highly recommended for pre-law students because it will provide them with a broader perspective on human society and it will distinguish their applications from those of students who have not lived and studied in another culture. Students can count no more than one course toward both their major and the minor in Pre-Law. Students cannot take more than 52 credits in one discipline for credit toward graduation, but some students take more than the minimum number required for their major or minor. Since a minor is not required for graduation, students can use courses for the Pre-Law minor to fulfill their Undergraduate Curriculum requirements as well. Arcadia also offers a B.A. in Global Legal Studies that requires students to take two law courses abroad. This is a Majors Abroad Program (MAP). See a separate entry for this major.

1. (12–14 credits as listed below)

PS 220	Constitutional Law
PS 324	Pre-Law Intern Program
EC 211	Principles of Microeconomics
BA 201	Financial Accounting
Recommended Courses	

2. (A minimum of 10 credits chosen from the courses listed below)

At least two courses from the following:

EN 199	Interpreting Literature
CM/EN 213	Writing and Communications
PL 155	Applied Logic
CM 215	Informative and Persuasive Speaking

At least one course from the following:

EC 210	Principles of Macroeconomics
BA 202	Managerial Accounting
PS 101	American Politics
PS 110	Law and the Legal Process
HS 117	American History to 1865
HS 118	American History Since 1865
PS 243	Introduction to Peace and Conflict Resolution
PL/PS 245	Political Thought
PS 330	American Political Thought

PS 340	The Judiciary
PL 150	Introduction to Philosophy
CJ 160	Crime and Punishment

Additional recommended courses:

TH 140	Fundamentals of Acting
TH 141	Role Play and Improvisation
CM 110	Speech Communications
HS 330	Recent America 1900 to 1945
HS 331	Contemporary America 1945 to Present
LH 330	The English Legal System (City University, London)
EN 439	Theories of Rhetoric (a graduate course open to seniors by permission)

Other advanced humanities and social science courses are highly recommended, especially if taken during a semester or year studying abroad. Any course, regardless of field, that furthers the development of clear and systematic thinking, the command of the English language (both written and oral), and a broad understanding of society constitutes sound preparation for the study of law. A background of outstanding extracurricular activities supplements the academic record and serves to build and demonstrate communication and leadership skills.

The Pre-Law adviser is responsible for advising students interested in the Pre-Law minor and determining if courses taken abroad will count toward the minor. The Law School Admissions Test (LSAT) is required of every applicant to law school, and students are strongly encouraged to take a preparation course. Do not take the LSAT for practice. It is recommended that this test be taken in June before the senior year. Interested students should see the Pre-Law adviser for an application timeline and advice concerning the LSAT and the personal essay. Students apply directly to the Law School Admission Council (www.lsac.org), which offers practice materials online and administers the test at five convenient Philadelphia locations. All students interested in legal careers should contact the Pre-Law adviser early in their University program. The adviser works with students to develop a program suitable to their interests, including legal fields such as corporate, international, criminal, family, healthcare and the environment.

Political Science Courses (PS)

101

American Politics

(4 credits; Fall, Spring)

Overview of the American political process as an experiment in self-government. Considers the nature and character of Americans and their democracy. Examines parties, elections, voting, the presidency, Congress and the courts through readings, films, lectures and discussions.

110

Law and the Legal Process

(4 credits; Spring)

Introduction to criminal law, civil law, constitutional law and legal reasoning. Examines legal education, due process, courtroom participants and alternatives to trials in the framework of the pursuit of justice. (Note: Pre-law students should take this course in the spring of their first year.)

150

Comparative Politics

(4 credits, day; Fall, Spring)

(4 credits, evening; Summer)

Comparison of the political culture and governmental structure of various nations with one another and with the United States. Examines the established and emerging democracies of Europe and the developing nations. Focuses on England, Germany, Russia and a developing nation.

210A

Politics and Media

(2 credits)

210B

Political Parties and Interest Groups

(2 credits; Fall)

Examination of the media, political parties and interest groups as links between voters and government. Includes news coverage, presidential selection, political advertising, political consultants, public opinion surveys, lobbying tactics and campaign finance. Considers the impact of television and the possibility for partisan realignment or de-alignment in a media age.

Two-credit courses meet for one-half semester. Students may elect either or both courses. Offered in even years.

215

Gender Roles and Family Policy

(4 credits; Fall)

Examination of civic obligations and gender differences in political participation, political candidacy and public service at the local, state and national levels. Introduces domestic family issues such as education, pregnancy, childcare, poverty and violence. Includes an experiential learning or community service component. Offered in odd years.

220

American Constitutional Law

(4 credits; Fall)

Examination of the constitutional foundations and development of America's governmental institutions through analysis of leading Supreme Court cases. Studies the principles of constitutionalism, federalism, separation of powers, civil liberties, civil rights and judicial review. Students read, brief and report on cases to the class.

225

Politics of the Developing World

(4 credits; Fall)

Introduces the major concepts, issues and challenges of politics in the Developing World. Examines the legacy of colonialism, regime types, civil-military relations, corruption, ethnicity, religion and culture, the debt crisis and economic development using examples from countries from Africa, Asia, Latin America and the Middle East. **Prerequisite:** PS 150 or permission of the instructor.

228

Latin American Politics

(3 credits; Fall)

Examination of the politics of Latin American nations, including the transition to democracy from an authoritative regime, the breakdown of democracy, the pressure for economic and social reforms, and the relationship between democracy and development. Focuses on the political, economic and social challenges facing Brazil, Chile, Cuba and Mexico.

Prerequisite: PS 150 or instructor permission..

230

Environmental Policy

(4 credits, day. Spring)

(3 credits, evening. Spring)

Examination of governmental regulations and policy development in terms of participants, agenda setting, enactment, implementation and cost/benefit evaluation. Consideration of issues such as health research and technology, universal health insurance coverage, health care quality and cost control, natural resource management, toxic waste disposal, global temperature change and trading of pollution credits. Offered in even years.

Political Science at Arcadia University

240

United States Foreign Policy

(4 credits; Spring)

Study of foreign policy components, such as the President, State and Defense Departments, Congress and the CIA and how they combine in foreign policy formulation. Analyzes current American foreign policy toward various global areas. Offered in even years.

241

International Relations

(4 credits; Fall, Spring)

Survey of the development and major characteristics of the state system; the elements of national power; the instruments of international relations; and their general application within the international community. Focuses on specific international problems.

243

Introduction to Peace and Conflict Resolution

(4 credits; Fall)

Introduces the concepts and techniques of Conflict Resolution beginning with interpersonal relationships, but focusing primarily on the international community. Provides an introduction to international organizations and international law. The class uses case studies of actual conflicts and simulates the United Nations.

245

Political Thought

(Also listed as PL 245)

(4 credits; Fall)

Survey of political theory through the classic writings of Plato, Aristotle, Aquinas, Hobbes, Locke, Rousseau, Bentham, Marx, Rawls and others. Includes rights, the public interest, social contract, liberty, equality and justice. Offered in odd years.

280

International Model United Nations

(2 credits; Spring)

A unique course with a travel component and an opportunity for the students to research and represent another nation's perspective on controversial issues in a United Nations simulation, sponsored by Harvard University. In recent years, this course has traveled during spring semester for about a week to China, Switzerland and Mexico. The 2009 program will be in the Netherlands. Pass/Fail. Travel expenses vary. No more than 4 credits total can be earned for model U.N. programs.

Prerequisite: Permission of the instructor. No first-year students.

285

Selected Topics in Political Science

(2 or 4 credits; Fall, Spring)

Exploration of selected topics, such as Politics and Film. Topics vary according to the mutual interests of students and faculty.

Two-credit courses meet for one-half semester. May be elected for more than one topic.

324A, B

Pre-Law Intern Program

(2 credits Placement; Fall, Spring, Summer)

(2 credits Classroom; Spring)

Central course of the Pre-Law Program. Introduces the daily routine of the legal profession. Includes observation of courtroom proceedings and participation in legal research. Requires a minimum of five contact hours per week during a ten-week internship with a legal firm or other placement. A learning contract is required.

Prerequisite: Junior standing; or permission of the pre-law adviser.

330

American Political Thought

(4 credits; Fall)

Examination of ways in which American political thinkers, leaders and contemporary commentators have dealt with the issues of power, equality, sovereignty and representation. Focuses on the relationship between abstract political concepts and practical politics in American political thinking. Offered in even years.

Prerequisite: Junior standing; or permission of the instructor. PS 101 American Politics strongly recommended.

335

Politics of Russia and East Europe

(4 credits; Fall)

Examines the disintegration and collapse of communism in the Soviet Union and East Europe from Stalin to Gorbachev and Yeltsin. Explores the fears, frustrations and the hopes of the people of these emerging democracies as they face political, economic and social reconstructive tasks of enormous magnitude.

Prerequisites: PS 150 and PS 241 or Permission of the instructor.

340

The Judiciary

(4 credits; Spring)

Examination of the roles of courts and judges, especially Supreme Court Justices, in the American political system. Includes the recruitment and socialization of judges, the political framework in which they function, the factors which influence their decisions and the

Political Science at Arcadia University

impact of their decisions on the American political system. Offered in odd years.

Prerequisite: Junior standing; or permission of the instructor. PS 101 American Politics strongly recommended.

350

The Presidency

(4 credits; Fall)

Analysis of the nature and role of the American presidency. Examines the contemporary institution of the presidency and its effectiveness. Discusses the sources of presidential power, the constitutional basis of the presidency, the role of the executive office and the White House Staff, and the relationship between personality traits and the exercise of presidential power. Offered in odd years.

Prerequisite: Junior standing; or permission of the instructor. PS 101 American Politics strongly recommended.

360

The Congress

(4 credits; Spring)

Comparison of the styles of legislators under varying circumstances: winning election, retaining home voter support, adapting to Congress and legislative peers, relating to leadership, bargaining with interest groups and meeting the press. Evaluates the goals of legislators and their relationship to the executive. Debates whether Congress deserves its poor public image.

Prerequisite: junior standing; or permission of the instructor. Offered in even years.

370

International Human Rights

(4 credits; Spring)

Since the end of the Cold War, one of the major challenges facing the international community has been the interrelated problems of defining human rights and protecting those rights. The rhetoric of humanitarian intentions, unfortunately, has often served as a cover for the actual neglect of human rights. This course examines the nature and evolution of human rights, the problems entailed in humanitarian action and the potential for building a viable international human rights regime.

Prerequisite: Junior or senior status.

380

Political Internship

(2 or 4 credits; Fall, Spring, Summer)

Internship in Philadelphia or elsewhere, selected in consultation with faculty advisers according to special interests. Placement possibilities include federal, state and local government agencies; community organizations; political campaigns; public and private institutions; and other agencies

dealing with political concerns. A learning contract is required. Pass/Fail. Credit may vary depending upon the scope of the commitment and the provisions of the learning contract.

Prerequisite: Junior standing; or permission of the instructor.

385

Special Studies in Political Science

(2 or 4 credits; Fall, Spring)

In-depth exploration of selected topics, such as Literary Perspectives on American Politics or a seminar on a specific nation or area. Topics vary according to the mutual interests of students and faculty. Two-credit courses meet for one-half semester.

Prerequisite: Junior standing; or permission of the instructor. May be elected for more than one topic.

389

Independent Study

Directed in-depth reading and research devoted to specific topics in political science and government.

Prerequisites: junior standing, 3.0 GPA in the major and overall, and permission of the chairperson and instructor concerned.

421

International Organizations

(4 credits; Fall)

This course covers the role of international organizations in conflict management and resolution, including intergovernmental organizations, regional organizations and nongovernmental organizations.

Prerequisite: PS 241 and senior standing or permission of the instructor.

Cross-listed with IPCR as IP 521. Undergraduate enrollment may be limited.

490

Senior Thesis Seminar

(4 credits; Fall, Spring)

Supervised preparation of a portfolio documenting student learning and containing a culminating written project on a topic selected by the student. Includes opportunities for integration and reflection, collaborative learning, peer review, a career workshop and public oral presentation of the senior thesis. Reviews methodology in political science, incorporates outside evaluation, primary sources and original research.

Prerequisites: senior standing in Political Science; MA 141 Elementary Statistics recommended.

491

Senior Thesis

(4 credits; Spring)

Pre-Medical, Pre-Dentistry Programs at Arcadia University

Global Perspectives...Personal Attention...Real-World Integrative Learning Experiences

Co-Advisers

Professor

Dr. Chester M. Mikulski

Assistant Professor

Dr. Sheryl Smith

Related Fields of Study

Biology
Chemistry
Mathematics
Optometry
Post-Baccalaureate Certificate in the Health
Professions

About Pre-Medical and Pre-Dentistry Programs

Arcadia University offers many programs that satisfy the course requirements for admission to schools of medicine, dentistry, osteopathy, optometry, podiatry and other health-related fields. While pre-medical students usually major in Biology or Chemistry, medical schools will accept students with excellent records regardless of major, provided they have a solid foundation in the basic sciences and mathematics. The Pre-Medical advisers assist students with the application process and choice of schools.

Minimum Recommended Courses

The minimum recommendation of the American Medical Association currently includes the following courses:

BI	101, 102	General Biology I, II
BI	211	Comparative Anatomy and Physiology
	or BI 205, 206	Human Anatomy, Human Physiology
CH	101, 102	Modern Chemical Concepts I, II
CH	201, 202	Organic Chemistry I, II: Structure, Mechanisms and Reactions
PH	201, 202	Fundamental Concepts of Physics I, II
	or PH 211, 212	Conceptual Physics I, II

MA 201

Calculus I (Calculus is required by some, but not all, medical and professional schools.)

Satisfactory performance on the Medical College Admissions Test (MCAT) is required. The MCAT normally is taken in the spring of the junior year or the summer prior to senior year for students planning to enter medical school immediately following graduation. In addition to the minimum science courses, a strong background in the liberal arts and social sciences is recommended, as is volunteer work or an internship in a medical setting. Proficiency in the Spanish language, coursework in bioethics, and study abroad are all considered favorably by professional schools.

