

# YALE GORDON COLLEGE OF ARTS AND SCIENCES

Christine Spencer, dean  
Ronald Castanzo, associate dean  
[ubalt.edu/cas](http://ubalt.edu/cas)

## INNOVATION, DISCOVERY AND ENRICHMENT

The Yale Gordon College of Arts and Sciences awards bachelor's, master's and doctoral degrees, and postbaccalaureate and post-master's certificates that encourage innovation and discovery, and enrich the intellectual lives of the college's students and faculty members. Through interdisciplinary and discipline-based programs in the arts, humanities, and social and natural sciences, the college offers visionary, integrative learning and teaching environments enhanced with rapidly evolving information and communication technologies. Our graduates learn to be reflective, skilled communicators adept at addressing contemporary problems within an ethical framework and are able to adapt to a changing world. Well-prepared for the world of work, our students become broadly informed and deeply engaged in local, regional and world communities.

The college was founded in 1937 as a junior college emphasizing the liberal arts. In 1961, it became a four-year institution offering day and evening classes; 1974 marked the introduction of its first graduate program. In 1975, it became an upper-division college and graduate school. Now that the University offers four-year programs, the college continues its commitment to offering a variety of unparalleled graduate programs and outstanding undergraduate programs.

In 1982, the College of Liberal Arts was named for Yale Gordon, a The University of Baltimore alumnus and businessman who understood the central importance of the humanities in higher education and in the life of a community. With his wife, Peggy, he established the Peggy and Yale Gordon Trust, which supports organizations such as the Yale Gordon College of Arts and Sciences that are dedicated to advancing the humanities. In 2010, the college was renamed the Yale Gordon College of Arts and Sciences to reflect a strengthened, expanded foundation of General Education and arts and sciences courses to enhance student success.

Although teaching and learning are of primary focus, the college places considerable importance on research and public service for both faculty members and students. Theoretical and applied research among faculty members enhances the quality of our academic programs and ensures the competitiveness of our students and graduates in the workplace and beyond.

As a public institution, the college recognizes its responsibility to the state and to the Baltimore metropolitan area. The work of the Ampersand Institute for Words & Images, various specific projects undertaken in conjunction with enterprises like CityLit Project, and programs like legal and ethical studies and integrated arts, as well as those contributing to game design and counselor education, have an impact on the growth and development of the community that reaches far beyond the campus borders.

## DIVISIONS AND SCHOOLS

The college comprises four academic units: three divisions and a school. All units award bachelor's and master's degrees; some offer certificates and doctoral degrees. Each unit includes opportunities for interdisciplinary studies as a platform for cross-divisional innovation.

- Division of Applied Behavioral Sciences

Kristen Eysell, program director, B.A. in Psychology

John Donahue, program director, Certificate in Professional Counseling Studies

Courtney Gasser, program director, M.S. in Counseling Psychology

Sharon Glazer, program director, Certificate in Global Industrial and Organizational Psychology

Thomas Mitchell, program director, M.S. in Industrial and Organizational Psychology

Educating students for life and for work, the Division of Applied Behavioral Sciences is committed to offering educational and professional programs of the highest quality to meet the emerging needs of students, the community and the region. The Division of Applied Behavioral Sciences offers an undergraduate program leading to a degree in psychology, an accelerated B.A./M.S. option and a graduate program leading to a degree in applied psychology, with concentrations in counseling psychology (offering practitioner and science specializations) and industrial and organizational psychology (offering unique study abroad opportunities). The practitioner specialization within the counseling psychology concentration is accredited by the Masters in Psychology and Counseling Accreditation Council (MPCAC) for the period of February 2022 through February 2030. Additionally, the division offers a post-master's certificate program in professional counseling studies, which prepares students for Maryland state and national licensure as licensed clinical professional counselors, as well as a post-master's certificate in global industrial and organizational psychology.

- Division of Legal, Ethical and Historical Studies

Joshua Clark Davis, program director, B.A. in History

Justin Hollimon, program director, B.A. in Legal Studies, M.A. in Legal Studies

Nicole Hudgins, program director, B.A. in Interdisciplinary Studies

Joshua Kassner, program director, B.A. in Philosophy, Law and Ethics

Law, ethics and history are woven into our society. The Division of Legal, Ethical and Historical Studies offers undergraduate and graduate degree programs that examine these areas of study from various perspectives. It offers undergraduate programs leading to degrees in history, philosophy, law and ethics; and legal studies, and a graduate program leading to a degree in legal studies. Special emphasis is given to the study of applied ethics as well as to regional, economic and cultural studies. The division is closely affiliated with the University's Hoffberger Center for Professional Ethics.

- Division of Science, Information Arts and Technologies

Stanley Kemp, program director, B.A. in Environmental Sustainability

Aaron Oldenburg, program director, B.S. in Simulation and Game Design

Giovanni Vincenti, program director, B.S. in Applied Information Technology, certificates in Computer Programming and Cybersecurity

Bridget Blodgett, program director, M.S. in Interaction Design and Information Architecture, certificates in Advanced UX Research and User Experience (UX) Design

Kathryn Summers, program director, D.S. in Information and Interaction Design

Focusing on three of the increasingly important science, technology and mathematics disciplines and meeting the work force demand for those who possess the knowledge and skills to practice them, the Division of Science, Information Arts and Technologies offers academic programs designed for students with interests in science and computer-related areas, and the mathematics that supports them. These interests range from information technology, usability studies, system development, and game, simulation and interaction design, to environmental studies that encompass science, ethics and politics, to the exploration of humans' interactions with the planet. The division offers undergraduate programs leading to degrees in applied information technology, environmental sustainability, and simulation and game design. It also offers graduate programs leading to a doctoral degree in information and interaction design and a master's degree in interaction design and information architecture. It offers upper-division undergraduate certificates in computer programming and cybersecurity, as well as a post-bachelor's certificate in user experience design.

- Klein Family School of Communications Design

Jane Delury, program director, B.A. in English

Jennifer Keohane, program director, B.A. in Digital Communication

Ian Power, program director, B.A. in Integrated Arts

Betsy Boyd, program director, M.F.A. in Creative Writing & Publishing Arts

Jacob DeGeal, program director, M.A. in Integrated Design and Certificate in Digital Communication

Megan Rhee, program director, M.F.A. in Integrated Design,

Making ideas public—that is how the Klein Family School of Communications Design defines its mission. Its programs start conversations: between creativity and pragmatism, between traditional humanities and our technology-focused world, between the practical and the ideal. The school promotes learning as both a key to and a function of life, with programs that explore the connection between art and commerce, words and images, and old and new media. The school offers undergraduate programs leading to degrees in digital communication, integrated arts, English and interdisciplinary studies. Graduate degrees include an M.A. in Integrated Design, an M.F.A. in Creative Writing & Publishing Arts, an M.F.A. in Integrated Design and a Certificate in Digital Communication.

## STUDENTS

The approximately 1,000 men and women enrolled in the Yale Gordon College of Arts and Sciences—about one-half of them in undergraduate programs—represent about one-quarter of the total University of Baltimore student population.

About two-thirds of the college's undergraduate students are enrolled full time. Many of the remainder are already working in a wide variety of careers, and most of the college's students—whether undergraduate or graduate, full time or part time—balance job, family and school responsibilities. Some students are seeking advancement in their current careers; others are preparing to change careers. This diversity of age and experience is an important and invigorating part of campus life. Classes take place during the day and in the evening, and most undergraduate majors can be completed entirely in the day, in the evening or through a schedule combining these.

## FACULTY

College of Arts and Sciences faculty members are leaders in teaching, research, scholarship and service to the community. Full-time faculty members teach both graduate and undergraduate courses, conduct sponsored research, publish papers and articles, and engage in public service as consultants, board members and volunteers. The college's teaching faculty also includes a cadre of adjunct professors who are leading professionals and practitioners in dozens of fields—from government to the arts, nonprofit organizations to businesses. These adjunct faculty members contribute in significant ways to creating and advancing professional applications of the arts and sciences. A number of the University's administrative staff also serve as adjunct faculty members.

## FACILITIES

Classrooms, laboratories and faculty offices for the Yale Gordon College of Arts and Sciences are located in the Learning Commons, the Academic Center, and the Liberal Arts and Policy Building. The college shares The University of Baltimore's Robert L. Bogomolny Library and the Office of Technology Services with other components of the University.

A gift of psychology professor emeritus William Wagman and his wife, Althea, the William and Althea Wagman Laboratory on the second floor of the Academic Center North includes a sensory deprivation room, an individual testing room, a wet lab and a computer intranet system. Division of Applied Behavioral Sciences students can use the lab for independent and classroom research.