Other courses highly recommended as electives include:

BI	204	Genetics
BI	317	Developmental Biology or
	BI 321	Human Genetics and Development
BI	325	Cell Biology
BI	327	Histology
BI	333	Molecular Biology
CH	203	Equilibrium and Analysis
CH	303	Biochemistry or
	BI 340	Biochemistry
SP	240	Spanish for Medical Careers

PRE-NURSING PROGRAM

at Arcadia University

Global Perspectives...Personal Attention...Real-World Integrative Learning Experiences

This is a 2+2 program with Jefferson College of Health Professions at Thomas Jefferson University.

Adviser

Instructor Sarah Cooper

About the Pre-Nursing Program

Arcadia University offers a 2+2 pre-nursing program in affiliation with the Jefferson College of Health Professions at Thomas Jefferson University in Philadelphia, Pa. The four-year traditional pre-licensure Bachelor of Science in Nursing (B.S.N.) is divided into two phases: the prerequisite phase and the professional nursing major. Students complete two years of prerequisite coursework at Arcadia University in science, humanities and related disciplines that lay the foundation for professional studies. The professional nursing major, which is done at the Jefferson College of Health Professions, consists of four semesters of nursing theory and clinical coursework. To receive the pre-licensure B.S.N., each prerequisite and nursing course must be completed with a grade of “C” or better.

The prerequisite courses for the 2+2 program are anatomy and physiology (2 semesters), microbiology, general chemistry (2 semesters), mathematics, statistics, English composition, English elective, general psychology, developmental psychology, abnormal psychology and sociology. Two “selective” courses in American culture or ethnic studies, logic, philosophy or critical thinking and 2 “elective” courses in the arts, humanities or social sciences also are required.

Students who want to apply for transfer to the Jefferson College of Health Professions are required to submit a complete application for admission that includes the following items:

- Completed application form
- Official college/university transcripts from all institutions attended
- Application fee
- Two letters of recommendation
- Personal statement

- For students whose native language is not English and who have not taken the English prerequisites at an institution in the United States, an English proficiency examination is required. A minimum score of 550 (written exam) or 210 (computerized exam) is recommended on the Test of English as a Foreign Language (TOEFL).
- International students must submit an evaluation of foreign transcripts by the World Education Service (WES) or comparable agency.

Jefferson College of Health Professions will guarantee admission to students who desire to transfer from Arcadia University under the following circumstances:

- The student must complete all prerequisite credit requirements prior to enrollment at Thomas Jefferson University.
- The guarantee is extended as long as there are spaces in the entering class.
- A designated Arcadia University representative must recommend the student for admission.
- The student must have a cumulative grade point average of at least a 2.7 on a 4.0 scale. (The Jefferson program of study requires mastery of the physical sciences, and students with at least a 3.0 GPA make the most successful transitions.)
- The student must have earned at least a grade of “C” (a “C-” will not be accepted) in all transferred courses.
- Students with disciplinary or criminal records are excluded from this guarantee.

Jefferson College of Health Professions has rolling admission, and it is recommended that the application be received at least three (3) months prior to the term in which the student desires to transfer. The final decision on any of the requirements of the application process is within the discretion of the Office of

Pre-Medical, Pre-Dentistry Programs at Arcadia University

Admissions and Enrollment Management of
Jefferson College of Health Professions.

1. First Year

Fall

BI 101	General Biology I
EN 101	Thought and Expression I
PY 111	General Psychology
Selective*	

Spring

BI 102	General Biology II
EN 102	Thought and Expression II
PY 205	Abnormal Psychology
Selective*	

2. Summer

CH 101	Modern Chemical Concepts I
CH 102	Modern Chemical Concepts II

3. Sophomore Year

Fall

PY 212	Developmental Psychology
BI 206	Human Physiology
SO 101	Introductory Sociology
MA 141	Elementary Statistics
Elective**	

Spring

BI 205	Human Anatomy
BI 323	Microbiology
HE 481	Nutrition
Elective**	

*Selective courses: American culture or ethnic studies, logic, philosophy, ethics or critical thinking. (American history and Western Civilization are NOT appropriate courses.)

**Elective courses: arts, humanities, and social sciences.

4. Students placing into remedial courses (e.g. MA 095, MA 100, CH 100, EN 100) may not be able to complete this program in two years.

Pre-Physical Therapy Program

at Arcadia University

Global Perspectives...Personal Attention...Real-World Integrative Learning Experiences

4+2¹/₂ Program Leading to Doctor of Physical Therapy Degree

Liaison to the Undergraduate Departments

Assistant Professor of Physical Therapy,
Dr. Scott Stackhouse

Related Graduate Study at Arcadia University

Doctor of Physical Therapy

About the Pre-Physical Therapy Program

This is a 4+2¹/₂ year program leading to the Doctor of Physical Therapy (D.P.T.) degree from Arcadia University. Students frequently pursue an undergraduate major in a discipline such as Biology, Chemistry, Psychology, Sociology, Business or Health Administration, but students can choose any major that captures their interest and that enables them to complete the prerequisite courses.

Prerequisite courses needed for graduate-level study include Biology, Human Physiology, Chemistry, Physics, Psychology and Statistics. The American Physical Therapy Association (APTA) advocates a strong liberal arts background and doctoral training. Its Vision Statement says that by 2020, physical therapy “will be provided by physical therapists who are doctors of physical therapy and who may be board-certified specialists.” The 4+2¹/₂ year program offered by Arcadia University—four years of study leading to a bachelor’s degree plus 2¹/₂ years of graduate study leading to a Doctor of Physical Therapy—meets these recommendations.

The Pre-Physical Therapy program emphasizes the sciences but also includes a well-rounded background in the liberal arts. This combination prepares students for a health care profession in helping people to overcome the effects of disease and injury and in the prevention of health problems.

Students who complete the program are prepared to work as physical therapists in a variety of settings, including hospitals, rehabilitation centers, sports medicine centers,

private homes, nursing homes, schools, private practices, specialized pediatric facilities, and wellness/fitness centers. They also can work as educators, researchers and consultants in a wide variety of organizations.

Students in the Pre-Physical Therapy program pursue any major that enables them to complete the prerequisite courses. Students are strongly urged to work closely with the adviser from the chosen major to coordinate the requirements of the major and the prerequisite courses for graduate-level professional work. It is expected that the prerequisite courses listed below are taken at Arcadia University.

The graduate Physical Therapy program recommends that students take the Graduate Record Exam (GRE) before their senior year. Arcadia undergraduate students who want to be considered for automatic admission must have a completed application into Enrollment Management by **December 15**.

What constitutes a completed application?

A completed application is the application and all of the supporting documents (recommendations, GRE scores, and transcripts). Students using the centralized application service (PTCAS) should allow 4-6 weeks for processing in order to assure delivery to the Arcadia University Office of Enrollment Management by the **December 15 deadline**.

For those who are trying to meet the Assured Admission requirements, all of the criteria in the Arcadia University Undergraduate Catalog (by appropriate year of entry) must be met at the time of the application deadline; however, students are allowed to have some prerequisites courses outstanding.

Arcadia University undergraduate students whose academic records and GRE scores meet the entrance requirements are assured acceptance. Scholarships are based on merit, and assured admission for Arcadia students provides a competitive advantage for scholarships. Students also are encouraged to apply if they meet the general applicant pool requirements but do not meet the assured acceptance criteria. To maintain the ongoing quality of the Physical Therapy program, the

Pre-Physical Therapy Program at Arcadia University

University reserves the right to limit the enrollment in all its offerings.

Pathways to Study Abroad in Physical Therapy

Pre-Physical Therapy majors are encouraged to spend a semester studying abroad. Many exciting opportunities are available. Sophomore year is the most convenient time for students to study abroad. Fall semester of the junior or senior year also is possible. Since 1997, students have taken a range of biology courses in Great Britain, Australia, and New Zealand. In addition, students have completed Undergraduate Curriculum requirements while studying abroad at some of the top universities around the world through Arcadia's College of Global Studies. Students also have completed independent research projects or internships.

Visit the University's Web site for Pathways to Study Abroad (www.arcadia.edu/pathways) and suggested course sequences. Since it is important that students plan ahead for study abroad, they should consult with their advisers as soon as possible and make their intentions known to the Department Chair and the Assistant Dean of International Services.

Minimum Requirements for Assured Admission to the Doctor of Physical Therapy Program For Arcadia University Graduates

Prerequisite courses must be taken through the appropriate department; e.g., Biology, Chemistry, Physics, Psychology.

Requirements for Students Who Enter Arcadia University as Freshmen

These requirements apply to students who begin their undergraduate education at Arcadia University as freshmen (first-year students).

1. Students must have completed the following:
 - Four courses in Biology, including BI 206 Human Physiology
 - Two courses in Chemistry with lab
 - General Physics I and II with lab
 - One course in Psychology **and** one course from the following: Anthropology, Psychology, or Sociology
 - One course in Statistics
2. A minimum 3.2 overall GPA is required, calculated on all courses taken at any college or university.
3. A minimum 3.2 GPA is required in all courses taken in prerequisite areas at Arcadia and elsewhere. A grade of "C" or better must be earned in the minimum prerequisite courses listed above. (A "C–" is unacceptable for prerequisite credit.) When calculating the prerequisite GPA, the University includes all courses in the various areas. Courses taken in prerequisite areas that were graded on a pass/fail basis will not be calculated into the prerequisite GPA.
4. A minimum total score of 1,050 is required for the verbal and quantitative portion of the Graduate Record Examination (GRE), with no single test score below 450. A minimum score of 4 is required for the analytic portion of the exam. **This exam should be taken before the senior year.**
5. Students must have knowledge of the profession through work or volunteer experience in a clinical setting. Students must document exposure to more than one practice setting (e.g., hospital-based inpatient units, hospital-based outpatient departments, private or corporate-owned outpatient clinics, nursing homes, rehabilitation centers, schools, and subacute units).
6. Students must provide one recommendation from a practicing physical therapist.
7. Students must complete the last four semesters as full-time students at Arcadia University. This requirement may be waived for students who choose to study abroad during one of their last four semesters.
8. Students must earn a bachelor's degree from Arcadia University.
9. Students desiring assured admission must apply by the December 15 deadline in the

Pre-Physical Therapy Program at Arcadia University

year before graduation from Arcadia University.

Requirements for Students Who Transfer to Arcadia University

Transfer students who pursue an interest in Pre-Physical Therapy with assured admission to the Doctor of Physical Therapy program must meet the criteria for freshmen students as well as the following:

1. Students must complete a minimum of 15 credits per semester and no fewer than 64 credits over the last four semesters of work at Arcadia University, excluding summers. This requirement may be waived for students who choose to study abroad during one of their last four semesters.
2. Seven courses in the prerequisite areas must be taken at Arcadia University.
3. Students must complete BI 206 Human Physiology at Arcadia University or a 300-level Biology course with a lab (if Human Physiology is already completed elsewhere). All courses used toward the minimum prerequisite biological and physical science requirements must be taken through the appropriate science departments (e.g., Biology, Chemistry, Physics).
4. Students may transfer two Psychology courses for the Pre-Physical Therapy prerequisites. If students are transferring only one Psychology course, then they must either take a second Psychology course (other than PY 111) or a course in Anthropology or Sociology.
5. Students who transfer more than four prerequisite courses must take additional advanced courses to satisfy prerequisite requirements. These additional courses must be taken in one of the following areas: Biology, Chemistry, Statistics/Mathematics, Physics, or Psychology.
6. Students desiring assured admission must apply by the December 15 deadline in the year before graduation from Arcadia University.

International applicants should visit www.arcadia.edu/international for detailed information on admission requirements and application procedures. TOEFL/IELTS results are required for all students for whom English

is a second language or who have not earned degrees or diplomas from post-secondary institutions in English-speaking countries (e.g., the United States, Canada, England, Ireland, Australia, and New Zealand). A course-by-course evaluation of all transcripts by an independent evaluation service based in the United States also is required.

Students whose credentials do not meet requirements that assure admission to the doctoral program may still apply. They must meet the minimum requirements of the general applicant pool by the time of application and will be considered in relation to other qualified candidates. Please see the Graduate Catalog for the minimum requirements.

PRE-PHYSICIAN ASSISTANT

at Arcadia University

Global Perspectives...Personal Attention...Real-World Integrative Learning Experiences

This is a 4+2 program leading to a Master of Medical Science (Physician Assistant) degree from Arcadia University.

Adviser

Assistant Professor Dr. Michael Dryer

About the Pre-Physician Assistant Program

The Master of Medical Science (Physician Assistant) degree is designed to produce graduates who will be well-equipped to deliver high-quality, cost-effective primary health care in a wide variety of settings, including hospitals, clinics, physicians' offices and community settings. The physician assistant is trained to take medical histories, perform physical examinations, diagnose common illnesses, order laboratory tests, determine treatment, and educate patients about their medical problems.

This is a 4+2 program, with four years of undergraduate study and two years of graduate study in the Physician Assistant program. A student interested in becoming part of the Physician Assistant program must first earn a bachelor's degree in a major such as Biology, Chemistry or Psychology that enables him or her to complete the prerequisite courses. Arcadia University undergraduates whose academic records and Graduate Record Examination scores meet the 4+2 entrance requirements are assured admission into the graduate program at the end of the senior year.

The 24-month graduate portion of the program combines classroom instruction with extensive clinical experience in a variety of medical specialties. The overall emphases during these two years are primary health-care delivery and the role of the physician assistant as a valuable member of the health-care team. Transfer students also are eligible for assured admission to the graduate programs in Physical Therapy and Physician Assistant.

Students are strongly urged to work closely with the advisers from their chosen majors. They also take prerequisite courses for graduate-level professional work. During the senior year, interested students apply to the Office of Enrollment Management for entrance into the Master of Medical Science (Physician Assistant) program. To maintain the ongoing quality of the Physician Assistant program, the University reserves the right to limit the enrollment in all its offerings.

Minimum Requirements for Admission to the Master of Medical Science Degree (Physician Assistant)

Prerequisite courses must be taken through the appropriate department, e.g. Biology Chemistry, or Psychology.

Requirements for Students Who Begin Their Undergraduate Education at Arcadia University as Freshmen

1. Students must have completed the following prerequisites:
 - a) **Biological Sciences:** six lab/lecture courses in Biology to include at least Anatomy (Human or Comparative), Physiology and Microbiology. Biochemistry is recommended.
 - b) **Chemistry:** four lab/lecture courses in Chemistry to include a minimum of one semester of Organic Chemistry.
 - c) **Psychology:** one course in Psychology. Abnormal or Developmental Psychology is recommended.
 - d) **Mathematics:** at least one Statistics course.
 - e) **Humanities:** at least five courses in the humanities (A course in Ethics or Medical Ethics is highly recommended.)
2. Students must have a minimum 3.2 overall GPA in prerequisite courses taken at Arcadia and elsewhere. A grade of "**C**" or better must be earned in each prerequisite course. (A grade of "**C-**" is unacceptable for prerequisite credit.) When calculating the

PRE-PHYSICIAN ASSISTANT at Arcadia University

prerequisite GPA, the University includes all courses in the various areas. Courses taken in prerequisite areas that were graded on a pass/fail basis will not be calculated into the prerequisite GPA.

3. Students must take the Graduate Record Exam (GRE). A minimum score of 1,100 is expected from the verbal and quantitative portion of the test, with no single test score below 450. A minimum score of a 4 is expected for the analytic portion of the exam. This test is generally taken in the junior year.
4. Students must have knowledge of the profession through work or volunteer experience in a clinical setting. A minimum of 200 hours of patient care experience or a combination of health-care experience and research.
5. Students must obtain a recommendation from a practicing, licensed physician or physician assistant who can attest to their ability to succeed in the Physician Assistant program.

Requirements for Students

Who Begin at Arcadia University as Transfer Students

Transfer students also are considered for automatic admission provided that they meet all the criteria for freshmen as well as the following:

1. Students must complete a minimum of 15 credits per semester and no fewer than 64 credits over the last four semesters of work at Arcadia University, excluding summers.
2. Students must earn a bachelor's degree from Arcadia University.
3. Students must take eight of the prerequisite science courses at Arcadia University.
4. Students must complete at Arcadia University: BI 206 Human Physiology or a 300-level Biology course with a lab (if Human Physiology is already completed).

Students whose credentials do not meet requirements that assure automatic admission to the master's program can still apply. They will, however, be considered in relation to other qualified candidates in the general applicant pool.

Pre-Veterinary Program

at Arcadia University

Global Perspectives...Personal Attention...Real-World Integrative Learning Experiences

Adviser

Assistant Professor

Dr. Sheryl Smith

Related Fields of Study

Biology

Chemistry

Post-Baccalaureate Certificate in the Health Professions

About the Pre-Veterinary Program

Arcadia University offers several routes for completion of the requirements for admission to schools of veterinary medicine. Majors in Biology or Chemistry are most commonly taken by students interested in veterinary medicine, but schools will accept students with excellent records in other majors, provided they have adequate preparation in the basic sciences and mathematics. The pre-professional adviser assists students with the application process and choice of schools.

Minimum Recommended Courses

All schools of veterinary medicine recommend the following courses:

BI	101, 102	General Biology I, II
BI	211	Comparative Anatomy and Physiology
CH	101, 102	Modern Chemical Concepts I, II
CH	201, 202	Organic Chemistry I, II
PH	201, 202	Fundamental Concepts of Physics I, II
	or PH 211, 212	Conceptual Physics I, II
MA	201	Calculus I
MA	141	Statistics

Some schools require additional Mathematics or Chemistry as well as Biochemistry and/or Microbiology. These requirements may be met with the following courses:

CH	202	Organic Chemistry II
CH	303	Biochemistry
	or BI 340	Biochemistry
MA	141	Elementary Statistics

MA	202	Calculus II
BI	204	Genetics
BI	323	Microbiology
BI	325	Cell Biology
HE	481	Nutrition
PBH	620	Biostatistics

Students are advised to check with the schools at which they intend to apply to determine which of the Mathematics, Chemistry, Biochemistry or Microbiology courses are prerequisites for admission.

Satisfactory performance on the Graduate Record Examination (GRE) is required for admission. The GRE may be taken in the spring or summer of the junior year or the fall of the senior year for students who plan to enter veterinary school immediately following graduation.

In addition to prerequisite coursework, students are expected to have gained practical experience with veterinary medicine by either working or volunteering in facilities where veterinary medicine is practiced, such as veterinary clinics, zoos or animal husbandry facilities. Some schools may have specific hour requirements for these experiences. A strong background in liberal arts and study abroad experiences are considered favorably. Other courses recommended as electives include the following:

BI	325	Cell Biology
BI	327	Histology
BI	332	Animal Behavior
BI	335	Neurobiology
BI	337	Immunobiology

PSYCHOLOGY

at Arcadia University

Global Perspectives...Personal Attention...Real-World Integrative Learning Experiences

Faculty

Professors

Dr. Angela Gillem
Dr. Barbara Nodine
Dr. Steven Robbins

Associate Professors

Dr. Joshua Blustein
Dr. Marianne Miserandino
Dr. Lester Sdorow (Chair)

Assistant Professors

Dr. Eleonora Bartoli
Dr. Sharon Flicker
Dr. Dennis Gallagher
Dr. Elaine Jones

Adjunct Professors

Adam Levy
Dr. Patricia Scully
Dr. Judith Wiley
Mary Winn

Degree

Bachelor of Arts in Psychology

Minors

Psychology
Psychology (Human Resources)

Special Program

Preferential admission to and exemption
from some required courses of the
Master of Arts in Counseling Psychology

Options

Pre-Art Therapy
Individualized Options
Secondary Education Certification (in Social
Studies)

Related Fields of Study

Art
Business Administration
Education
Pre-Physician Assistant
Pre-Physical Therapy
Sociology
Women's Studies

Related Graduate Study at Arcadia University

Master of Arts in Counseling Psychology

Child/Family Therapy
Community Counseling Psychology
School Counseling--Elementary
and School Counseling--Secondary
Trauma: Clinical Bases of Treatment and
Recovery

Master of Education with a concentration in Secondary Education with Certification in Social Studies

Pathways to Study Abroad in Psychology

Psychology majors are encouraged to study abroad. The Department works with students to devise the best combination of international coursework to complement their studies. Psychology majors who plan to study abroad can do so during the summer or during their sophomore or junior years. Study abroad is not permitted during the senior year because of the required yearlong Psychology internship.

Ideally, students should try to enroll in a Psychology course abroad that can be substituted for one of Arcadia's Psychology courses. Psychology can be studied at University-sponsored study abroad programs in England, Scotland, Wales, Northern Ireland, Australia, Ireland and New Zealand.

Visit the University's Web site for Pathways to Study Abroad (www.arcadia.edu/pathways) and suggested course sequences. Since it is important that students plan ahead for study abroad, they should consult with their advisers as soon as possible and make their intentions known to the Department Chair and the Director of International Services.

About the B.A. in Psychology

- Real-world internships and fieldwork
- Opportunities to conduct and publish research with faculty
- Senior research project
- Core Liberal Arts Track
- Pre-Professional Track

PSYCHOLOGY at Arcadia University

- Ph.D Track
- Opportunities to study abroad at some of the top universities around the world

Arcadia offers several different Psychology tracks designed to accommodate students' interests and career objectives. Psychology coursework is unique in three ways. Many courses offer hands-on experience through laboratory or fieldwork.

Senior Capstone Experience: Major courses are sequenced, so every student is at the same experience level, and all seniors participate in Senior Seminar, an individually supervised research or internship project.

The program includes three distinct tracks.

Core Liberal Arts Track: The core liberal arts program allows the B.A. in Psychology to be combined easily with other majors such as Fine Arts, English or Pre-Medical studies. There is a Psychology/Business program for careers in human resources/psychology.

Pre-Professional Track: The pre-professional program prepares students for master's degree programs in various post-graduate professional schools, including fields such as school psychology, art therapy, music therapy, psychiatric social work, and school counseling and guidance. Arcadia offers a Master of Arts in Counseling Psychology, and Psychology majors who meet the criteria for admission will be given preferential consideration for admission and may be exempted from certain courses.

Ph.D. Track: The Ph.D. track is specifically geared to prepare students for entrance into Ph.D. programs in psychology, including teaching, research and professional careers in psychology.

Bachelor of Arts in Psychology

In accordance with individual interests and career goals, Psychology majors can select courses in one of three directions.

Core Liberal Arts Track: Major in Psychology. The liberal arts direction may be selected by students who want a basic foundation in psychology and a broad preparation in the liberal arts. Since only two courses per year are required for the major in Psychology (four courses during the

sophomore year), the Psychology major can be combined with other majors or minors. This direction fulfills the requirements for graduate study in psychology, as well as for careers open to liberal arts graduates without specific pre-professional preparation. Students might have careers in marketing, healthcare, communications, or business.

Pre-Professional Track: Major in Psychology, supplemented with courses in a pre-professional specialization. The pre-professional direction is designed for students who want to pursue a specialized profession. The Psychology major is sufficiently open in requirements so that it can be integrated easily with pre-professional preparation. Correlative courses prepare students for professional work or graduate study in the following areas:

- **Pre-Health Professions:** Students preparing for one of the health professions often find the Psychology major a useful center for their pre-professional studies. In fields such as physical therapy, medicine, health education, nursing, public health, health administration, or veterinary medicine, professionals who regard their task as dealing with human beings who have difficulties can find psychology a meaningful source of guidance. Coursework in Biology, Chemistry, or Computer Science is combined with the major to provide appropriate background. (See separate listings for these pre-health programs.)
- **Secondary Education:** Students who want to teach psychology at the secondary school level obtain state certification in social science. Upon completion of the required courses in Psychology, Education and Social Sciences, students are eligible for the Pennsylvania Instructional I Certificate.
- **Psychology and Business:** Students who are interested in positions in human resources management and who want to combine preparation in psychology and business can combine the major in Psychology with a minor in Business. This program is good preparation for students who want to pursue graduate study in psychology or business administration.

- **Pre-Art Therapy:** Students may want to combine Psychology and Art Therapy courses in preparation for graduate study. This can be accomplished through a major in Psychology with an Art Therapy emphasis, a major in Art and Design with an Art Therapy emphasis and coursework in Psychology, or a combined major in Art and Design (B.A. program) and Psychology with an Art Therapy emphasis.
- **Individualized Options:** Students who are interested in careers such as school psychology, psychiatric social work, working with children, counseling and guidance in schools, music therapy, or psychometrics must continue their education at the master's level. Appropriate preparatory courses at the undergraduate level should be selected in consultation with the Department adviser.

Ph.D. Track: Major in Psychology, supplemented with cognate courses in preparation for master's and Ph.D. programs in psychology. The graduate studies direction is designed for students interested in post-secondary teaching, research, clinical or counseling psychology, or other specialized areas of psychology. Undergraduate psychology coursework should be supplemented with cognate courses relevant to students' particular interests, selected in consultation with the Department Chair or adviser. For example, students interested in social psychology should select courses in Sociology, History, Government and Economics; students interested in experimental psychology should select courses in Biology, Chemistry, Physics and Mathematics; students interested in clinical psychology should select courses in Sociology and the humanities.

Master of Arts in Counseling Psychology (Preferential Admission)

Arcadia University Psychology majors who meet the criteria for admission will be given preferential consideration for admission and may be exempted from certain courses. The graduate program in Counseling Psychology is designed to allow a student to sit for the NCE and to apply for Pennsylvania licensure once

mandated supervised work experience is acquired. (See Graduate Catalog.)

Requirements for the Bachelor of Arts in Psychology

(42–44 credits as listed below, with Undergraduate Curriculum requirements and electives to total 128)

1. Ten courses in Psychology

PY 111	Introduction to Psychology*
PY 142	Research Methods
PY 221, 222	Psychology as a Natural Science
PY 331, 332	Psychology as a Social Science
PY 490, 491	Senior Course
Two electives selected to complement career goals.	

2. One course in Mathematics

MA 141	Elementary Statistics
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Requirements for Art Therapy Emphasis

1. Completion of the requirements for the major in Psychology listed above.
2. Completion of the requirements for a minor in Studio Art.
3. Four courses in Art Therapy

AT 200	Introduction to Art Therapy
AT 210	Intermediate Art Therapy
AT 310	Art Therapy Application Techniques
AT 365	Internship in Art Therapy
4. Three additional courses in Psychology from this list:

PY 205	Adult Psychopathology
PY 212	Developmental Psychology
PY 215	Developmental Psychopathology
PY 238	Adolescence

Requirements for Secondary Education Certification in Social Studies

1. Completion of the requirements for the major in Psychology listed above.
2. Completion of the certification requirements for Social Studies. Chairs of the Psychology or Education departments can provide a list of the courses in Social Sciences also needed for certification.

Requirements for the Minor in Psychology

(26–28 credits as listed below)

The minor in Psychology provides a basic background in psychology for non-majors as part of their liberal arts education. The minor is especially valuable for students in the natural sciences preparing for graduate or professional study with a behavioral component, or for students in Mathematics and Computer Science whose work involves communication with behavioral scientists, or for students in Communications interested in processing of information, or for students in Sociology interested in social work. Students who want to complete a minor in Psychology should consult with the Department Chair.

1. Six courses in Psychology
 - PY 111 Introduction to Psychology*
 - PY 142 Research Methods
 - PY 221, 222 Psychology as a Natural Science
2. Two Psychology electives.
3. One course in Mathematics
 - MA 141 Elementary Statistics

Requirements for Minor in Psychology (Human Resources)

(30–31 credits as listed below)

Human Resources is a field in which students combine business and psychological principles important to the management professional. Students should complete a major in one discipline and a minor in the other, with the major either in Psychology or Business, based on the area of stronger interest to the student. Courses in Psychology help the student to gain an understanding of human behavior with particular emphasis on issues critical to the dynamics of behavior in an organizational setting. Business courses provide the student with a background in business functional areas as well as study in human resources administration.

1. Seven courses in Psychology
 - PY 111 Introduction to Psychology*
 - PY 221, 222 Psychology as a Natural Science
 - PY 142 Research Methods
 - PY 153 Social Psychology
 - PY 261 Psychology of Work Behavior
 - One psychology elective
2. One course in Mathematics
 - MA 141 Elementary Statistics

Psychology Courses (PY)

111
Introduction to Psychology
(4 credits; Fall, Spring)

An introduction to the science of psychology. Presents major psychological concepts, theories, research methods, findings, and applications. Covers basic statistics, behavioral neuroscience, sensation and perception, learning, memory, cognition, human development, motivation, emotion, social psychology, personality, psychological disorders, therapy, and stress and coping. Includes all topics normally covered in a course in educational psychology. Fulfills the requirements of both elementary psychology and educational psychology for students preparing to teach.