Advanced laboratories in the Klein Family School of Communications Design support student work in graphic design, electronic publishing, motion graphics, digital imaging, audio/video studio production and postproduction editing. Laboratories include high-end Apple computers; an array of quality printers, including those for large-scale posters; a professional mounting and lamination system; and connections for digital cameras, camcorders, high-end photo-quality scanners and other equipment. The multiroom facility offers easy access to state-of-the-art software for graphic design; image creation, correction and manipulation; digital audio and video mixing and postproduction; animation; and web design.

Laboratories in the Division of Science, Information Arts and Technologies support work in biology, earth and environmental science, PC and network administration, information security, hypermedia, game design, application development for mobile technologies and usability research. Facilities include a general science laboratory and an environmental sciences lab with state-of-the-art facilities (a designated Biosafety Level 2 research facility) that supports both faculty and student research projects. The information security lab provides students with access to networking hardware, including network switches, firewalls, intrusion detection systems and virtual private network (VPN) servers. The UBalt User Research Lab, a high-tech teaching and research laboratory specializing in human-centered research studies, provides an environment for understanding the user experience in various contexts; provides user research services to academic researchers, graduate students and businesses; and contributes valuable research findings to the professional and user research community. The UBalt Game Lab and the Digital Whimsy Lab support research in game development and user experience; provide space for collaborative, industry standard prototyping and group design; and support knowledge-based applied research using immersive, visualization and interactive game technology.

## UNDERGRADUATE PROGRAMS

### Degree Programs

- Applied Information Technology (B.S.)
- Digital Communication (B.A.)
- English (B.A.)
- Environmental Sustainability (B.A.)
- History (B.A.)
- Integrated Arts (B.A.)
- Interdisciplinary Studies (B.A.)
- Legal Studies (B.A.)
- Philosophy, Law and Ethics (B.A.)
- Psychology (B.A.)
- Simulation and Game Design (B.S.)
- 

### Upper-Division Certificate Programs

- Computer Programming
- Cybersecurity

**Note:** Descriptions of these programs follow academic policies and information in the above-listed alphabetical order.

## HELEN P. DENIT HONORS PROGRAM

Both faculty members and students in the Yale Gordon College of Arts and Sciences participate actively in the Helen P. Denit Honors Program. See the [honors program](#) section or visit [ubalt.edu/honors](http://ubalt.edu/honors).

## ACADEMIC POLICIES AND INFORMATION

### University-Wide Degree Requirements

See the [University-Wide Degree Requirements](#) section of this catalog.

### Collegewide Degree Requirements

All Yale Gordon College of Arts and Sciences bachelor's degree candidates are required to:

- Complete a minimum of 120 credits, including the specific requirements of their major, with a minimum cumulative grade point average of 2.0.
- Apply no more than 63 credit hours of community college work toward graduation unless an articulation agreement should allow more.
- Earn a minimum grade of C (2.0) in all courses required for the major, including courses that are regarded as electives in the major. Some programs may have additional requirements or standards, which are specified in the program requirements in this catalog.
- Apply no more than 30 credits in business courses toward requirements for the bachelor's degree.
- All students are required to take at least 30 credits toward the bachelor's degree at The University of Baltimore after transfer to the University, with at least 15 of these credits at the 300-level or above.

- Once enrolled at The University of Baltimore, students must receive advance written permission from the dean or the dean's designee to earn credits at another institution and transfer them into the degree. Students will never be allowed to apply fewer than 30 UBalt credits to the bachelor's degree.
- Generally, the last 30 credits are completed at the University, but with advance permission of the dean, and assuming the student has already completed enough credits at The University of Baltimore, exceptions may be made for compelling reasons.
- Complete the last 30 credit hours required for the degree at The University of Baltimore.

**Note:** Any deviation from the program requirements described in the catalog requires the written permission of the dean of the Yale Gordon College of Arts and Sciences.

## ACADEMIC MINORS

Students who have completed 24 credit hours with a 2.0 cumulative GPA may declare a minor, which is a cohesive set of courses designed by faculty members to provide students with an opportunity to cultivate skills and knowledge through concentrated study in an area that is not the major. Minors may focus on one discipline or may be interdisciplinary; they require 15 to 21 credits. Completing a minor is optional, and students should seek the guidance of an academic adviser when selecting a minor to understand how the minor requirements may be completed in conjunction with their degree.

For more information about minors offered and further requirements, see [Academic Minors](#).

## OPTIONS AND REQUIREMENTS FOR UNDERGRADUATE STUDENTS TAKING GRADUATE COURSES

Undergraduate students who have a minimum cumulative GPA of 3.2 and have completed at least 90 credits applicable to a degree (senior standing) may request enrollment in graduate courses as part of their undergraduate degree. Enrollment requires the approval of the directors of both the undergraduate and graduate programs in question. With this arrangement, undergraduate students are permitted to take a maximum of 6 credit hours at the graduate level, and these credits are applied strictly to the undergraduate degree.

Undergraduate students taking graduate courses being applied to an undergraduate degree pay usual undergraduate tuition. Consequently, all application and approval forms must be completed prior to registration.

## ACCELERATED BACHELOR'S/MASTER'S OPTION

Undergraduate students of recognized academic ability and educational maturity may fulfill the combined requirements of the college's bachelor's and master's degrees via a variety of accelerated bachelor's/master's options. This is different from applying to enroll in graduate courses as part of the undergraduate degree, as described above.

This accelerated option requires a minimum of 141 credits to complete both degrees, depending on the requirements of individual programs. A maximum of 9 graduate credits, completed at the undergraduate level, may be applied simultaneously to the requirements for the bachelor's and master's degrees. In

some cases, students may cross disciplines. Those interested should discuss their proposals with the appropriate program directors and their adviser.

To qualify for an accelerated pathway at UBalt, students must have an undergraduate grade point average of at least 3.5, with at least 15 credits earned at UBalt, and be admissible to the graduate program to which they are applying for the accelerated option. The undergraduate GPA is calculated using all graded collegiate credits attempted at UBalt and other institutions over the past five years. At least 15 credits must be upper-division credits (300 level or above). Individual programs may require a certain number of credits to be upper-division credits in the major and for those credits to achieve a certain grade point average. Students should apply for the accelerated option prior to beginning the last 30 credits of their bachelor's degree so that if accepted, they may attempt the graduate credits during the last 30 credits of that degree. Students may not apply before they have successfully completed at least 75 credits, and the grade point average for acceptance will not be calculated until at least 87 credits have been completed. Students interested in an accelerated option should consult with an adviser as soon as possible. Permission of the undergraduate and graduate program directors and of the dean of the college (or designee) will be required as part of admission application to the accelerated pathway. (The application is on the UBalt website.)

Students admitted to the accelerated option may earn up to 9 graduate credits within the last 30 credits of the bachelor's degree that may be applied to both the student's bachelor's and master's degrees if the student remains continuously enrolled. Students taking advantage of this accelerated option may register for up to 9 credits of graduate coursework during the last 30 hours of their undergraduate degree. The undergraduate and graduate program directors will select the appropriate graduate courses for each student upon election of the option. These courses may not include independent study or research, individual research, directed study, thesis, internship or practicum courses. Changes in the program of study require approval of both the undergraduate and graduate program directors. The student must maintain a 3.5 grade point average in undergraduate courses and earn at least a 3.0 in the graduate courses to remain in the pathway. Programs may opt not to accept course credits toward the graduate degree if the student did not earn at least a 3.0 in the course.

Students must be in continuous enrollment at The University of Baltimore for this agreement to remain in effect. Those who fail to maintain the eligibility requirements will be dropped from the accelerated option. Applicability (if any) of graduate courses to the undergraduate degree will be determined on an individual basis. Students should be aware that graduate courses applied to both undergraduate and graduate degrees at the University may not transfer as graduate credits to another institution.

In addition to electing the accelerated bachelor's/master's option, a separate application for admission to the graduate program (including payment of applicable fees) must be completed during the final semester of the bachelor's program. Admission to the graduate program must be effective the first regular semester after completing the credits required for the bachelor's degree so that there is no break in studies.

## **GRADUATE PROGRAMS**

### **Doctoral Program**

- Information and Interaction Design (D.S.)

### **Master's Programs**

- Counseling Psychology (M.S.)

- Creative Writing & Publishing Arts (M.F.A.)
- Industrial and Organizational Psychology (M.S.)
- Integrated Design (M.A.)
- Integrated Design (M.F.A.)
- Interaction Design and Information Architecture (M.S.)
- Legal Studies (M.A.)