PSYCHOLOGY at Arcadia University

142

Research Methods

(4 credits; Spring)

Introduces research design for assigning experimental conditions to subjects and statistical analysis associated with the design.

Randomization, selection of subjects, large group and single subject designs, ethical considerations to be considered.

Prerequisite: MA 141. To be taken concurrently with PY 222.

153

Social Psychology

(4 credits, day; Fall, Spring)

(3 credits, evening; Fall, Spring)

Study of the effect of the social situation on the individual: social interaction, conformity, group processes, attitude, attitude change, stereotyping, prejudice, aggression and environmental psychology. Includes class discussions, readings and research projects.

Prerequisite: An introductory course in one of the social sciences; or permission of the instructor. Open to Psychology minors; not open to majors.

202

Cross-Cultural Psychology

(4 credits; Fall; Online Course)

Survey course examines how culture influences behavior, evaluates current psychological theories and literature with regards to understanding human behavior from different global cultural regions and ethnic backgrounds, and introduces research methodology and anthropological cases to fully appreciate human diversity in the world today.

Prerequisite: PY 111 or equivalent.

US 210 (University Seminar)

Health Psychology

(4 credits; Fall, Spring)

Introduction to the basic principles, research findings, practical applications, and important issues in the field of health psychology. Emphasizes the scientific basis of health psychology in empirical research and application to everyday life. In the Undergraduate Curriculum, this is an **Np** and **W** course that also is acceptable as a Psychology elective for students majoring in Psychology.

205

Adult Psychopathology

(4 credits; Fall, Spring)

Survey of data and theory concerning assessment, classification, and treatment of psychological disorders. Students will develop basic knowledge of the categories, symptoms, and treatments of selected disorders found in the

Diagnostic and Statistical Manual of Mental Disorders. They will become familiar with various theoretical interpretations and scientific data regarding the causes of abnormal behavior. They also will become aware of some of the ethical issues involved in diagnosing and treating mental disorders. A final research paper is required.

Prerequisites: PY 111 or equivalent.

209

Developmental Psychology of the Black Child

(4 credits, Fall)

The developmental experience of the black child. Includes social and cultural factors uniquely affecting his or her development. Special attention to physical, cognitive, emotional, and social development.

Prerequisite: PY 111 or equivalent.

212

Developmental Psychology

(4 credits; Fall, Spring)

Study of growth and behavior of children from infancy through adult. Includes individual and environmental factors affecting normal cognitive, emotional, physical and social development.

Prerequisites: PY 111; or permission of the instructor.

215

Developmental Psychopathology

(4 credits; Spring)

Developmental Psychopathology focuses on disorders with childhood onset. Students will explore research and theory that provide current understanding of the characteristics of the disorders, risk factors, treatments and prognosis for those who are diagnosed with these challenging psychopathologies.

Prerequisites: PY 111; completion of or concurrent enrollment in PY 212 or equivalent Education course.

US 220 (University Seminar)

Education Stories: Films About Schools and What They Teach Us

(4 credits)

Films depicting exemplary teachers and principals and their successful students have long provided many Americans their sense of how quality educational environments are created. But how much can one really learn about education from these cinematic treatments? In this University Seminar, students will screen and discuss numerous films to probe them for their major themes relating to innovative teaching techniques, genuine concern and respect for students, and students' responses in the form of high achievement and improved personal behavior. Students will compare and contrast these films with the latest scholarly

PSYCHOLOGY at Arcadia University

research investigating the factors and influences that correlate with successful schools and students and review and critique key educational and psychological theories of education. Written assignments, participation in classroom discussions, and small groups oral classroom reporting will help students develop written and oral communication skills. US 220 can count toward the Psychology major and minor.

221

Psychology as a Natural Science: Learning and Cognition

(4 credits; Fall)

Study of the facts, principles and theories associated with basic learning and cognitive phenomena, including human and animal learning, cognition, and memory. Offers practical experience in both classical and contemporary research methods. Includes lectures, laboratory exercises and an independent project. Three class hours and two laboratory hours weekly. Required of all Psychology majors and open to other qualified students.

Prerequisites: PY 111 or equivalent; concurrent registration in MA 141.

222

Psychology as a Natural Science: Behavioral Neuroscience

(4 credits; Spring)

Study of the biological bases of behavior. Includes facts, principles, and theories associated with behavioral genetics, the neuron, and the brain. Offers practical experience in both classical and contemporary research methods. Includes lectures, laboratory exercises and an independent project. Three class hours and two laboratory hours weekly. Required of all Psychology majors and open to other qualified students.

Prerequisites: PY 111 or equivalent, PY 221; concurrent registration in PY 142.

238

Adolescence

(4 credits; Spring)

Examination of psychological, emotional, cognitive, peer, familial and social institutional forces on American adolescents. Considers adolescent reactions to these forces as they try to develop coherent, meaningful lives. Emphasizes "the sense of self" and the transitional nature of adolescence. Also examines learning problems, separation from family, delinquency, drug abuse, sexual behavior, vocational choices and the development of values. Requires weekly field placement with an adolescent. Encourages use of own life material.

Prerequisites: PY 111; or permission of the instructor.

261

Psychology of Work Behavior

(4 credits; Fall)

Study of the basis in social science research and theory for the practice of human resource administration. Includes selection and training, performance appraisal, motivation and morale, interpersonal and group processes in business and industry, causes and effects of work-related stress, workplace issues related to women and minority-group members. Lecture-discussion format.

Prerequisites: Junior status.

270

Forensic Psychology

(4 credits; Fall)

Survey of the diverse tasks faced by the legal system to which psychological knowledge or methods are applied. Review of research on human behavior related to the legal process and the professional practice of psychology where it interacts with the legal system.

Prerequisite: PY 111 or SO 101.

PY 281

Psychology Journal Club: Learning and Memory

(1 credit; Fall)

In this seminar, students will read, present, and discuss classic and current research papers in the psychology of learning and memory. Class meetings will focus on critiquing primary source journal articles. Students will take turns leading the class discussion. Graded "satisfactory" or "unsatisfactory" based on participation, which is mandatory.

Prerequisite: Students must be concurrently enrolled in the associated core course, PY 221.

PY282

Psychology Journal Club: Behavioral Neuroscience

(1 credit; Spring)

In this seminar, students will read, present, and discuss classic and current research papers in behavioral neuroscience. Class meetings will focus on critiquing primary source journal articles. Students will take turns leading the class discussion. Graded "satisfactory" or "unsatisfactory" based on participation, which is mandatory.

Prerequisite: Students must be concurrently enrolled in the associated core course, PY 222.

PY283

Psychology Journal Club: Social Psychology

(1 credit; Fall)

In this seminar, students will read, present, and discuss classic and current research papers in

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social psychology. Class meetings will focus on critiquing primary source journal articles. Students will take turns leading the class discussion. Graded "satisfactory" or "unsatisfactory" based on participation, which is mandatory.

Prerequisite: Students must be concurrently enrolled in the associated core course, PY 331.

PY284

Psychology Journal Club: Personality Psychology

(1 credit; Spring)

In this seminar, students will read, present, and discuss classic and current research papers in personality psychology. Class meetings will focus on critiquing primary source journal articles. Students will take turns leading the class discussion. Graded "satisfactory" or "unsatisfactory" based on participation, which is mandatory.

Prerequisite: Students must be concurrently enrolled in the associated core course, PY 332.

PY 285

Special Topics in Psychology

(1, 2, 3 or 4 credits)

The content, credit hours and prerequisites for this course vary depending on the nature of the topic covered.

331

Psychology as a Social Science: Social Psychology

(4 credits; Fall)

The influence of social situations on the individual. Topics include conformity, group behavior, attitudes, attitude change, prejudice, aggression, conflict resolution, close relationships and cultural influences on the self. Three class hours and two laboratory conference hours weekly. Required of all Psychology majors.

Prerequisites: MA 141, PY 142, PY 221, 222.

332

Psychology as a Social Science: Personality Psychology

(4 credits; Spring)

Considers theories of personality. Topics in personality include classic and contemporary views in each of the major schools of thought: Freudian, neo-Freudian, behavioristic, humanistic, cognitive, biological and existential. Three class hours and two laboratory hours weekly. Required of all Psychology majors.

Prerequisites: MA 141, PY 142, PY 221, 222, PY 331.

389

Independent Study

Independent research or field experience under the direction of faculty members.

Prerequisite: Permission of the chair.

420

Clinical Psychopharmacology

(4 credits; Summer, Online course; Offered alternate years)

This course is intended to provide counseling students and other students in the mental health professions with a basic understanding of how psychiatric medications work in the brain and modify behavior. Students will learn about the relationship between DSM IV diagnoses and the choice of psychiatric medications that are prescribed by physicians. Finally, students will be trained to use reference material to evaluate key characteristics of psychiatric medications and evaluate the clinical efficacy of medications.

Prerequisite: Senior status or students who have completed PY 205 and PY 221-222 with permission of the instructor.

422

Psychology of Women

(4 credits; Spring)

Examination of psychological and sociological theories that pertain to women. Topics include myths and stereotypes, the nature versus nurture controversy, the male/female dichotomy, research pertaining to intelligence, personality, motivation, achievement, mothering and a variety of other interesting issues.

Prerequisites: Four courses in Psychology or equivalent social science; or permission of the instructor.

430

Seminar in Theories of Cognitive Behavior Therapy

(3 credits; Summer)

Introduction to theories, principles and techniques used in cognitive behavior therapy. Students will read and analyze empirical and theoretical research reports examining the application of various cognitive and behavioral treatments to psychopathology. Students will be required to act as discussion leaders on selected topics in the literature.

Prerequisites: PY 221 and PY 222, or equivalent.

450

Psychodrama, Basic Theory and Practice

(4 credits; Fall)

A study of psychodrama in its historical context as group psychotherapy, the evolving method and basic strategy and tactics. A laboratory in which specific techniques, such as doubling, role

PSYCHOLOGY at Arcadia University

reversal, mirroring and self-preservation are practiced as part of the course.

Prerequisites: This is a graduate course open to undergraduates with senior standing in Psychology major and departmental permission.

490, 491

Senior Course

(4 credits each; 490 Fall, 491 Spring)

Capstone course with three components: the seminar, independent research or internship, and a senior thesis. The seminar includes reading and discussion of original literature on selected topics in psychology. Requires periodic seminar presentations and oral reports on research or internship projects. Meets two hours weekly.

Students interested in research and who have maintained a GPA of 3.0 in Psychology may pursue an independent research project under the guidance of a Psychology faculty member. Students interested in applications of psychology may pursue an internship. Such internships are served in the community or in the University in activities designed to meet career goals.

Requires a minimum of eight hours per week.

All students complete and present a senior thesis and poster based upon either their research or a practical question from the internship.

Prerequisites: MA 141, PY 221, 222, 331, 332.

Under some circumstances PY 331, 332 may be taken concurrently. PY 490 is a prerequisite to PY 491.

Scientific Illustration

at Arcadia University

Global Perspectives...Personal Attention...Real-World Integrative Learning Experiences

Advisers

Professor
Scott Rawlins

Associate Professor
Dr. Lauren Howard

Degree

Bachelor of Arts in Scientific Illustration

About the B.A. in Scientific Illustration

The Scientific Illustration program combines study in Biology and Art and Design. Two emphases exist: Scientific Illustration and Pre-Medical Illustration. The former prepares students for a number of possible careers in biological illustration, graphic design or laboratory research. The latter prepares students for graduate study in medical illustration.

Prospective students must present evidence of capability in science and a portfolio demonstrating skill in representational drawing.

Requirements for the Bachelor of Arts in Scientific Illustration

(84–96 credits as listed below, with Undergraduate Curriculum requirements and electives to total 128 credits)

Adjustments in the requirements for the major in Scientific Illustration can be made with the approval of the program adviser. A maximum of 96 credits in art and science can be counted toward the degree. Additional coursework is required for a degree in Scientific Illustration with an emphasis in pre-medical illustration.*

1. Sixteen courses in Art and Design and Art History
 - AD 102 Studio Art Foundations I
 - AD 103 Studio Art Foundations II
 - AD 104 Drawing I
 - AD 105 Drawing II
 - AD 200 Painting I

- AD 206 Introduction to Graphic Design
- AD 226 Illustration I
- or AD 228 Children's Book Illustration
- AD 250 Graphic Design I (Typography)
- AD 270 Digital Imaging
- AD 300 Advanced Drawing
- AD 304 Figure Drawing
- AD 387 Internship**
- AD 383 Senior Studio
- AD 484 Senior Thesis Research Seminar

One 100-level course in Art History.
One additional 200-level Studio course.

2. Three courses in Scientific Illustration
 - SI 201 Scientific Illustration I
 - SI 302 Scientific Illustration II
 - SI 490 Senior Thesis
3. Six courses in Science
 - BI 101 General Biology I
 - BI 102 General Biology II
 - BI 211 Comparative Anatomy and Physiology
 - BI 222 Plant Biology
 - BI 317 Developmental Biology or BI321 Human Genetics and Development
 - CH 101 Modern Chemical Concepts I
4. Recommended
 - AD 201 Color and Design
 - AD 208 Photography I
 - AD 251 Graphic Design II (Web Design)
 - AD 271 Digital Video
 - BI 329 Ecology
 - BI 330 Conservation Biology

**Two- or four-credit internships consisting of supervised training in illustration, design, computer imaging, systematics and/or collections management may be set up at a studio or research institution in the Philadelphia area. Past internship sites include the Academy of Natural Sciences, Jefferson Hospital and the Philadelphia Zoo.

Coursework Required for an Emphasis in Premedical Illustration

aspects of the field of concentration. Requires a written thesis. Required of all Scientific Illustration seniors.

1. One Art and Design course
AD 208 Photography I
2. Four science courses
BI 205 Human Anatomy
BI 206 Human Physiology
BI 325 Cell Biology or
BI 317 Developmental Biology or
BI 321 Human Genetics and
Development or
BI 327 Histology

Scientific Illustration Courses (SI)

301

Science Illustration I

(4 credits; Fall, Spring)

A survey of the various techniques and media which function to visually interpret scientific principles. Both traditional and digital applications are presented, though the former is stressed. The preparation of black and white illustrations suitable for publication is emphasized. In addition, representative scientific taxa are studied via laboratory exercises designed to supplement students' knowledge of systematics and scientific terminology. Six studio hours weekly and independent work.

Prerequisites: AD 103, 104, 105, BI 101, 102, and concurrently scheduled advanced courses; or permission of the instructor.

302

Science Illustration II

(4 credits; Fall, Spring)

A continuation of Scientific Illustration I. Techniques and media using color are introduced. Emphasis is placed on problem-solving and preparation of a portfolio. Six studio hours weekly and independent work.

Prerequisites: AD 103, 104, 105, BI 101, 102, SI 301 and concurrently scheduled advanced courses.

490

Senior Thesis

(4 credits; Spring)

Preparation for criticism and exhibition of a major project in scientific illustration under the supervision of a faculty critic. Includes individual and group conferences pertaining to advanced

Sociology and Anthropology at Arcadia University

Global Perspectives...Personal Attention...Real-World Integrative Learning Experiences

Faculty

Professor Emeritus

Dr. Norman Johnston

Associate Professors

Dr. Jonathan Church

Dr. John Noakes

Assistant Professors

Dr. Luca Follis

Dr. Ana Maria García (Chair)

Dr. Doreen Loury

Dr. Dina Pinsky

Instructor

Alex Otieno

Degrees/Concentrations

Bachelor of Arts in Sociology

Bachelor of Arts in Criminal Justice (See separate listing.)

Minors

Anthropology

Criminal Justice

Sociology

Women's Studies (See separate listing in
Interdisciplinary Programs and Courses.)

Options

Secondary Education Certification (in Social
Studies)

Minor in International Studies

Minors in other departments, such as
Business Administration

Pathways to Study Abroad in Sociology

Sociology majors are encouraged to study abroad, and many opportunities can complement studies in sociology. Because of the flexibility and breadth in the Sociology program, study abroad can fit into the program and the Undergraduate Curriculum requirements.

Students are encouraged to meet with their advisers to discuss their career interests and goals. It is important to have this discussion and formulate a plan early so that the international program is integrated with required and elective courses for the major.

Many students use their study abroad courses to explore international perspectives on sociological and cultural issues.

Sociology majors typically study abroad during their sophomore or junior years because of the senior-year focus on research and thesis. Depending on which semester a student is abroad, he or she will select a course that substitutes for a major requirement, an elective in Sociology or a course in Anthropology or Women's Studies. Studying abroad can provide students with the opportunity to take a course that is not available at Arcadia University.

Visit the University's Web site for Pathways to Study Abroad (www.arcadia.edu/pathways) and suggested course sequences. Since it is important that students plan ahead for study abroad, they should consult with their advisers as soon as possible and make their intentions known to the Department Chair and the Director of International Services.

About the B.A. in Sociology

- Preparation for graduate school
- Preparation for careers in social services, business, law, healthcare
- Minors in Anthropology, Criminal Justice, Sociology and Women's Studies
- Internship and practicum opportunities
- Senior research project
- Opportunities to study abroad at some of the top universities in the world

The Sociology major offers a broad base for understanding different cultures, classes, religions and ethnic backgrounds. Students acquire a global view and the ability to work with people of diverse cultures. At the core of the curriculum is the study of social inequalities and social justice. The breadth, adaptability and utility of sociology lead to many employment opportunities for graduates.

The liberal arts background serves as a foundation for careers in business, law, allied health (such as physical therapy) research, and graduate study.

Sociology and Anthropology at Arcadia University

The program helps students develop specific skills, such as analytic proficiency, evaluative assessment and polished writing. Minors are available in Anthropology, Criminal Justice, Sociology and Women's Studies.

All Sociology majors take a group of core courses and then choose Sociology electives based on individual career goals.

Internships and Practicums: Career emphasis is expanded through an optional internship experience during the junior or senior year. Recent practicum settings have included nursing homes, human resource departments, child welfare agencies, police departments, schools, and hospital research departments.

Senior Capstone Experience: During the senior year, all students engage in an independent research project that integrates their unique areas of interest and focus with their knowledge and application of sociological perspectives and ideas.

Bachelor of Arts in Sociology

Sociology and Anthropology, with their emphasis on understanding human culture and behavior, provide a strong background in liberal arts. A major in Sociology enhances those qualities developed in liberal arts graduates, such as being able to think critically, to write well and to make oral presentations.

Sociologists with B.A. degrees enter a wide variety of occupations. In business and industry, jobs most frequently held are in marketing, sales, human resources and management. The Sociology program at Arcadia University offers students the opportunity to learn a range of research techniques that can be applied in a variety of employment settings—universities; public agencies at the federal, state or local level, businesses or industrial firms, or research institutes in the non-profit or advocacy sector.

Undergraduate Sociology majors frequently pursue graduate work in areas other than sociology, such as social work, education, public health, business administration, urban planning, law and medicine. For a career in academic sociology beyond the secondary school level, graduate training in sociology is necessary.

Sociology is one of the majors recommended by the Physical Therapy Department for students who plan to pursue a career in physical therapy. A Sociology major provides the well-rounded background in liberal arts advocated by the American Physical Therapy Association, while allowing ample time for the student to complete the requirements for admission to the Doctor of Physical Therapy program. The major can be designed with an emphasis on health and healthcare systems to strengthen the foundation for a career in physical therapy.

Minor in International Studies

A major in Sociology can be combined with a minor in International Studies for those students who are interested in acquiring practical experience in international affairs and who want a more global understanding of the world. The program is supplementary to the major and can readily mesh with the student's individually tailored curriculum in Sociology.

The International Studies minor combines study abroad with international courses here at Arcadia University and modern language preparation. (See the International Studies section of the Undergraduate Catalog for minor requirements.)

Minor in Anthropology

The minor in Anthropology offers students the opportunity to explore the rich diversity of cultures around the world. Students majoring in fields such as Art, Business, Communications, Education, History, Political Science, Philosophy, Pre-Law, Pre-Physical Therapy, Pre-Medicine or Psychology will find that anthropological theory and method both complement and challenge their understanding of the world.

Minor in Criminal Justice

The Criminal Justice minor provides students with the conceptual and research knowledge necessary to think critically about issues in criminal justice. Further, the program creates and instills a set of values respecting human individuality and dignity that will guide the manner in which criminal justice tasks and responsibilities are carried out. The criminal justice minor, in conjunction with a student's major, also builds a base of knowledge and constructs a process of evaluation and critical inquiry upon which criminal justice professional

Sociology and Anthropology at Arcadia University

training and/or graduate-level education can readily take place. See the Criminal Justice section in the Undergraduate Catalog for more information.

Minor in Sociology

The minor in Sociology provides an opportunity for students majoring in fields such as Business, Communications, Education, Political Science, Pre-Law, Pre-Physical Therapy and Psychology to select courses that will provide them with sociological and anthropological theory and research findings useful to their careers and enriching to their lives in the liberal arts tradition.

Minor in Women's Studies

A minor in Women's Studies offers an in-depth study of women and women's issues from the perspective of different disciplines. Informed by varied feminist paradigms, the minor provides the opportunity to analyze and integrate knowledge from the unique vantage point of gender. Along with core courses in the social sciences and humanities, students can concentrate on critical aspects of women's lives, such as the intersection of race, class and gender. (See separate listing in Interdisciplinary Programs and Courses.)

Requirements for the B.A. in Sociology

(44–48 credits as listed below, plus University-wide requirements and electives to total 128)

Common Curriculum for All Majors

(23–24 credits as listed below)

1. Five courses in Sociology

SO 101	Introductory Sociology
SO 330	Research Methods (spring semester Junior year)
SO 385	Social Theory (fall semester Junior year)
SO 490	Senior Seminar I (fall semester, Senior year)
SO 491	Senior Seminar II (spring semester Senior year)

2. One course in Mathematics

MA 141	Elementary Statistics
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3. Additional Requirements (21–24 credits)

In addition to the common curriculum, students select six of the following courses, one of which must be a course in Anthropology. The courses are selected by the student in conjunction with the adviser and are chosen on the basis of the student's future career goals

AN 120	Cultural Anthropology
AN 150	The Family
AN 220	Social Issues (Anthropology)
AN 262	Myth, Magic and Religion
AN 272	Cultures, Conflict and Power
SO 150	Contemporary Social Problems
PY 153	Social Psychology
CJ 160	Crime and Punishment
SO 207	Introduction to Social Welfare
SO 220	Social Issues (Sociology)
SO 222	Sociology of Cyberspace
SO 229	Women in Society
SO 230	Racism: Myths and Realities
SO 240	African American Images in the Media
SO 245	Gays and Lesbians in American Society
SO 250	Sex and Society
SO 260	Sociology of Health Care
SO 265	Social Inequalities
SO 270	Feminist Theories
SO 280	The Sociology of AIDS and HIV
SO 310	Social Movements
SO 362/363	Internship in Sociology

Requirements for the Minor in Sociology

(17–20 credits as listed below)

Two courses in Sociology

SO 101	Introductory Sociology
SO 385	Social Theory

Three electives in Sociology or two electives in Sociology and one in Anthropology, chosen in consultation with the Department and based on the individual's interests and needs.

Requirements for the Minor in Anthropology

(18–20 credits as listed below)

Students will be required to take (for 7–8 credits) AN 120 Cultural Anthropology and LB/SO 385 Social Theory. In addition to these two required courses, students must choose two Anthropology topic courses (for 7–8 credits) among those listed. Furthermore, students will choose to take either AN 220 Social Issues or SO 265 Inequality for 4 credits. No more than two courses can jointly fulfill the requirements for the Sociology major or minor and the Anthropology minor. A minimum of eight courses must be taken to receive a double minor in Sociology and Anthropology.

Common Curriculum

Required (7–8 credits)

AN 120	Cultural Anthropology
SO 385	Social Theory

Electives

Topics (Two of the following) (7–8 credits)

AN 150	The Family
AN 262	Myth, Magic and Religion
AN 272	Cultures, Conflict and Power
AN 361	Social Change: Globalization and Culture

Diversity (One of the following) (4 credits)

SO 265	Social Inequalities
AN/SO 220	Social Issues

Sociology Courses (SO)

101

Introductory Sociology

(4 credits; Fall, Spring)

An overview of the discipline of sociology is presented. The focus is on social groups and their effects on individuals. Content areas cover culture, social structure and social change as well as an introduction to social research. Additionally, special emphasis is placed on stratification in society in terms of social class, race, gender and age. Includes class discussion and group assignments.

150

Contemporary Social Problems

(4 credits; Fall)

This course is a study of contemporary social problems from a global perspective. It examines

population, environmental depletion and destruction, violence and war, racial and ethnic conflict, migration, gender inequality and other problems that occur internationally and that are interrelated. It analyzes assumptions underlying popular and theoretical explanations of social problems, as well as programs and policies aimed at alleviating them.

201

Writing for Sociology

(4 credits, Fall)

This course explores the differences between social scientific writing and other forms of writing (e.g., novels, essays, non-fiction). What makes sociological arguments unique? What forms do they usually take and what are the features that make them most effective? Students are asked to analyze different sociological forms or argumentation and writing (e.g., quantitative vs. ethnographic, inductive vs. deductive, interpretive vs. casual), explore their varying degree of efficacy and to produce one end-of-term research paper. Although the end goal of this course is a single paper, the structure of the course is writing intensive with a series of short writing assignments and paper drafts that build up to the final paper.

Prerequisite: Sociology or Criminal Justice majors.

207

Introduction to Social Welfare

(4 credits; Fall)

This overview of the social welfare system in this country includes its historical development. Understanding and evaluating social welfare programs such as family and children's services, healthcare, community mental health and work with the aging are the goal. The course includes visits to selected community agencies.

Prerequisite: SO 101 or AN 120.

220

Social Issues

(4 credits; Fall, Spring)

(3 credits; Fall, Spring)

This course provides in-depth analysis, from a social science perspective, of a substantive social issue confronting modern societies. It emphasizes pertinent social structures, values and attitudes, and the effects on the individual. Topics vary from year-to-year. May be repeated for credit.

222

Sociology of Cyberspace

(4 credits; Spring, alternate years)

This course explores the social implications of the Internet with a focus on interaction, communities and community mobilization, factors

Sociology and Anthropology at Arcadia University

affecting group and individual participation on "virtual communities" and social control.

229

Women in Society

(4 credits; Fall)

This course surveys the effects of cultural values, social institutions and sex roles on women's lives. It analyzes sources of gender inequality, especially in terms of the social construction of gender and sexuality. It examines the intersections of race, class, and sexuality for women. The course draws heavily on student participation to integrate personal gender experiences with a base of knowledge about women.

230

Racism: Myths and Realities

(4 credits, day; Fall)

(3 credits, evening; Fall)

This course provides a critical examination of how racism is operationalized in American society and its impact on the historical, social, psychological and spiritual relationship between Black and White Americans. Students have an opportunity to investigate both past and present racist practices and events and analyze how the practice of racism and culture interface and the effects of racism on Black and White America.

Prerequisites: EN 101; SO 101, ID 111 or ID 222.

240

African American Images in the Media

(4 credits; Spring)

This course provides a critical examination of the role and effects mass media have on the African American community. Students have the opportunity to explore the genres of television and film not only as mediums of entertainment, but as dynamic forces in the presentation and perpetuation of certain cultural values, ideals, philosophies and beliefs. Students examine the cultural prism of race in assessing mass media's creation of images and attitudes about the African American community.

245

Gays and Lesbians in American Society

(4 credits; Spring)

This course introduces students to the gay and lesbian experience in American society from pre-Stonewall to present day life. Using a sociological approach, students explore the development of diverse gay and lesbian identities and communities during the past 30 years and examine their social, political and cultural implications, both inside and outside the gay and lesbian community. Students examine and discuss the ways in which the gay and lesbian culture has impacted American society, as well

as identify the cultural and political struggles within the gay and lesbian community, and between the gay and straight communities. Intersections of race and class also are explored. Offered in even years.

Prerequisite: Sophomore standing or above.

247

Aging in Modern Society

(4 credits, day; Spring)

(3 credits, evening; Spring)

Social, psychological and biological aging are addressed. Topics include healthcare, family relationships, housing options, friendships, politics and economics of aging, cross-cultural and historical aging, death and dying, and the societal effects of an increasing older population. Offered in odd years.