#### **Graduate Certificate Programs**

- Advanced UX Research
- Digital Communication
- Global Industrial and Organizational Psychology
- Professional Counseling Studies
- User Experience (UX) Design

## **LAW SCHOOL AUTOMATIC-ADMIT OPTION**

Students who graduate from a The University of Baltimore undergraduate program with a cumulative cross-institutional grade point average of 3.5 or better as computed by the Credential Assembly Service and an LSAT score of 150 or better, or a cumulative cross-institutional grade point average of 3.0 or better and an LSAT score of 152 or better, can be automatically admitted into the entering class of the UBalt School of Law following their graduation.

Admission is for the fall semester only (note that the law school cannot make an admission decision until students have completed 75 credits of undergraduate coursework), and a completed application must be submitted by April 1. Students should take the LSAT no later than February of the calendar year in which they would like to enter law school.

Note that if students answer yes to any of the character and fitness questions on the UBalt School of Law application, they are not eligible for automatic admission; instead, their application will be forwarded to the admission committee for a complete review. Character and fitness questions concern information regarding academic and disciplinary probation, criminal offenses, civil suits and employment termination.

The UBalt School of Law does not ensure acceptance into the full-time day program; students may be admitted to the full-time day program, the part-time day program or the evening program.

The law school reserves the right to increase the grade point average and the LSAT score required on an annual basis.

For more information about this option, contact the Office of Law Admissions at 410.837.4459 or [lawadmissions@ubalt.edu](mailto:lawadmissions@ubalt.edu).

## **LAW SCHOOL EARLY-ENTRY OPTION**

Available to students enrolled in the B.A. in History, the B.A. in Jurisprudence or the B.A. in Philosophy, Law and Ethics programs, this option allows students' first year of enrollment at The University of Baltimore School of Law to fulfill the requirements of their last year of undergraduate study. It requires a cumulative cross-institutional grade point average of 3.5 or better as computed by the Credential Assembly Service and an LSAT score of 150 or better, or a cumulative cross-institutional grade point average of 3.0 or better and an LSAT score of 152 or better. This option is available only if students are continuously enrolled at the University from their undergraduate major into their law school education.



To pursue the option, students must complete the 93 undergraduate credits required for their degree and complete a minimum of 33 credits at UBalt, excluding AP, IB, DANTEs, CLEP or challenge examinations. Students must complete all lower- and upper-division General Education requirements and apply to the UBalt School of Law. Admission is for the fall semester only (note that the law school cannot make an admission decision until students have completed 75 credits of undergraduate coursework), and a completed application must be submitted by April 1. Students should take the LSAT no later than February of the calendar year in which they would like to enter law school.

Note that students must apply for graduation during the last semester of their first year of law school to receive their bachelor's degree. A student who, during the first 30 semester hours of the J.D. program, wishes to leave the J.D. program or who is not successful can return to the original undergraduate program.

Note that early entry law students in the final year of their undergraduate career and the first year of their JD program are required by federal regulation to be packaged for financial aid as law, not as undergraduate students; therefore these students are not eligible for undergraduate Title IV programs. If students answer yes to any of the character and fitness questions on the UBalt School of Law application, they are not eligible for early entry; instead, their application will be forwarded to the admission committee for a complete review. Character and fitness questions concern information regarding academic and disciplinary probation, criminal offenses, civil suits and employment termination. Law school admission may be into the full-time day program or the part-time day program, as determined by the School of Law.

The law school reserves the right to increase the grade point average and the LSAT score required on an annual basis.

For more information about this option, contact the Office of Law Admissions at 410.837.4459 or [lawadmissions@ubalt.edu](mailto:lawadmissions@ubalt.edu).

For more detailed information about B.A. in History program requirements, see the [program description](#).

For B.A. in Jurisprudence program requirements, see the [program description](#). For B.A. in Philosophy, Law and Ethics program requirements, see the [program description](#).

## **SECOND BACHELOR'S DEGREES**

Students who have previously earned a bachelor's degree, at either The University of Baltimore or another accredited institution, may earn a second bachelor's degree in a different degree program. Students must complete a minimum of 30 credits in residence at The University of Baltimore, applicable only to the second degree, and satisfy all of the departmental requirements for the degree, but they are not required to fulfill General Education or University-wide course requirements. No University of Baltimore courses taken to complete the first bachelor's degree can be retaken to complete the second bachelor's degree.

Credits used to satisfy a first degree at The University of Baltimore may not be applied toward the 30-credit residency requirement for the second degree. In some cases, this policy may require the substitution of courses in the major other than those specified by the second degree program. Students

interested in pursuing a second bachelor's degree should consult with the appropriate program director before making a formal application through the Office of Admission. Information about applying for a second bachelor's degree may be found in the [Admission](#) section of this catalog.

## INDEPENDENT STUDY

Students may pursue independent research with faculty members through independent or directed study courses. Each academic discipline within the Yale Gordon College of Arts and Sciences offers an independent study course that is described in the online course description, found at [ubalt.edu/courseDescriptions](http://ubalt.edu/courseDescriptions). Students must obtain permission of their program director and the supervising faculty member before registering for an independent study course.

## YALE GORDON COLLEGE OF ARTS AND SCIENCES ACADEMIC ADVISING

Yale Gordon College of Arts and Sciences  
Tel: 410.837.5351

All new students in the Yale Gordon College of Arts and Sciences must meet with the adviser of their degree program prior to registration for their first semester. Program directors and advisers assist students in planning their academic careers and selecting appropriate courses to satisfy degree requirements. Students new to a degree program are required to have an adviser's permission to register for any course and to make any changes to the previously approved registration by adding or dropping a course.

Consistent and timely academic advising is strongly related to student success. To enhance the services the college provides to its students and increase the likeliness for success and on-time degree completion, UBalt implemented mandatory milestone advising for all new undergraduate students beginning in fall 2017.

Milestone advising is anchored by three specific touch points and aligned with the personal, professional and academic goals of students at those points. The touch points are:

- **45 credits:** Advisers work with students to further explore the declared major and connect students with support services, clubs and other campus groups to enhance the opportunity to be involved in the UBalt community.
- **60 credits:** Advisers work with students to prepare for internships, global field studies and other experiential learning opportunities. Students will also be reintroduced to the support services offered by the Career and Internship Center.
- **90 credits:** Advisers focus on the final steps to graduation and the options for postbachelor's degree completion. Students learn more about the graduate degree programs at UBalt that fit their goals.

Students who have reached these important milestones must meet with their advisers to discuss their next steps for registration, course scheduling and other key academic topics before they register for classes. Advisers will release the milestone advising service indicator on students' accounts at the conclusion of the advising meetings.

In any case, Yale Gordon College of Arts and Sciences students are ultimately responsible for reviewing the requirements for their chosen degree program and seeking clarification from a program director or adviser if necessary.

In addition, continuing students who must obtain advisement and a departmental and/or dean's office signature before registering are:

- students declaring a major
- students changing their major program or specialization/track
- probationary students
- reinstated or readmitted students
- nondegree students
- students registering for an independent study or internship
- students requesting to take more than 16 credits during a regular semester or 7 credits during a summer session (permission from the Office of the Dean required; please see [Semester Load](#) section of the catalog)
- students requesting to take a course at another college or university.

## **B.S. IN APPLIED INFORMATION TECHNOLOGY**

Available to students once they have completed a minimum of 56 credits; may require that additional criteria be met, and courses to fulfill this major may not be available during the day. Visit [ubalt.edu/ait](http://ubalt.edu/ait) for more information.

Giovanni Vincenti, program director

FACULTY: Ketel, Vincenti

ADJUNCT FACULTY: Brown, Faulkner, Mayfield

In the B.S. in Applied Information Technology program, you will explore networking, developing desktop and server-based applications, and building and supporting websites, learning cutting-edge IT technologies at a much deeper level than that of traditional IT certification training.

While earning an IT certification is not a requirement of this program, we encourage you to do so in conjunction with your degree. You should be able to complete at least one major IT certification by the time you graduate from the program.

In this program, students will:

- Gain a working knowledge of computer networks.
- Learn how to develop information technology security solutions.
- Solve problems using current programming languages.
- Learn how to administer operating systems.
- Implement relational databases that support web-based applications.

## **FACILITIES**

The Division of Science, Information Arts and Technologies maintains several PC labs supporting programming, network administration and information security.

## ADMISSION REQUIREMENTS

See [the Admission section](#) of this catalog.

## DEGREE REQUIREMENTS

In addition to fulfilling the requirements of the major, all bachelor's degree candidates are required to fulfill the collegewide degree requirements outlined under [Yale Gordon College of Arts and Sciences](#), Academic Policies and Information.

## INFORMATION LITERACY

Students in the B.S. in Applied Information Technology program will meet The University of Baltimore information literacy requirement by the successful completion of one of the following:

- COSC 324      Designing for Humans (3)
- INFO 110      Introduction to Information Literacy (3).

## GENERAL EDUCATION REQUIREMENTS (38 CREDITS)

In the face of pressing economic and social challenges, it is critical that The University of Baltimore graduates be able to communicate effectively in many different modes; gather, synthesize and critically evaluate information; make ethical and evidence-based decisions within real-world contexts; understand systems and think systemically; and negotiate divergent and competing perspectives.

See the [University-Wide Degree Requirements](#) section for details regarding General Education requirements at The University of Baltimore.

For this major, the required General Education course to satisfy the mathematics requirement is MATH 111: College Algebra.

## APPLIED INFORMATION TECHNOLOGY REQUIREMENTS (57-63 CREDITS)

### Applied Information Technology Core (30 Credits)

AITC 151	Computer Programming I (3)
AITC 210	Computer Hardware/Software Support (3)
AITC 212	Introduction to Linux (3)
AITC 251	Computer Programming II (3)
AITC 253	Client-Side Web Programming (3)
AITC 310	Computer Networks (3)
AITC 332	Computer Security (3)
AITC 356	Database Systems (3)
AITC 461	IT Project Management (3)
GAME 324	Designing for Humans (3)

### Capstone (3 credits)

AITC 490	Capstone in Information Technology (3)
----------	--

### **Math Requirements (6 credits)**

- MATH 303      Applied Probability and Statistics (3)  
MATH 321      Mathematical Structure for Information Technology (3)

Students will choose either the general track (57 credits total) or one of two concentrations (63 credits total).

### **General Track (18 credits)**

*Choose one of the following two courses:*

- AITC 351      Object-Oriented Programming (3)  
AITC 352      Advanced Scripting and Task Automation (3)

*Choose one of the following two courses:*

- AITC 312      System Administration (3)  
AITC 317      Virtualization and Cloud Computing (3)

Choose four courses (12 credits) from AITC courses at the 400-level.

### **Application Development Concentration (24 credits)**

- AITC 317      Virtualization and Cloud Computing (3)  
AITC 351      Object-Oriented Programming (3)  
AITC 451      Object-Oriented Analysis and Design (3)  
AITC 453      Server-Side Web Programming (3)  
AITC 456      Advanced Database Systems (3)  
AITC 457      Mobile Applications Programming (3)  
AITC 458      Software Security (3)  
AITC 459      Open-Source Software Development (3)

### **Cyber Security Concentration (24 Credits)**

- AITC 312      System Administration (3)  
AITC 352      Advanced Scripting and Task Automation (3)  
AITC 416      Wireless Networking: Applications and Security (3)  
AITC 431      Applied Cryptography (3)  
AITC 432      Information Assurance (3)  
AITC 433      Network Security (3)  
AITC 434      Web and Database Security (3)  
AITC 435      Digital Forensics for Information Technology (3)

### **General Electives**

Complete as many courses as necessary from any discipline to fulfill your 120-credit requirement to graduate.

## **ACCELERATED BACHELOR'S/MASTER'S OPTION**

Students who qualify may apply to take up to 9 graduate credits that apply to both this undergraduate degree and the M.S. in Interaction Design and Information Architecture. Contact the program director for information and see [Accelerated Bachelor's/Master's Option](#).

## LAW SCHOOL AUTOMATIC-ADMIT OPTION

Qualified graduates of all UBalt undergraduate programs can be automatically admitted to the UBalt School of Law following their graduation through the University's automatic-admit option. For more information, see [Law School Automatic-Admit Option](#).

\*If MHEC approval is not obtained, all new students will be admitted under the fall 2019 requirements. Visit [ubalt.edu/ait](http://ubalt.edu/ait) for more information.

## B.A. IN ARTS PRODUCTION & MANAGEMENT

[ubalt.edu/integratedarts](http://ubalt.edu/integratedarts)

Ian Power, program director

FACULTY: Delury, Leyva, Oldenburg, Simon, Watkins, Yarrison, Zeleny

ADJUNCT FACULTY: Jones, Lynne, McCallum

The B.A. in Integrated Arts program, invites students to experience arts production and performance while studying arts analysis, arts presenting and arts management. Students concentrate in one or more art forms that interests them most—whether it be visual art, music, theater, design, creative writing, filmmaking, etc. When they graduate, students are prepared to work for businesses, nonprofit organizations and government agencies that deal in, represent or interact with artists and the arts—perhaps in addition to managing their own freelance artistic career. Students also are well-prepared for graduate-level study in business and the arts.

Students take courses in arts production and performance; history, appreciation and analysis of the arts; government and business as they relate to the arts; and technology's impact on and importance to the arts. The major allows students opportunities to work with the city's theaters, museums, galleries, musical venues and arts advocacy groups, shadowing and assisting artists, attending exhibits and performances, and interning with artists or arts-related organizations. All integrated arts students are required to complete foundation courses, a senior project and an internship.

## ADMISSION REQUIREMENTS

See the [Admission](#) section of this catalog.

## DEGREE REQUIREMENTS

In addition to fulfilling the requirements of the major, all bachelor's degree candidates are required to fulfill the collegewide degree requirements outlined under [Yale Gordon College of Arts and Sciences](#), Academic Policies and Information.

## INFORMATION LITERACY

Students in the B.A. in Integrated Arts program will meet The The University of Baltimore information literacy requirement by the successful completion of:

- INFO 110 Introduction to Information Literacy (3).

Transfer students should take both ARTS 201 and WRIT 300 to satisfy the information literacy requirement.

## GENERAL EDUCATION REQUIREMENTS (38 CREDITS)

In the face of pressing economic and social challenges, it is critical that The University of Baltimore graduates be able to communicate effectively in many different modes; gather, synthesize and critically evaluate information; make ethical and evidence-based decisions within real-world contexts; understand systems and think systemically; and negotiate divergent and competing perspectives.

See the [University-Wide Degree Requirements](#) for details regarding General Education requirements at The University of Baltimore.

## ARTS PRODUCTION & MANAGEMENT PROGRAM REQUIREMENTS (39 CREDITS)

### FOUNDATION REQUIREMENTS (12 CREDITS)

- ARTS 201 The Arts in Society
- ARTS 202 Technology and the Arts
- ARTS 351 The Business of Being an Artist
- ARTS 352 Essentials of Arts Management

### PRODUCTION CLASSES (9 CREDITS)

*Choose three from the same general area of study, or speak with your adviser about alternative options:*

- ARTS 297 Topics in the Arts I
- ARTS 298 Topics in the Arts II
- ARTS 397 Topics in Integrated Arts
- ARTS 489 Independent Study in Integrated Arts
- ARTS 497 Special Topics in Integrated Arts
- CMAT 211 Computer Graphics: Publishing
- CMAT 212 Computer Graphics: Imaging
- CMAT 215 Introduction to Design
- CMAT 357 Principles of Design
- CMAT 358 Digital Design
- CMAT 359 Print Production
- CMAT 363 Creative Writing Workshop: Screenwriting
- CMAT 364 Digital Photography
- CMAT 366 Producing Sound Portraits
- CMAT 368 Photojournalism
- CMAT 369 Digital Video
- CMAT 454 Magazine Design
- CMAT 456 Motion Graphics
- CMAT 457 Advanced Print Design
- CMAT 459 Advanced Digital Design
- CMAT 469 Advanced Audio Video Production
- ENGL 215 Introduction to Creative Writing
- ENGL 296 Topics in Writing
- ENGL 323 Writing, Editing, and Publishing
- ENGL 334/CMAT 334 Oral Interpretation of Literature

- ENGL 363 Creative Writing Workshop: Screenwriting
- ENGL 381 Creative Writing Workshop: Fiction
- ENGL 382 Creative Writing Workshop: Poetry
- ENGL 387 Creative Writing Workshop: Memoir
- ENGL 401 Publication & Performance
- GAME 150 Introduction to Game Design
- GAME 160 Graphics for Game Design
- GAME 260 Introduction to 3D Graphics
- GAME 390 Game Journalism
- GAME 402 Interactive Narrative
- GAME 407 Social Media and Games