250

Sex and Society

(4 credits; Fall)

This course explores the multiple ways that social processes and culture construct and channel male and female sexual behavior. Students study social science research on human sexuality, the meanings of sex and gender from a sociological perspective and the cultural mythologies that shape and inform our emotions, behaviors and attitudes.

260

Sociology of Health Care

(3 credits; Fall)

This course explores definitions of health and illness in the United States and other cultures. It analyzes the social, economic, political and cultural factors bearing on healthcare with emphasis on social structure, formal organization, professionalism and historic development. It enables students to apply the knowledge gained, both professionally and personally.

265

Social Inequalities

(4 credits; Spring)

This course examines important empirical findings and theories for the analysis of systems of social stratification. It reviews the contributions of Marx, Weber and other early scholars. It includes caste, estate and class as alternative stratification systems; the interrelations of class, status and power; and the behavioral and attitudinal consequences of class differences in Modern America.

Prerequisite: SO101 or AN120.

Sociology and Anthropology at Arcadia University

270

Feminist Theory

(4 credits; Spring)

This course closely examines feminist theories from an analytic and sociological viewpoint, including how feminist thinkers have conceptualized how and why women are positioned as they are in society and how these ideas have evolved over time and within particular sociopolitical contexts. Students examine the definitional and political issues inherent in "feminism" and what it has come to mean in society. The theories studied include liberal, Marxist, psychoanalytic and radical feminism. Throughout the course, these theories are evaluated along the intersections of race, class, and sexual orientation. Offered in even years.

Prerequisite: Sophomore standing or above.

280

The Sociology of AIDS and HIV

(4 credits; Fall)

This course examines social issues surrounding AIDS and HIV: discrimination and homophobia, risk reduction strategies, social factors in transmission, media treatment, legal and political dilemmas, and international efforts in HIV reduction. Students get firsthand experience through service learning in AIDS organizations within the Delaware Valley. Offered in odd years.

286

Health and Human Rights

(3 credits; Fall)

This course explores the relationship between health and human rights through prevailing definitions and understandings of international human rights, and the relevance, scope and depth of issues relevant to health and human rights scholars, practitioners, and advocates. Sociological and interdisciplinary approaches are used to explore the intersection between health and human rights. Key international declarations and conventions are examined, the meanings of "human rights" and "health" explored, specific case studies analyzed, and the intersection between historical and contemporary social issues considered. Potential methods for promoting health by protecting human rights at various levels, and the contemporary human rights issues of university/cultural relativity and accountability are addressed as a way of illuminating possibilities and avenues for improving individual and community health through considering primary, secondary and tertiary prevention in various contexts.

Prerequisite: Sophomore or above.

310

Social Movements

(4 credits; alternate years, Spring)

Social movements are instrumental in creating social change and thus fundamental to understanding how social systems operate. This course is an upper-level seminar in the social scientific study of social movements, with a focus on social movements of the 20th century, such as the civil rights movement, women's liberation movement, and abortion movements. Topics include mobilization strategies, processes of movement formation, outcomes of social movements, and reasons for decline. Case studies of particular social movements are examined using sociological theory. Students create a portfolio of work about a social movement of interest to them.

320

Homes, Housing and Homelessness

(4 credits, spring)

This course examines lack of affordable homes, urban homelessness and extreme impoverishment from a comparative historical perspective. Cases to be examined will include the United States, United Kingdom, Kenya and India. A third of the class will devote to service learning (volunteering with residents of one of Project HOME's housing programs).

330

Research Methods

(4 credits; Spring)

This course examines the notion of paradigms, the relationship of theory to empirical work, the formulation of hypotheses, questionnaire construction and multi-method research. The introduction to the major quantitative and qualitative research methods includes survey research, ethnography, interviewing and content analysis. A class project gives the student hands-on experience to aid in the development of the required individual research projects.

Prerequisites: SO101, one additional SO or AN course, and MA 141.

355

The Child in America

Not regularly scheduled.

362

Internship in Sociology

(6 credits; Fall)

Students get fieldwork experience in a social welfare or similar agency for 10 hours each week for the semester. Choice of setting is based on the interests and needs of individual students. The course includes weekly seminars focusing on workplace skills.

Prerequisites: SO 207. Admission only by pre-registration in the preceding semester. Open to senior Sociology majors and others with permission of the instructor.

Sociology and Anthropology at Arcadia University

363

Internship in Sociology

(6 credits; Spring)

Students get fieldwork experience in a social welfare or similar agency for 10 hours each week for the semester. Choice of setting is based on the interests and needs of individual students. The course includes weekly seminars focusing on workplace skills.

Prerequisites: SO 207. Admission only by pre-registration in the preceding semester. Open to senior Sociology majors and others with permission of the instructor.

385

Social Theory

(4 credits; Fall)

This survey of the contributions of major classical, modern and post-modern theorists is presented within their social and historic context. It considers works of Marx, Weber, Durkheim, Freud, Parsons, Mead and Goffman, Habermas, Bourdieu as well as Appadurai, Butler, Hooks, Foucault, Baudrillard and Haraway and other theorists. The course reviews critiques and elaborations of the theories and assesses their influences on contemporary thought in the social sciences and humanities.

Prerequisite: SO 101.

389

Independent Study

Individual research or directed in-depth reading at an advanced level is devoted to specific topics in sociology, anthropology, or social welfare.

Prerequisites: Approval of the Chair and instructor concerned.

490

Senior Seminar I

(4 credits, Fall)

The Senior Capstone course includes two components: the seminar and preparation for independent thesis research. The seminar includes reading and discussion of original research and literature on selected topics in sociology, and reflection and discussion of the student as a professional sociologist. Students have the opportunity to read and discuss a number of different approaches researching questions in the field and to use these approaches to create their own process for their independent research (the thesis). Instructors in the course utilize multiple methods of inquiry and research to highlight disciplinary research strategies. The course is an intensive reading and writing course that culminates in a comprehensive proposal for the independent thesis project to be completed in the Spring semester.

491

Senior Seminar II

(Spring)

This seminar focuses on the completion of the senior thesis and on career preparation issues and skills. Students integrate the material learned through the undergraduate years, uncover the meanings associated with becoming a professional, and explore career opportunities through a series of guest speakers. Students also prepare for their thesis presentation.

Prerequisite: Open to senior Sociology majors and others by permission of the instructor. A GPA of 2.0 or higher in the major, or permission of the Department is required.

Anthropology Courses (AN)

120

Cultural Anthropology

(4 credits, day; Spring)

(3 credits, evening; Fall)

Systematic study of the customs, social organization, environmental adaptation and belief systems of primitive and contemporary societies. Considers cultural variations in technology, economy, language, families, government and religion, with a special emphasis on social and cultural change and global relations. Non-majors may substitute this course as prerequisite for other courses in the Department of Sociology, Anthropology and Criminal Justice.

150

The Family

(4 credits, day; Fall)

(3 credits, evening; Spring)

Analysis of the family as a basic social institution in both Western and non-Western cultures. Exploration of various marriage arrangements, kinship, family life cycle, and issues and problems relating to societal change as it affects kinship and family structure.

220

Social Issues

(4 credits, day; Fall, Spring)

(3 credits, evening; Fall, Spring)

In-depth analysis, from a social science perspective, of a substantive social issue confronting modern societies. Emphasizes pertinent social structure, values and attitudes, and the effects on the individual. Topics vary from year to year. May be repeated for credit.

240

Ethnographic Film

(3 credits; not regularly scheduled)

Ethnographic film explores the history and impact of documentary films made by anthropologists

Sociology and Anthropology at Arcadia University

and the issues and ethical dilemmas involved in this type of storytelling. Classes consist of lectures, readings, screenings and discussions concerning the style and content of the major ethnographic films, and anthropological and documentary film theory.

250

Ethnographic Methods in Performance

(4 credits; not regularly offered)

This course enables the student to trace his or her own human journey from an ethnographic perspective. This should enable the actor to develop a deeper process for character research and playwriting. The Department sees students able to construct new work based on a single biography or group biography.

262

Myth, Magic and Religion

(4 credits; Spring)

This course studies human belief systems in their varied forms, the nature of religious understanding and the interplay between religious forms of life, and political structures using anthropological concepts. Consideration includes the resurgence of religious belief in modern culture. This course assumes a basic familiarity with Anthropology. Offered in even years.

272

Cultures, Conflict and Power

(4 credits; Spring)

This course examines how systems of power are established through the imposition and contestation of symbolic practices both within and between cultural groups. Beginning with an examination of how the powerless have historically used deception and feigning deference as a political strategy to confront a sovereign state, central emphasis of the course is on understanding "symbolic violence," the establishment of a sense of the "natural" to cultural constructions of identity and practice. Utilizing this notion of symbolic violence, the course investigates how the historical formulations of racial, gender and class hierarchies were developed as modern classificatory schemas of identity within the colonial context. The course ends with an ethnographic examination of power within a contemporary ethnographic situation of cultural conflict. Offered in odd years.

285

Aesthetics

(4 credits; not regularly offered)

Through the intersection of the disciplines of Anthropology and Theatre, performance research, this course examines the dramatic

aesthetic and cultural shifts that have occurred with the advent of what Jameson has called "late advanced capitalism." Starting with an examination of the decade of the '70s, this course charts the explosion of particular cultural aesthetics into worlds of entertainment, economics and politics. A significant concern of the course is for students to understand the degree to which everyday life has become a mediated reality with the concerns of marketing, hype and profitability being central to that reality.

320

Ritual to Theatre

(4 credits; not regularly offered)

This course begins by examining the place of ritualization as part of our biological heritage, and then explores the cultural uses of ritual, performance and ceremony in both informal and formal interaction from a cross-cultural vantage point. Finally, the course examines a number of avenues by which traditions of performance may be integrated into the artistic investigation of self and society.

361

Social Change: Globalization and Culture

(4 credits; Spring)

Designed for the advanced Anthropology student or International Business and Culture major, this course examines the recent re-territorialization of the world known as "globalization." Using a critical anthropological perspective that addresses the cultural dimensions of globalization, the course examines the organized and disjunctive social processes by which local and transnational identity have emerged.

Prerequisite: AN 120 or SO 261. Majors in International Business and Culture should have more than 90 credits.

389

Independent Study

Individual research or directed in-depth reading at an advanced level devoted to specific topics in anthropology.

Prerequisites: Approval of the Chair and instructor concerned.

SPORT PSYCHOLOGY

at Arcadia University

Global Perspectives...Personal Attention...Real-World Integrative Learning Experiences

Faculty

Professors

Dr. Angela Gillem
Dr. Barbara Nodine
Dr. Steven Robbins

Associate Professors

Dr. Joshua Blustein
Dr. Marianne Miserandino
Dr. Lester Sdorow (Chair)

Assistant Professors

Dr. Eleonora Bartoli
Dr. Sharon Flicker
Dr. Dennis Gallagher
Dr. Elaine Jones

Adjunct Professors

Adam Levy
Dr. Patricia Scully
Dr. Judith Wiley
Mary Winn

Degree/Concentrations

Bachelor of Arts in Sport Psychology

Related Fields of Study

Biology
Business Administration
Education
Pre-Physical Therapy
Pre-Physician Assistant
Psychology
Psychobiology
Sociology

Related Graduate Study at Arcadia University

Master of Arts in Counseling Psychology

Master of Education with a concentration in Secondary Education with Certification in Social Studies

Pathways to Study Abroad in Sport Psychology

This Majors Abroad Program (MAP) will require at least two semesters of study abroad. Students spend the junior year abroad taking courses at the University of Stirling (Scotland) or the University of Ulster, Jordanstown (Northern Ireland).

Visit the University's Web site for Pathways to Study Abroad (www.arcadia.edu/pathways). Since it is important that students plan ahead for study abroad, they should consult with their advisers as soon as possible and make their intentions known to the Department Chair and the Director of International Studies.

About the B.A. in Sport Psychology

- A year of study abroad
- Preparation for careers in marketing, coaching, teaching, personnel management, information presentation, research, human services, and various therapy systems
- Preparation for graduate work in sport psychology, health psychology, rehabilitation, and occupational therapy
- Real-world internships and fieldwork
- Opportunities to conduct and publish research with faculty
- Senior research project
- Opportunities to study abroad at some of the top universities around the world

The Sport Psychology major incorporates a year of study abroad after students have studied psychology basics at Arcadia's campus in Glenside, Pa. Students interested in this Majors Abroad Program will spend their junior year abroad, either at the University of Stirling (Scotland) or the University of Ulster (Northern Ireland), where they will complete a minimum of three courses in sports science or Sport Psychology. Upon their return, they will conduct their senior course doing an internship

SPORT PSYCHOLOGY at Arcadia University

in the field of sport psychology and write a thesis on sport psychology.

This major allows students with this very specific interest in Sport Psychology to study it as an undergraduate. The unique major provides a solid foundation in research skills while encouraging each student to find his or her area of focused interest. Students who decide in spring of their sophomore year that they do not want to go abroad can still complete the Psychology major on schedule.

While Psychology is a subject where working with people is an important feature, Sport Psychology graduates have careers in marketing, coaching, teaching, personnel management, information presentation, research, human services, and various therapy systems. Transferable skills that are valued by employers are interpersonal, communication, numerical literacy, computer literacy, time management skills, and critical thinking. More specifically, Sport Psychology majors are well prepared for graduate work in the fields of sport psychology, health psychology, rehabilitation, and occupational therapy.

(Northern Ireland). See Pathways to Study Abroad.

Senior Year

PY 490, 491 Senior Course. (Students will focus their senior internship and senior thesis on a topic from the area of Sport Psychology.)