### **ANALYSIS CLASSES (6 CREDITS)**

*Choose two, or speak with your adviser about alternative options:*

- ARTS 101 Music & Arts as Craft
- ARTS 121 World Music
- ARTS 240 The Baltimore Art World
- ARTS 304 Arts and Ideas
- ARTS 297 Topics in the Arts I
- ARTS 298 Topics in the Arts II
- ARTS 397 Topics in Integrated Arts
- ARTS 489 Independent Study in Integrated Arts
- ARTS 497 Special Topics in Integrated Arts
- CMAT 130 Baltimore in the Media
- CMAT 216 History of Graphic Design
- CMAT 231 Decoding Media
- CMAT 271 Interpreting Pop Culture
- CMAT 333/ENGL 333 Media Genres
- CMAT 336 Plays in Performance
- CMAT 352 Media Literacy
- CMAT 371 Mass Media & Society
- CMAT 475 Media Criticism
- ENGL 200 The Experience of Literature
- ENGL 211 Popular Writing
- ENGL 250 Exploring Literature
- ENGL 297 Topics in English
- ENGL 311 Wells of the Past: Classical Foundations
- ENGL 313 Worlds Beyond the West
- ENGL 315 The Short Story
- ENGL 316 Modern Poetry
- ENGL 317 The Novel
- ENGL 319 Topics in International Literature
- ENGL 320 Contemporary Literature
- ENGL 331 Popular Genres
- ENGL 332 Literature & Film
- ENGL 333 Media Genres



- ENGL 336 Young Adult Literature and Culture
- ENGL 337 Great Plays
- ENGL 338 Modern Drama
- ENGL 341 American Literature to 1900
- ENGL 344 American Literature Since 1900
- ENGL 346 The American Dream
- ENGL 348 Multiethnic American Literature
- ENGL 349 American Identities: Explorations in the American Past & Present
- ENGL 351 Ancient Myth: Paradigms & Transformations
- ENGL 365 Shakespeare's Influence: Love, Myth & Metamorphosis
- ENGL 372 Topics in Women's Literature
- ENGL 374 Austen, the Brontes & Woolf: Rooms of Their Own
- ENGL 391 Topics in Language & Society
- ENGL 392 The Archaeology of Language
- ENGL 395 Understanding Narrative
- ENGL 397 Literary Theory & Interpretation
- ENGL 400 Literature in Society
- ENGL 421 The Elizabethan Renaissance: In the Green World
- ENGL 441 The Romantic Imagination
- ENGL 442 The Victorian Paradox
- ENGL 450 The Great Moderns
- ENGL 498 Seminar in English
- HIST 123 World History of Art
- HIST 306 Popular Music in US History
- HIST 390 Film and History
- GAME 480 History of Games

### **PROFESSIONAL APPLICATION CLASSES (6 CREDITS)**

*Choose two:*

- ARTS 353 Arts Event Production
- ARTS 397 Topics in Integrated Arts
- ARTS 398 Special Topics in Integrated Arts
- ARTS 489 Independent Study in Integrated Arts
- CMAT 391 Public Relations Strategies
- CMAT 392 Media Branding
- CMAT 458 Project Management
- CSCE 301 Introduction to Nonprofit Leadership
- CSCE 302 Fundamentals of Grant Writing
- CSCE 400 Nonprofit Management
- ECON 200 The Economic Way of Thinking
- ECON 308 Money and Banking
- ENGL 324 Public Relations Writing
- ENTR 300 The Entrepreneurial Experience
- ENTR 320 Opportunity Assessment and Development
- FIN 331 Financial Management
- MGMT 315 Human Resource Management

- MGMT 301 Management and Organizational Behavior
- MKTG 301 Marketing Management
- MKTG 415 Marketing Communication
- MKTG 460 Advanced Marketing Management
- *any advanced management course*
- PPIA 320 Public Administration
- PPIA 324 American Public Policy
- PPIA 463 Interest Group Politics and Lobbying
- GAME 405 The Business of Game Development

#### **CAPSTONE REQUIREMENTS (6 CREDITS)**

- ARTS 475 Internship
- ARTS 476 Senior Seminar

#### **General Electives**

IDIS 101 First-Year Seminar: Introduction to University Learning (3)  
*freshmen only; transfer students replace this with a different elective*

Complete as many courses as necessary from any discipline to fulfill your 120-credit requirement to graduate.

## **LAW SCHOOL AUTOMATIC-ADMIT OPTION**

Qualified graduates of all UBalt undergraduate programs can be automatically admitted to the UBalt School of Law following their graduation through the University's automatic-admit option. For more information, see [Law School Automatic-Admit Option](#).

## **B.A. IN DIGITAL COMMUNICATION**

Jennifer Keohane, program director

FACULTY: DeGeal, Keohane, Leyva, Meikle, Rhee, Simon, Smedley, Yarrison

ADJUNCT FACULTY: Bosk, Kopelke, Munchel, Patschke

The Digital Communication program leads to a B.A. Digital, mobile, and social media are now integral to the communication strategies of businesses, nonprofit organizations, and government agencies. Employers are looking to hire communication specialists versed in writing, media design and production, public relations, and strategy development as they relate to the technologies of the 21st century.

In this program, students learn how to write and design effectively for digital media; explore the impact of digital technologies on 21st-century communication, business, arts, and culture; examine business applications of digital media; perfect strategies for informing and persuading audiences; and think critically and creatively to solve problems and adapt to new technology environments.

The program is designed for people who are entering freshmen or transferring from community colleges and four-year schools, as well as for working professionals who want to develop their digital



communication skills further, either for continued advancement in their present careers or as preparation for a career change.

Students enter the program from a variety of backgrounds, including production areas, such as graphic design, photography and video, as well as business, English, and other humanities disciplines. Once in the program, students broaden their information and skills base.

Through a set of seven core courses that provide a broad-based, practical understanding of communication in the 21st century, students explore the history, theory and impact of communication media, especially digital and social media. They then choose a seven-course specialization.

## **FACILITIES**

Facilities include state-of-the-art Apple laboratories in the Liberal Arts and Policy Building. Students have access to digital cameras and audio recorders; industry standard software for graphic design, web design, animation, and image creation, correction and manipulation; and audio and video postproduction studios.

## **ADMISSION REQUIREMENTS**

See [the Admission section](#) of this catalog.

## **DEGREE REQUIREMENTS**

In addition to fulfilling the requirements of the major, all bachelor's degree candidates are required to fulfill the collegewide degree requirements outlined under [Yale Gordon College of Arts and Sciences, Academic Policies and Information](#).

## **INFORMATION LITERACY**

Students in the B.A. in Digital Communication program will meet The University of Baltimore information literacy requirement by the successful completion of one of the following:

- CMAT 353      Research Methods in Digital Communication
- INFO 110      Introduction to Information Literacy.

## **GENERAL EDUCATION REQUIREMENTS (38 CREDITS)**

In the face of pressing economic and social challenges, it is critical that The University of Baltimore graduates be able to communicate effectively in many different modes; gather, synthesize and critically evaluate information; make ethical and evidence-based decisions within real-world contexts; understand systems and think systemically; and negotiate divergent and competing perspectives.

See the [University-Wide Degree Requirements](#) for details regarding General Education requirements at The University of Baltimore.

# DIGITAL COMMUNICATION PROGRAM REQUIREMENTS (48 CREDITS)

## Core Courses (21 credits)

CMAT 353	Research Methods in Digital Communication (3)
CMAT 342	The Rhetoric for Digital Communication (3)
CMAT 352	Media Literacy (3)
CMAT 451	Communication Technologies (3)
CMAT 485	Seminar in Digital Communication (3)

*Choose one Advanced Writing course.*

*Additional advanced writing options for students already accepted into the M.A. in Integrated Design program:*

DESN 603	Editorial Style (3)
DESN 604	Writing for the Marketplace (3)
DESN 605	Public & Private Language (3)
DESN 611	The Craft of Popularization (3)
DESN 691	The Art of the Interview (3)
DESN 692	Writing for Digital Environments (3)

*Choose one Literature Course.*

## Upper-Division Areas of Focus (21 credits)

Choose seven courses from the following list(s). Students may take 300- to 400-level classes from one area for a more specialized degree or from many areas for a more generalized experience. Courses to be determined by the student and her/his adviser, based on entrance qualifications and career objectives.

### **Media Design and Production**

Students are highly encouraged to take a mix of first- and second-level courses. Two courses at the second level are recommended.

#### First-Level Courses

CMAT 212	Computer Graphics (Imaging) (3)
ENGL 333	Media Genres (3)
CMAT 357	Principles of Design (prereq: Computer Graphics Competency**) (3)
CMAT 358	Digital Design (prereq: Computer Graphics Competency**) (3)
CMAT 364	Digital Photography (prereq: CMAT 212 or equivalent) (3)
CMAT 366	Producing Sound Portraits (3)
CMAT 368	Photojournalism (3)
CMAT 369	Digital Video (3)
CMAT 392	Media Branding (prereq: Computer Graphics Competency**) (3)

#### Second-Level Courses

CMAT 456	Motion Graphics (prereq: CMAT 357, CMAT 358) (3)
CMAT 457	Advanced Print Design (prereq: CMAT 357) (3)
CMAT 458	Project Management (3)
CMAT 459	Print Production (prereq: CMAT 357) (3)
CMAT 459	Advanced Digital Design (prereq: CMAT 358) (3)
CMAT 374	Magazine Design (prereq: CMAT 357, CMAT 358) (3)

CMAT 469      Advanced Digital Video (prereq: CMAT 369) (3)  
GAME 402      Interactive Narrative (prereq: GAME 320) (3)  
[Advanced DESN courses by permission]

### **Digital Theory and Culture**

CMAT 231      Decoding Media (3)  
ENGL 333      Media Genres (3)  
CMAT 371      Mass Media & Society (3)  
CMAT 381      Representing Reality: News & Documentary (3)  
CMAT 392      Media Branding (prereq: CMAT 212) (3)  
CMAT 453      Media and Community (3)  
CMAT 475      Media Criticism (3)  
ENGL 325      Introduction to Journalism (3)  
ENGL 332      Literature & Film (3)  
ENGL 391      Topics in Language & Society (3)  
ENGL 392      The Archaeology of Language (3)  
ENGL 395      Narrative Discourse (3)  
PIA 362      Media and Government (3)  
[Advanced DESN courses by permission]

### **Public Relations and Social Media**

Students are highly encouraged to take a mix of first- and second-level theory/writing and production courses. At least two second-level courses are recommended.

#### First-Level Theory/Writing Courses

CMAT 201      Communicating Effectively (3)  
CMAT 303      Oral Communication in Business (3)  
CMAT 320      Argumentation & Debate (3)  
CMAT/  
ENGL          333 Media Genres (3)  
CMAT 371      Mass Media & Society (3)  
CMAT 381      Representing Reality: News and Documentary (3)  
CMAT 391      Public Relations Strategies (3)  
ENGL 324      Public Relations Writing (3)  
ENGL 325      Introduction to Journalism (3)  
ENGL 326      Writing for Digital Media (3)  
ENGL 390      Syntax, Semantics & Style (3)  
ENTR 300      The Entrepreneurial Experience (3)  
MKTG 301      Marketing Management (3)

#### First-Level Production Courses

CMAT 392      Media Branding (3) (prereq: CMAT 212 Computer Graphics: Publishing\*\*)  
CMAT 357      Principles of Design (3) (prereq: Computer Graphics Proficiency\*\*)  
CMAT 358      Digital Design (3) (prereq: Computer Graphics Proficiency\*\*)  
CMAT 364      Digital Photography (3)  
CMAT 368      Photojournalism (3)  
CMAT 369      Video Production (3)

#### Second-Level Courses

CMAT 457      Advanced Print Design (3) (prereq: CMAT 357)  
CMAT 459      Advanced Digital Design (3) (prereq: CMAT 358)  
CMAT 469      Advanced Digital Video (3) (prereq: CMAT 369)  
MKTG 405      Digital Marketing Strategy (3)  
MKTG 410      Buyer Behavior and Marketing Analysis (3)  
MKTG 415      Marketing Communication  
[Advanced PBDS courses by permission]

### **Media Writing**

CMAT 211      Computer Graphics: Publishing (3) (Highly Recommended)  
ENGL 321      Argument & Persuasion (3)  
ENGL 322      Techniques of Popularization (3)  
ENGL 323      Writing, Editing & Publishing (3)  
ENGL 324      Public Relations Writing (3)  
ENGL 325      Introduction to Journalism (3)  
ENGL 326      Writing for Digital Media (3)  
ENGL 330      Legal Writing & Rhetoric (3)  
ENGL 390      Syntax, Semantics & Style (3)  
GAME 402      Interactive Narrative (prereq: GAME320) (3)  
[Advanced DESN courses by permission]

### **Other Electives (applies to all groupings)**

CMAT 407      Internship (3)  
CMAT 489      Directed Independent Study (3)  
CMAT 490      Honors Project (3)  
CMAT 493      Honors Seminar (3)  
CMAT 497      Special Topics in Communication (3)

\*\* suggested courses for pre-majors

### **General Electives**

IDIS 101      First-Year Seminar: Introduction to University Learning (3)  
*Freshmen only; transfer students replace this with a different elective*

Complete as many courses as necessary from any discipline to fulfill your 120-credit requirement to graduate.

## **COMPUTER GRAPHICS COMPETENCY REQUIREMENT**

Students may satisfy the requirement by:

- the successful completion of CMAT 211: Computer Graphics: Publishing and CMAT 212: Computer Graphics: Imaging
- approved transfer credit
- computer graphics competency examination (make arrangements by speaking with the program director or with your adviser).

## ACCELERATED BACHELOR'S/MASTER'S OPTION

Students who qualify may apply to take up to 9 graduate credits that apply to both this undergraduate degree and the M.A. in Integrated Design or the M.S. in Interaction Design and Information Architecture. Contact the program director for information and see [Accelerated Bachelor's/Master's Option](#).

## LAW SCHOOL AUTOMATIC-ADMIT OPTION

Qualified graduates of all UBalt undergraduate programs can be automatically admitted to the UBalt School of Law following their graduation through the University's automatic-admit option. For more information, see [Law School Automatic-Admit Option](#)

## B.A. IN ENGLISH

[ubalt.edu/english](http://ubalt.edu/english)

Jane Delury, program director

FACULTY: Boyd, Delury, Leyva, Meikle, Watkins, Winik, Yarrison, Zeleny

The B.A. in English prepares students for positions in publications and communications (media production, electronic publishing, writing, editing and public relations) and provides a solid education in literary studies for those who intend to pursue careers in teaching or related graduate degrees. In addition to their core requirements, students may choose from three areas of focus: literature and culture, professional writing, and creative writing. All English courses emphasize the development of the critical thinking and communication skills that are necessary for success in the world of work and in the pursuit of advanced degrees.

Extracurricular opportunities for English majors include the literary magazine, *Welter*; internships; and the University newspaper, the *The Sting*.

## ADMISSION REQUIREMENTS

See the [Admission](#) section of this catalog.

## DEGREE REQUIREMENTS

In addition to fulfilling the requirements of the major, all bachelor's degree candidates are required to fulfill the collegewide degree requirements outlined under [Yale Gordon College of Arts and Sciences](#), Academic Policies and Information.

Transfer students may apply for up to 9 credits of 200-level courses in literature taken elsewhere to count toward the 36 credits required for the program. For students transferring with 300- and 400-level courses, at least 18 credits in the program must be taken at The University of Baltimore. Any special exceptions to these requirements must have the permission of both the division chair and the dean of the college. The literature specialization has no lower-division prerequisites.

## INFORMATION LITERACY

Students in the B.A. in English program will meet The University of Baltimore information literacy requirement by the successful completion of one of the following:

- ENGL 498 Seminar in English
- INFO 110 Introduction to Information Literacy.

## GENERAL EDUCATION REQUIREMENTS (38 CREDITS)

In the face of pressing economic and social challenges, it is critical that The University of Baltimore graduates be able to communicate effectively in many different modes, as well as gather, synthesize and critically evaluate information; make ethical and evidence-based decisions within real-world contexts; understand systems and think systemically; and negotiate divergent and competing perspectives.

See the [University-Wide Degree Requirements](#) for details regarding General Education requirements at The University of Baltimore.

## ENGLISH PROGRAM REQUIREMENTS (42 CREDITS)

### **Core Courses (27 credits)**

- ENGL 301 Introduction to English Studies (3)
- ENGL 365 Shakespeare's Influence (3)
- ENGL 390 Syntax, Semantics & Style (3)
- ENGL 395 Understanding Narrative (3)
- ENGL 498 Seminar in English (3)
- Two (2) Literature courses (see list below) (6)
- One (1) additional 300- or 400-level ENGL course (3)
- One (1) additional 300- or 400-level ENGL, CMAT or ARTS course (3)

### **Electives/Suggested Areas of Focus (15 credits)**

An additional 15 credits of electives are required and must include 12 credits of 300- or 400- level ENGL courses and no more than one ARTS or CMAT course. Electives have been arranged in suggested groupings based on optional areas of focus that students may pursue.