Requirements for the Bachelor of Arts in Sport Psychology

(48-51 credits as listed below, with Undergraduate Curriculum requirements and electives to total 128)

First Year

PY 111	Introduction to Psychology
PY 153	Social Psychology

Sophomore Year

PY 221	Psychology as a Natural Science: Learning and Cognition
PY 222	Psychology as a Natural Science: Behavior Neuroscience
MA 141	Elementary Statistics
PY 142	Research Methods
US 210	Health Psychology

Junior Year

Students spend the junior year abroad taking courses at the University of Stirling (Scotland) or the University of Ulster, Jordanstown

THEATER ARTS AND ACTING

at Arcadia University

Global Perspectives...Personal Attention...Real-World Integrative Learning Experiences

Faculty

Associate Professor

Dr. JoAnn Weiner (Chair)

Assistant Professor

Mark Wade (Director)

Assistant Professors

Kathryn Petersen

Jonathan Shandell

Adjunct Professors

Nora Berger-Green

Jim Bergwall

Grace Gonglowski,

Christopher J. Kleckner

Rebecca Lisak

Larry Lobell

Chandra Nerbecki

Juliet Pryor

Janet E. Pilla

Jared Reed

Debra Rosenblum

Alisa A. Sickora

Susan Stevens

Celeste M. Walker

Greg Wood

Master of Arts in Humanities with a

Concentration in Art and Design, Theater and Music

Pathways to Study Abroad in Theater

Arcadia Theater students can participate in extensive study abroad opportunities in Great Britain, Ireland, Greece, Australia and New Zealand. In addition to their studies abroad, students can find exciting internships abroad, such as an internship at the Royal Court Theater through the London Internship program, an intensive semester of acting in Ireland through the program at Trinity College, Dublin, or an intensive semester of acting, directing and producing television and film in Sydney, Australia, at the University of New South Wales.

Visit the University's Web site for Pathways to Study Abroad (www.arcadia.edu/pathways). Since it is important that students plan ahead for study abroad, they should consult with their advisers as soon as possible and make their intentions known to the Department Chair and the Director of International Services.

Degrees

Bachelor of Fine Arts in Acting

Bachelor of Arts in Theater Arts and English

Minor

Theater Arts

Options

Secondary Education Certification in English

Junior Semester/Year in Great Britain/Ireland

Related Fields of Study

Minor in Communication

Minor in Music

Related Graduate Study at Arcadia University

Master of Arts in English

About the B.F.A. in Acting and the B.A. in Theater Arts and English

- Preparation for careers in theater, television and film
- Preparation for careers in directing, play and screenwriting, stage design
- Preparation for teaching
- Preparation for graduate study
- Opportunities to perform in MainStage and studio productions
- Opportunities to study abroad at some of the top universities in the world

The Theater Arts program provides students with a rigorous four-year sequential course of study in acting, the speaking and singing voice, speech, movement for actors, and dramatic literature. In addition, there are offerings in acting and directing for the camera, stage combat, dance, performance improvisation, mask, make-up, and audition technique.

THEATER ARTS AND ACTING at Arcadia University

Theater Arts majors also participate actively in the life of the University through four MainStage productions per year as well as several studio productions in The Chat.

The **Bachelor of Fine Arts in Acting** degree provides the opportunity to prepare for a career in

- professional theater
- television
- film

An audition is required for admission to program.

The **Bachelor of Arts in Theater Arts and English** is designed for students seeking a degree in theater for careers in directing, play and screenwriting, stage design or education. Career options for the Bachelor of Arts in Theater Arts and English include:

- Directors, designers and production managers of stage, television and film
- Teachers of theater in elementary or secondary education
- Arts administrators, television executives, film producers or entertainment lawyers
- Dramatherapists
- Play and screenwriters

Minor in Theater Arts: The minor introduces students to the field and techniques associated with the creative arts. The minor is designed for students who want to combine theater with another major area.

Bachelor of Fine Arts in Acting

The B.F.A. is a four-year sequential course of study in acting, the speaking voice, speech, movement for actors, dramatic literature and the history of the theater, supplemented by skills in stage combat, dance, gymnastics, movement, performance improvisation, mask work, make-up, and audition technique. The schedule is rigorous; in a typical week, a student works directly with faculty for 27 to 40 hours and spends a comparable amount of time in preparation.

The first two years of training focus on the development of the actor's imagination and an exploration of his or her inner resources as they relate to the external demands of the craft. Students in their first semester of their freshmen year are not allowed to audition in

order to allow them time to focus on their coursework and to adjust to college life. Admission to the third and fourth years is by invitation of the faculty. During the third and fourth years, classroom work broadens to consider the elements of style and modes of behavior in various historical periods, and the student is continuously engaged in rehearsal and public performance.

The productions provide a wide range of experience, from the classics to the avant-garde and are directed by visiting professionals, as well as experienced resident faculty, all of whom are working theater professionals.

Bachelor of Arts in Theater Arts and English

The Bachelor of Arts in Theater Arts and English is a vital and vibrant major for those who are seeking a degree in theater in preparation for careers in a wide spectrum of the entertainment industry, including theater, television and filmmaking, or for graduate study in theater and media studies.

Theater majors at Arcadia University benefit from an interdisciplinary approach to this art form. The goal of the program is to assist in the generation of unique talent through exposing students to an intensive study of performance, language, film and video. Along with the mastery of the tools and techniques of the art form, students become immersed in the study of culture and society in keeping with a liberal arts philosophy.

Theater Arts majors participate actively in the life of the University through numerous campus productions of the Theater Arts program and visiting professional companies, which have residencies on the college campus. (Recent visits have included Lookingglass Theatre, The Independent Eye, Shenandoah Shakespeare and Pig Iron Theatre Company.) Theater students also benefit from a proximity to Philadelphia's cultural community, as well as local film companies and television stations through internships at local theater and opera companies.

Requirements for the Bachelor of Fine Arts in Acting

(A minimum of 64 credits, with Undergraduate Curriculum requirements and electives to total 128 credits)

Common Curriculum

1. Stage Practicum
 - TH 191 Stage Practicum and Crew I
 - TH 192 Stage Practicum and Crew II
2. Theater History and Literature: 6 credits
 - TH 199 Theater History
 - TH/EN 361 Seminar: Modern Drama
3. Acting: 28 credits
 - TH 150 Improvisation
 - TH 165 Method Acting
 - TH 241 Acting: Scene Study
 - TH 275 Acting and Directing for Camera
 - TH 341 Acting in Modern Theater
 - TH 343 Commedia del' Arte
 - TH 344 Acting Shakespeare
 - TH 345 Acting in Film and TV
 - TH 490 Advanced Workshop in Theater Senior Project
4. Voice and Speech: 8 credits
 - TH 101 Voice and Speech I
 - TH 102 Voice and Speech II
 - TH 203 Voice and Speech III
 - TH 204 Voice and Speech IV

Additional Requirements for the B.F.A. in Acting

All of the courses listed under the common curriculum plus the following courses:

1. Dance and Movement: 10 credits
 - TH 221 Dance and Choreography
 - TH 222 Stage Combat I
 - TH 301 Neutral Mask
 - TH 302 Lecoq Technique Movement
2. Writing, Directing and Design: 12 credits
 - TH 211 Stage Makeup
 - TH 303 Business of the Arts
 - TH 330 Directing
 - TH 350 Play and Screenwriting

Requirements for the Bachelor of Arts in Theater Arts and English

(A total of 62 credits, with Undergraduate Curriculum requirements and electives to total 128 credits)

The program permits eight different concentrations to suit various career goals.

Common Curriculum

1. For all concentrations: (14 credits)
 - TH 101 Voice and Speech I
 - TH 102 Voice and Speech II
 - TH 150 Improvisation
 - TH 191 Stage Practicum and Crew I
 - TH 192 Stage Practicum and Crew II
 - TH 199 Theater History
 - TH 165 Method Acting
2. Four courses in Theater Arts from the following, chosen with approval of the adviser (16 credits):
 - TH 261 Stage Design and Lighting
 - TH 262 Costume Design
 - TH 275 Acting and Directing for the Camera
 - TH 330 Directing
 - TH 341 Acting in Modern Theater
 - TH 350 Play and Screenwriting
 - TH 365 Children's Theater
3. Three courses chosen from the following, with the approval of the adviser: (12 credits):
 - EN 199 Interpreting Literature
 - EN 212 Writing Poetry and Fiction
 - EN 233 Shakespeare
 - EN 319 Writing for the Media
 - EN/TH 361 Seminar: Modern Drama
 - CM 101 Introduction to Media Studies
 - CM 150 Introduction to Film
 - CM 250 Visual Cultures
 - CM 275 Video Production I
4. Concentration electives (12 credits)

In addition to the common curriculum, students must select at least one of the following concentrations and complete an additional 12 credits: Directing for Stage and Film, Play and Screenwriting, Theater Design, Theater and Film Criticism, Drama

THEATER ARTS AND ACTING at Arcadia University

Therapy, Arts Administration or Theater in Education.

- 5. TH 370 Career Internship
- 6. TH 490 Advanced Workshop in Theater: Senior Project

Minor in Theater Arts

The minor in Theater Arts introduces students to the field and techniques associated with the creative arts. The minor is designed for students who want to combine theater with another major area. With this background, students may be eligible for graduate work in theater and film.

Requirements for the Minor

(20 credits as listed below)

A minimum of five courses in Theater Arts

- TH 140 Fundamentals of Acting
 - or TH 141 Role Play and Improvisation
 - TH 165 Method Acting
 - TH 275 Acting and Directing for the Camera
 - TH 350 Play and Screenwriting
- Three alternative classes may be chosen with the permission of Theater Director.

Requirements for Secondary Education Certification in English

Students who want to be certified to teach English, but who want to complete a major in Theater Arts and English, must satisfy the following requirements:

1. Completion of the certification requirements. (See Education section of the Undergraduate Catalog.)
2. Nine courses in Theater Arts (24 credits)
 - TH 101 Voice and Speech I
 - TH 102 Voice and Speech II
 - TH 150 Improvisation
 - TH 191 Stage Practicum and Crew I
 - TH 192 Stage Practicum and Crew II
 - TH 199 Theater History
 - TH 165 Method Acting
 - TH 365 Children's Theater

One from following list of courses:

- TH 275 Acting and Directing for the Camera
- TH 330 Directing
- TH 341 Acting in Modern Theater
- TH 350 Play and Screenwriting

3. Eight courses in English (32 credits):

- EN 199 Interpreting Literature
- EN 320 Studies in Classical and Medieval Europe
- EN 321 Studies in the European Renaissance and Enlightenment
- EN 322 Modern British Literature
- EN 323 Modern American Literature
- EN 334 Introduction to Linguistics and Language History
- EN 439a Teaching Writing (See Graduate Catalog.)

One English elective in writing beyond EN 102.

Theater Arts Courses (TH)

101

Voice and Speech I

(2 credits; Fall)

The focus of the work is on relaxation, alignment, breathing, the development of free resonance flow, and good articulation of vowels and consonants.

102

Voice and Speech II

(2 credits; Fall)

Actors are introduced to the progression of voice exercises in Kristin Linklater's "Freeing the Natural Voice." The focus of the class is on developing techniques that foster the connection between the acting impulse and the voice.

Prerequisite: TH 101.

140

Fundamentals of Acting

(4 credits; Fall, Spring)

Students work on basic acting skills such as developing the ability to produce free, imaginative, and purposeful behavior in relation to environments, objects, and other persons; individual silent exercises; and group exercises. This work leads to in-class performances of selected scenes from a variety of American contemporary plays with special focus given to

THEATER ARTS AND ACTING at Arcadia University

the sensory requirements in the text. No previous experience is required.

141

Role Play and Improvisation

(4 credits; Fall, Spring)

In exploring the dimensions of theatrical self-expression, this course employs lecture, discussion and classroom activities to raise issues that stretch self-awareness through dramatic interaction involving imagination and creativity. Through theater games and dramatic situations, students learn a variety of performance skills and find themselves exploring their own creative and artistic possibilities. No previous experience required.

150

Improvisation

(4 credits; Fall)

Work on improvisation is central to the formation of an actor; it is a kind of research—a way of working through which the actor's experiences pass to nourish their imagination. Without the help of a playwright or director, the actor creates and presents a full dramatic life. Improvisation develops the faculties of invention, imagination and concentration and at the same time gives the actor a sense of freedom. Studio course with lab requirement.

165

Method Acting

(4 credits; Fall)

Long after the impact of Brecht, Artaud, Grotowski, Lecoq and Peter Brook, the art and practice of acting is still turning on the revelations and teachings of Constantine Stanislavsky. If the Stanislavsky "system" or "method" is applied literally, it leads merely to realism, but applied systematically with discrimination it can become the grammar of all styles. While based on the teachings of Stanislavsky, this course includes insights by other famous acting teachers such as Uta Hagen, Sanford Meisner, Lee Strasberg, Michael Chekhov and Stella Adler. This is an initial acting course with a focus on the practical and playable aspects of the "system's" training, providing the actor with a resource to operate completely on his or her own in any and all production situations. Studio course with lab requirement.

191

Stage Practicum and Crew I

(0 credits; Fall)

Includes scene construction, rigging, costume construction, drafting and stage lighting. Examines theater architecture and elements of scene, costume and lighting production. All students in the first year of the program are

assigned on a rotating basis throughout the year to various crews that build and run the shows in the Theater performing series.

191

Stage Practicum and Crew II

(0 credits; Spring)

Includes scene construction, rigging, costume construction, drafting and stage lighting. Examines theater architecture and elements of scene, costume and lighting production. All students in the first year of the program are assigned on a rotating basis throughout the year to various crews that build and run the shows in the Theater performing series.

199

Theater History

(3 credits; Spring)

Study of the development of the physical theater and concurrent developments in dramatic literature and musical theater. Surveys styles in acting, directing, dramatic criticism and production from historical, analytical and performance perspectives. Requires individual and group projects. Includes attendance at theater productions when possible. No previous experience required.

200

Production Workshop: Special Topics in Theater Arts Production

(2 credits)

Participation in actual theater production and work projects using technical skills such as set construction, light rigging or creative skills such as acting, movement. Topics rotate. May be repeated for credit. No previous experience required.

201

Script Analysis

(4 credits, fall)

There's no other way to say it: Reading plays is difficult. To read a play in print is to encounter a work of art in unfinished and incomplete form. Visual artistry, physical presence and live audience dynamics are reduced to flat, static words on a page. In this course, students explore and practice with various techniques for reading and analyzing scripts: techniques designed to help theater artists discover more fully the dynamic potential of theatrical texts as blueprints for live performance. Students work with several techniques for analyzing play texts, explore conventional play genre labels (tragedy, comedy and tragicomedy), and examine the ideas of key theorists in Western theater history (Aristotle, Brecht, Artaud), to discover different perspectives from which plays may be read and evaluated critically. Class discussions, online discussions and writing assignments provide opportunities to

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develop and refine the critical/analytical skills addressed in course readings.

203

Voice and Speech III

(2 credits; Fall)

Actors explore the second half of the Linklater voice progression. The focus is on developing each actor's full vocal range. In addition to the voice exercises, students work on a variety of texts chosen to support their growing acquisition of skills.