Suggested Groupings:

#### **Literature and Culture (15 credits)**

Four (4) additional literature courses (12) (see list below)

*One of the following courses (3):*

- ARTS 201 The Arts in Society
- ARTS 304 Arts & Ideas
- CMAT 352 Media Literacy
- CMAT 371 Mass Media & Society
- ENGL 397 Literary Theory & Interpretation

#### **Professional Writing (15 credits)**

Four (4) professional writing courses (12) (see list below)

- CMAT 211 Computer Graphics: Publishing (3)

#### **Creative Writing (15 credits)**

One (1) additional literature course (3) (see list below)



Three (3) creative writing workshop courses (9) (see list below)

ENGL 401 Publication & Performance (3)

Literature Courses:

ENGL 311 Wells of the Past: Classical Foundations (3)  
ENGL 313 Worlds Beyond the West (3)  
ENGL 315 The Short Story (3)  
ENGL 316 Modern Poetry (3)  
ENGL 317 The Novel (3)  
ENGL 319 Topics in International Literature (3)  
ENGL 320 Contemporary Literature (3)  
ENGL 331 Popular Genres (3)  
ENGL 332 Literature & Film (3)  
ENGL 333 Media Genres (3)  
ENGL 336 Young Adult Literature & Culture (3)  
ENGL 337 Great Plays (3)  
ENGL 338 Modern Drama (3)  
ENGL 341 American Literature to 1900 (3)  
ENGL 344 American Literature since 1900 (3)  
ENGL 346 The American Dream (3)  
ENGL 348 Multiethnic American Literature (3)  
ENGL 349 American Identities: Explorations in the Past & Present (3)  
ENGL 350 Topics in African American Literature (3)  
ENGL 351 Ancient Myth: Paradigms & Transformations (3)  
ENGL 356 Literature & Law (3)  
ENGL 360 Major Authors (if appropriate topic, approved by semester) (3)  
ENGL 365 Shakespeare's Influence (3)  
ENGL 372 Topics in Women's Literature (3)  
ENGL 374 Austen, the Brontes & Woolf: Rooms of Their Own (3)  
ENGL 395 Understanding Narrative (3)  
ENGL 397 Literary Theory & Interpretation (3)  
ENGL 400 Literature in Society (3)  
ENGL 421 Elizabethan Renaissance: In the Green World (3)  
ENGL 441 The Romantic Imagination (3)  
ENGL 442 The Victorian Paradox (3)  
ENGL 450 The Great Moderns (3)  
ENGL 497 Topics in Literature (if appropriate topic, approved by semester) (3)

Workshop Courses:

ENGL 363 Creative Writing Workshop: Screenwriting (3)  
ENGL 382 Creative Writing Workshop: Poetry (3)  
ENGL 383 Creative Writing Workshop: Fiction (3)  
ENGL 385 Creative Writing Workshop: Playwriting (3)  
ENGL 386 Creative Writing Workshop: Journalism (3)  
ENGL 387 Creative Writing Workshop: Memoir (3)  
ENGL 388 Creative Writing Workshop: Special Topics (3)  
ENGL 401 Publication and Performance (3)

Professional Writing Courses:

CMAT 211	Computer Graphics: Publishing (3)
CMAT 374	Magazine Design (3)
ENGL 321	Argument & Persuasion (3)
ENGL 323	Writing, Editing & Publishing (3)
ENGL 386	Creative Writing Workshop: Creative Journalism (3)
ENGL 322	Techniques of Popularization (3)
ENGL 324	Public Relations Writing (3)
ENGL 325	Introduction to Journalism (3)
ENGL 326	Writing for Digital Media (3)
ENGL 390	Syntax, Semantics & Style (3)
ENGL 391	Topics in Language & Society
ENGL 392	Archaeology of Language (3)
ENGL 402	Copy Editing & Document Design (3)
ENGL 407	Internship in Professional Writing (1-3)
ENGL 408	Internship in University Publication (1-3)

#### Other Courses:

In addition to the one CMAT or ARTS course allowed in the core, students may count one of the non-ENGL courses listed below toward the English major.

ARTS 304	Arts & Ideas (3)
CMAT 211	Computer Graphics: Publishing (3)
CMAT 352	Media Literacy (3)
CMAT 371	Mass Media & Society (3)

The following courses may be counted toward the English major with the approval of the program director.

ENGL 489	Directed Independent Study (1-3)
ENGL 490	Honors Thesis (3)
ENGL 493	Honors Seminar (3)
ENGL 494	Thesis in Literature (3-6)

#### **General Electives**

IDIS 101 First-Year Seminar: Introduction to University Learning (3)  
*freshmen only; transfer students replace this with a different elective*

Complete as many courses as necessary from any discipline to fulfill your 120-credit requirement to graduate, including this recommended elective:

- ENGL 200 The Experience of Literature or another 200-level literature course (3).

## **ACCELERATED BACHELOR'S/MASTER'S OPTION**

Students who qualify may apply to take up to 9 graduate credits that apply to both this undergraduate degree and the M.A. in Integrated Design or the M.F.A. in Creative Writing & Publishing Arts. Contact the program director for information and see [Accelerated Bachelor's/Master's Option](#).

## LAW SCHOOL AUTOMATIC-ADMIT OPTION

Qualified graduates of all UBalt undergraduate programs can be automatically admitted to the UBalt School of Law following their graduation through the University's automatic-admit option. For more information, see [Law School Automatic-Admit Option](#).

## B.A. IN ENVIRONMENTAL SUSTAINABILITY

[ubalt.edu/environmental](http://ubalt.edu/environmental)

Wolf Pecher, program director

FACULTY: Pecher, Kemp, Castanzo, Kassner, Kohl

Students in the Environmental Sustainability program study—often through hands-on learning—the interrelationships of people and their environment from scientific, social, ethical and public policy perspectives.

From a science perspective, they gain a solid understanding of environmental science terminology, concepts and techniques. They explore the diversity of life and ecosystems of the world, and they participate in hands-on study of local ecosystems, such as the Chesapeake Bay and its watershed.

Students also study the effects of urban center growth on ecosystem services humans require and focus on the concept of sustainable development. In recognition of the key role technology plays in environmental sustainability, students also have the opportunity to participate in interdisciplinary courses offered in collaboration with the college's Applied Information Technology program.

Adding social sciences to the mix, students gain a cross-cultural perspective on how human populations adapt technologically, socially and psychologically to their environments, and how people alter the living and nonliving worlds around them. Cultural heritage preservation is a significant component of the program.

Combining this with policy studies, students learn how environmental public policy is formulated, how it affects the health of the environment and how it is shaped by ecological considerations. They also examine the ethical and legal implications of the use, treatment and potential destruction of the natural environment.

The Major Electives category of course requirements allows the student to customize their curriculum according to their own interests. Approved courses in this category include ones in business/entrepreneurial, public policy, law and ethics, and other course offerings in a variety of fields. The student can specialize in one of these fields or take courses across all fields, their choice.

When they graduate, students are prepared to deal with the real problems facing Baltimore or communities worldwide. They go on to work in fields as varied as environmental compliance, permitting, environmental hygiene, environmental interpretation, education, environmental consulting, and natural resource preservation and protection for government and nonprofit sectors.

## FACILITIES

On the fourth floor of the Academic Center, a general science laboratory with 24 workstations provides a hands-on environment for students to put their knowledge into practice. On the second floor of the same

building, the environmental science research and teaching laboratory contains equipment and materials that allow environmental science faculty members and students to investigate local ecosystems at molecular, microscopic and organismal levels.

## ADMISSION REQUIREMENTS

See the [Admission](#) section of this catalog.

## DEGREE REQUIREMENTS

In addition to fulfilling the requirements of the major, all bachelor's degree candidates are required to fulfill the collegewide degree requirements outlined under [Yale Gordon College of Arts and Sciences](#), Academic Policies and Information.

## GRADUATION REQUIREMENTS

Students in the B.A. in Environmental Sustainability program will meet The University of Baltimore [standard graduation requirements](#) by the successful completion of the following courses in the program:

- Global awareness and diverse perspectives (GD): ANTH 110: Cultural Anthropology
- Information Literacy (IL): ENVS 221: Science of the Environment
- Technological Fluency (TF): ENVS 300: Greater Baltimore Urban Ecosystems: Field Investigations.