Prerequisite: TH 101.

204

Voice and Speech IV

(2 credits; Spring)

The focus is on speech. Clarity of articulation and effective use of vowels is developed by learning the International Phonetics Alphabet.

Prerequisite: TH 203.

210

Yoga

(2 credits; Fall, Spring)

This course will introduce study in the Indian exercises of relaxation and energy focusing. No previous experience necessary. May be repeated once for credit.

211

Stage Makeup

(2 credits; Fall)

This course seeks to illuminate the actor's quest for character through a concise, easily understood exploration of the connection between makeup and character, emphasizing the total visual impact of the character on the audience and discussing in depth the contribution of props and costume to the overall effect. The course is intended to help performers. Students bridge the gap between understanding a role and expressing that understanding in tangible form. (Theater Acting majors only.)

212A

Advanced Yoga

(2 credits; Fall)

This course is suitable for students who have a basic understanding of yoga and want to deepen their practice through exploration of intermediate yoga postures and techniques that promote mental clarity, relaxation, and total well being. An emphasis will be placed on the chakra system, the subtle energy centers in the body.

Prerequisite: TH210 or previous yoga experience (approved by instructor).

220

Special Topics in Stagecraft

(3 credits; Fall, Spring)

- A. **Stage Construction:** Includes scene construction, rigging, costume construction, drafting and stage lighting. Examines theater architecture and elements of scene, costume and lighting production.
- B. **Stage Management:** This course is divided into pre-production, rehearsal period, tech/running, and maintenance of production segments. The objective is to thoroughly introduce the student to the different venues of theater from small storefront theater to large regional theaters. Although the emphasis is on management practices for theater venues, there is an element of the practical, day-to-day "nuts and bolts" in the Stage Management process.
- C. **Theater Management:** Through lecture, discussion and projects, the student learns about styles of theater management, and companies with a variety of management structures. The course focuses on American not-for-profit companies, with strategies for board development, financial management, marketing and ticket sales, promotion, arts advocacy, and fund-raising.
- D. **African-American Drama:** This course views the social, political and cultural history of 19th and 20th century United States through the lenses provided by a diverse selection of African American playwrights and other theater artists. The plays (which range from one act to full-length, from the tragic to the satirical) address a variety of issues including slavery and its abolition, civil rights, inter-racial relationships, Black Nationalism, women's rights and gay rights. Classes include script, scene, and character analyses as well as student-directed and acted readings from selected scripts. The course also explores the educational applications the theater arts can have in related fields.
- E. **Dance:** This is a modern dance technique class focusing on the connection and coordination of the upper and lower body. To this end, emphasis is placed on increasing abdominal strength thereby gaining freedom and fluidity in the limbs. Warm-ups and exercises increase strength, stretch and stamina. Traveling sequences are geared toward gaining rhythmic accuracy and coordination.

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- Class combinations and exercises increase in length and difficulty throughout the semester.
- F. **Introduction of Dramaturgy:** What the heck is a dramaturg? What does a dramaturg do? Why do we need dramaturges in the theater? This course explores the theory and practice of dramaturg as a creative art. Together we examine the responsibilities of a dramaturg in helping to shape a theatrical production and complete practical exercises that will help to build the skills and sensibility needed for real-life dramaturgical work. Members of the class will attend and discuss theater productions, and work together on dramaturgical research for a Theater Arts program's production.
- G. **American Women Playwrights:** This course surveys some of the most influential plays written by American women of the 20th century. The course examines how female writers have participated in, responded to, and helped to shape the prevailing currents of American drama. No previous experience necessary.

221

Dance and Choreography

(3 credits; Fall)

Movement is inherently dramatic. Explore the wide range of movement that exists within our bodies and the world around us. This is a studio course that explores the elements of dance making and the craft of choreography through the manipulation of time, space and energy. The movement material explored is pedestrian movement and stylized dance. Each student works within his/her own technical skill level to uncover the endless possibilities of movement within the human body and the vast opportunities for communication of the human experience. No previous experience necessary.

222

Stage Combat I

(3 credits; Spring)

Starting with the basics of hand-to-hand combat, or weaponless fighting, the students are introduced to the idea of personal safety, how to be safe and remain safe onstage. All the fundamental moves every actor needs to get by in this business. Students then study and practice the art of the sword. Learn the techniques that keep the actor safe long after training is over. Coursework includes training in Unarmed and single sword. No previous experience required.

223

Stage Combat II

(2 credits; Fall)

Picking up from Basic Stage Combat, the student will be drilled in the sword and work toward its perfection. An emphasis on fencing with the foil epee and saber becomes part of the students' regimen to teach better coordination and focus, as well as the practical applications thereof. The latter part of the class is dedicated to the quarterstaff and its use. Students explore the weapon through exercises and choreography. Basic certification with Fight Directors Canada is possible upon completion of training.

Prerequisite: TH 222.

224

Stage Combat III

(2 credits; Spring)

Rapier and Dagger: The traditional weapons of Shakespeare's day; picking up from single sword technique, the additional weapon is added to the non-dominant hand, i.e. dagger. The student practices in this double fence style until he or she can use them with facility. **Broadsword:** The basics of this classic medieval weapon are taught in much the same way as the rapier. Starting with the rudimentary footwork and guards of the weapon, the cut and parries will be taught and drilled. The students will explore the use of the broadsword through choreography and styles taught. Basic certification with the Society of American Fight Directors is possible upon completion of training.

Prerequisite: TH 223.

231

Intermediate Dance

(3 credits; Spring)

This is a modern technique class that builds on the foundation in Dance 220. Emphasis is placed on increasing accuracy of articulation and range of movement and moving the body as a cohesive unit. As the body gains strength and flexibility, each student is encouraged to find his or her own stylistic voice and individuality in movement.

Prerequisite: TH 220/221 or instructor's permission.

241

Acting: Scene Study

(4 credits; Spring)

A scene study class focusing on characterization and motivation. Students rehearse and perform contemporary plays as a means of furthering skills and craft. Both performance and personal journals are maintained on a continuing basis, and outside rehearsals on scenes are expected. The emphasis is on interpretation of the playwright's intentions and findingactable,

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interesting choices for the actor. Studio course with lab requirement.

Prerequisite: TH 150 and permission of instructor.

261

Scene Design and Lighting

(4 credits; Fall)

Two-part program of study: Scene design for display, culminating in a scenic model; stage lighting theory and practice, culminating in a full light plot. Examines the history of design and its influence on the actor's art, tools and techniques. Surveys the practical and theoretical elements of lighting instruments, their function and design. Includes theater laboratory and assistance in the actual lighting of a production. No prerequisites required. Offered in even years.

262

Costume Design

(4 credits; Fall)

Two-part program of study: Costume design for display, culminating in a full-costume plot. Examines the history of design and its influence on the actor's art, tools and techniques. Surveys the practical and historical elements of costume, their function and design. Includes theater laboratory and assistance in the actual costuming of a production. No prerequisites required. Offered in even years.

275

Acting and Directing for the Camera

(4 credits; Fall)

Performance-oriented course designed to explore basic and advanced acting and directing problems as they apply to work in front of the camera. The course includes a basic introduction to film acting and covers such topics as acting for commercials, reading cold copy, using idiot cards, working in the master shot, creating a role using tics and idiosyncrasies and auditioning. Studio course with lab requirement.

300

Advanced Theater Practicum

(2 credits; Fall, Spring)

In-depth study in performance or production culminating in a performance project. The Theater Arts adviser must approve topic and project.

301

Neutral Mask

(2 credits; Fall)

Neutral mask work is central in actor training because it enables the actor to experience in its most startling form the chemistry of acting. Because the face is hidden, all expression depends on the body—the mask becomes an

energizing force leading the actor to depend upon the richness of his or her inner life within a calm and balanced body. The mask then is a tool to help the actor to strengthen his or her inner feelings and their power of concentration, develop physical powers of outward expression and diminish self-consciousness. Studio course with lab requirement.

302

Lecoq Technique Movement

(2 credits; Fall)

Jacques Lecoq was a widely recognized force in modern theater. Internationally, the Lecoq method of movement study and analysis has been as significant as Stanislavsky's work on motivation. In the field of mask, improvisation, adaptation, children's theater and characterization, Lecoq has trained or influenced many noted educators and professionals in theater. Rather than getting inside a character's head, as Stanislavsky preaches, Lecoq's technique takes actors to the point of view that "thought did not come first, that action came first." Studio course with lab requirement.

303

Business of the Arts

(3 credits; Fall)

Students learn how the entertainment industry works and how to get started upon a career.

319

Stage Combat IV

(2 credits)

Stage combat in production. This course is for those interested in careers in stage combat. The course begins with the acquisition of new weapons forms, which are then incorporated into a "fight show." From auditions to performance, the students address all aspects of mounting these productions, including staging their own fights, the productions are treated as professional work.

Prerequisite: TH 224

330

Directing

(4 credits; Spring)

This course is intended as an introduction to directing for the stage. The principles of working with actors and leading a team of designers accompany a series of small assignments leading to a final directing project. Includes theory and practice in play directing: play selection, playscript interpretation, composition, movement, business management, casting, rehearsal, performance, director/designer and director/actor relationships. Students focus on perception and expression as a means of drawing inner and physical expression from others. Requires

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prompt preparation of scripts, direction of scenes and one-act plays, and theater laboratory.

Prerequisite: Two 200-level Theater courses.

340

Styles of Acting

(4 credits)

The course is intended as a means to deepen and challenge the advanced actors' craft by applying their acting skills toward the execution of several acting styles. The course seeks to provide students with abundant means of expression, derived from a study of many techniques, producing a flexibility that is not contradictory to their need-for-truth, but will develop their range of creative freedom. Style, from whichever epoch, consists of form and content, the two being inseparable.

Prerequisite: TH 175.

- A. **Commedia into Text, Moliere, Marivaux, Goldoni and Guzzi:** For 200 years, commedia players had amused Paris and influenced its playwrights, notably Moliere and Marivaux. The robust style and subversive nature inspired them and helped create an arena for a newly free, emotionally direct kind of theater. Lectures cover background with studio work and seminars built around improvised scenes along with scenes and monologues that are to be rehearsed outside of the class for performance and critique during class. Studio course with lab requirement.
- B. **Acting Chekhov:** Scene study of the great Russian playwright Anton Chekhov.
- C. **Contemporary Theater:** Scene study of today's most influential playwrights and study of the contemporary theater scene.

Prerequisite: TH 175 Acting scene study; or permission of instructor. May be repeated for credit.

341

Acting in Modern Theater

(4 credits; Fall)

Scene study of Modern classic writers, such as, Ibsen, Strindberg, Chekhov, and American writers O'Neill, Miller, Hellman, Wilson, and Vogel. Studio course with Lab requirement.

343

Commedia del' Arte

(4 credits; Spring)

Commedia del' Arte offers an opportunity to explore the work and history of the actor-creator,

the actor for whom the empty space, the ensemble and the audience are equal partners. As a living theater form commedia del' Arte no longer exists, but the study of the masks, improvisational techniques, lazzi and scenario provide the contemporary actor with a challenging container in which to explore essential human archetypes and relationships as well as the art of comedy. Lectures cover background with studio work and seminars built around improvised scenes along with scenes and monologues that are to be rehearsed outside the class for performance and critique during class. Studio course with Lab requirement.

344

Acting Shakespeare

(4 credits; Spring)

The course begins with helping the student to feel the very heartbeat of the work, the students/actors have to know how to decipher and understand a text that may feel strange on the tongue, and they have to discover the text's tone and tempo, mine its inner richness, and learn how to speak the text with ease. Lectures cover background with studio work and seminars built around improvised scenes along with scenes and monologues that are to be rehearsed outside the class for performance and critique during class. Studio course with Lab requirement.

345

Acting in Film and TV

(4 credits)

In this course students learn to deliver performances that are truthful, based on instinct rather than intellect. Participants work with student directors in preparing scenes selected from film, television, theater, or original material to be recorded on videotape for in-class presentation, discussion and critical analysis by the instructor. Studio course with lab requirement.

350

Play and Screenwriting

(4 credits; Fall)

Using the creative approach, the course examines several forms of scriptwriting (e.g., playscript, the screenplay and scripts for audio/visual media), introduces tools of critical analysis through critique of student's original work, and presents practical aspects of marketing the stage of screenplay. No previous experience required.

361

Seminar: Modern Drama

(4 credits)

Exploration of the styles and techniques of modern century theater. Includes selected British,

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American, and Continental plays by modern dramatists such as, Ibsen, Strindberg, Chekhov, Shaw, Synge, O'Neill, Pirandello, Brecht, and Pinter.

Prerequisite: Junior standing or above.

365

Children's Theater

(4 credits; Fall, Spring)

This is a course in the multiple aspects and practices of children's theater in America. The course examines the theatrical conventions and structures of this distinct area of theater. The course explores the multiple areas of children's theater from performance to puppetry. The course includes writing a paper on a children's theater or practitioner in America. The art of children's theater is a loss of our present inhibition and a willingness to rediscover the child within. We discuss and explore all areas of performing for children. No previous experience required.

370

Career Internship in Theater Arts

(4 credits; Fall, Spring)

Working internship for one semester at a professional theater, television, or radio station.

Prerequisite: Junior standing or above.

389

Independent Study

(Fall, Spring)

In-depth study and research culminating in a substantial paper or performance project.

Prerequisite: Junior standing or above; a minimum GPA of 3.0 and permission of the Department Chair.

393

Special Studies in Theater Arts

(Fall, Spring)

Advanced course on special topics such as Solo Performance, Performance: From Ritual to Theater, autobiographical Adaptations: Ethnographic method for playwriting and performance, Spirituality and Theater, Movement Theater and the New Vaudeville, or New Perspectives on Theater Adaptation. The course is designed as a means of addressing the interdisciplinary nature of the art of theater and poses subjects of interest to students and faculty.

Prerequisite: Two Theater Courses 200 level or above. Topics may vary; may be repeated for credit.

490

Advanced Workshop in Theater

(Spring)

Individual or small-group projects in acting styles, directing full-length plays, scene and lighting

design, theater management, or other theater areas. May involve directing or designing of a major college production, a formal advanced class, or other approved topics.

Prerequisite: individualized projects require the approval of the instructor or Director of Theater.