## GENERAL EDUCATION REQUIREMENTS (38 CREDITS)

In the face of pressing economic and social challenges, it is critical that The University of Baltimore graduates be able to communicate effectively in many different modes; gather, synthesize and critically evaluate information; make ethical and evidence-based decisions within real-world contexts; understand systems and think systemically; and negotiate divergent and competing perspectives.

See the [University-Wide Degree Requirements](#) for details regarding General Education requirements at The University of Baltimore.

## ENVIRONMENTAL SUSTAINABILITY PROGRAM REQUIREMENTS (52 CREDITS)

Note that 17 credits of the core Environmental Sustainability program requirements can be satisfied by General Education requirements.

### **Core Courses (43 credits)**

#### **Biological Science course (4 credits)**

BIOL 121      Fundamentals of Biology (4)\*

#### **Environmental Science (24 credits)**

ENVS 201      Environmental Sustainability (3)\*

ENVS 221      Science of the Environment (4)\*

ENVS 285	Environmental Chemistry (4)
ENVS 300	Greater Baltimore Urban Ecosystems: Field Investigations (4)
ENVS 375	Molecular Genetics and Biotechnology in Society (4)
ENVS 420	Research Seminar in Environmental Science (2)
ENVS 490	Special Projects in Environmental Sciences (3)

**Social Science, Ethics, and Public Policy courses (15 credits)**

ANTH 222	Human Environmental Adaptations (3)
PHIL 280	Environmental Ethics (3)*
PPIA 480	Environmental Politics and Policy (3)
PSYC 100	Introduction to Psychology (3)*
PSYC 375	Environmental Psychology (3)

**Humanities (3 credits)**

PHIL 280	Environmental Ethics (3)*
----------	---------------------------

**Policy, Politics and International Affairs (6 credits)**

PPIA 315	Public Policy Analysis (3)
PPIA 480	Environmental Politics and Policy (3)

*\*Indicates that course satisfies a General Education requirement.*

**MAJOR ELECTIVES (9 credits)**

Choose three (3) courses (2 must be from 300+ level courses) Note: Students are not required to take all major electives in a single group; these are *optional* areas of focus:

Note: any course on this list may be taken as a general elective as well

**Government, Policy, and International Affairs**

PPIA 210	Introduction to International Affairs (3) *
PPIA 315	Public Policy Analysis (3)
PPIA 322	Bureaucracy and Public Policy (3)
PPIA 324	American Public Policy (3)
PPIA 348	Legislative Process (3)
PPIA 425	Administrative Law and Processes (3)
PPIA 481	Globalization (3)

**Law and philosophy**

HIST 340	American Legal History (3)
JPLA 200	Introduction to Jurisprudence (3)
LEST 401	Legal Foundations (3)
LEST 402	Legal Research and Analysis (3)
PHIL 250	Social and Political Philosophy (3)
PHIL 490	Theories of Justice (3)
PHIL 496	International Law and Morality (3)
PHIL 497	Special Topics in Philosophy (3)

**Business and economics**

ECON 409	International Economics (3)
----------	-----------------------------



ENTR 101	Imagination, Creativity and Entrepreneurship (3) *
ENTR 300	The Entrepreneurial Experience (3)
MGMT 101	Business in a Changing World (3) *
MKTG 301	Marketing Management (3)

#### **Additional courses**

ANTH 110	Cultural Anthropology * (3)
ANTH 410	Cultural Resource Management (3)
ENVS 175	Ecology (3) *
ENVS 310	Special Topics in Environmental Science (3)
ENVS 485	Internship in Environmental Sustainability (3)
PHSC 101	Earth in Focus (3) *
SOCI 303	Urban Sociology (3)

*\*Indicates that course satisfies a General Education requirement.*

#### **General Electives**

IDIS 101	First-Year Seminar: Introduction to University Learning (3)
----------	---

*Freshmen only; transfer students replace this with a different elective*

Complete as many courses as necessary from any discipline to fulfill your 120-credit requirement to graduate.

## **LAW SCHOOL AUTOMATIC-ADMIT OPTION**

Qualified graduates of all UBalt undergraduate programs can be automatically admitted to the UBalt School of Law following their graduation through the University's automatic-admit option. For more information, see [Law School Automatic-Admit Option](#).

## **B.A. IN HISTORY**

[ubalt.edu/history](http://ubalt.edu/history)

Joshua Clark Davis, program director FACULTY: Davis, Hudgins, Yi  
ADJUNCT FACULTY: Freeman, Hollimon, Trumbour

The B.A. in History program provides students with a broad background in the past in order to understand the problems of today. Courses provide extensive coverage of United States, African American, Asian and European history, plus thematic studies of the history of law and business. Students in the history program sharpen their analytical, writing, and communication skills necessary for advanced training and career development.

As such, the History major offers excellent preparation for students who go on to careers in law, teaching, government, business, education, nonprofit work and other professions. Many students go on to pursue graduate work in law, the humanities, education, and other professional fields. In addition, students may choose to pursue a B.A. in history with a specialization in public history, which is the professional application of historical methods, skills, research and presentation in settings outside the classroom, such as museums, archives, and historical societies.

History is an officially designated prelaw major at The University of Baltimore. Our program offers eight different courses focusing on law and history. We also offer a Law School Early Entry option, which allows students to attend law school in their final undergraduate year and pay a reduced tuition rate for that year. History also offers a track in the Helen P. Denit Honors program for students who earn the minimum GPA to qualify for Honors.

## ADMISSION REQUIREMENTS

See the [Admission](#) section of this catalog.

## DEGREE REQUIREMENTS

In addition to fulfilling the requirements of the major, all bachelor's degree candidates are required to fulfill the collegewide degree requirements outlined under [Yale Gordon College of Arts and Sciences](#), Academic Policies and Information.

A maximum of 6 transfer credits in history, taken at the 200 level or above, can be applied to the history major with the approval of the program director. In addition, major requirements must be completed with a grade of C or better for students to qualify for graduation.

History has no lower-division prerequisites.

## INFORMATION LITERACY

Students in the B.A. in History program will meet The University of Baltimore information literacy requirement by the successful completion of one of the following:

- HIST 295      The Historian's Toolkit (3)
- INFO 110      Introduction to Information Literacy (3)

## GENERAL EDUCATION REQUIREMENTS (38 CREDITS)

In the face of pressing economic and social challenges, it is critical that The University of Baltimore graduates be able to communicate effectively in many different modes; gather, synthesize and critically evaluate information; make ethical and evidence-based decisions within real-world contexts; understand systems and think systemically; and negotiate divergent and competing perspectives.

See the [University-Wide Degree Requirements](#) for details regarding General Education requirements at The University of Baltimore.

## HISTORY PROGRAM REQUIREMENTS (36 CREDITS)

These requirements must be completed with a grade of C or better for students to qualify for graduation.

### Core Courses (6 credits)

- HIST 295      The Historian's Toolkit (3)  
HIST 495      Senior Seminar in History (3)

**Major Requirements (30 credits)**

*Complete any three (3) 100- or 200-level HIST courses (9 credits)*

*Three of the following Topics in the American History courses (9 credits):*

**Topics in American History Courses**

HIST 306	Popular Music in U.S. History (3)
HIST 308	History of American Business (3)
HIST 321	America since 1940 (3)
HIST 325	Prisons and Police in U.S. History (3)
HIST 330	Immigration and Law in U.S. History (3)
HIST 340	American Legal History (3)
HIST 345	Politics in U.S. History (3)
HIST 350	History of U.S. Foreign Relations (3)
HIST 364	Civil Rights in U.S. History
HIST 375	The Civil War and Reconstruction (3)
HIST 380	The Chesapeake World (3)
HIST 381	American Cities (3)
HIST 382	History of Baltimore (3)
HIST 385	U.S. Women's History (3)
HIST 396	Introduction to Public History
HIST 434	American Constitutional History (3)
HIST 496	Seminar in Public History (3)

*Three of the following Topics in the History of the Wider World courses (9 credits):*

**Topics in the History of the Wider World Courses**

HIST 310	Ancient Civilizations (3)
HIST 312	Age of Revolution (3)
HIST 313	Europe, 1815-1914 (3)
HIST 314	War in Europe, 1914-45 (3)
HIST 315	Europe Since 1945 (3)
HIST 316	Black Europe (3)
HIST 324	Modern China (3)
HIST 326	Modern Japan (3)
HIST 328	Modern Korea (3)
HIST 354	History of Germany (3)
HIST 360	Darwin, Marx, Nietzsche, and Freud (3)
HIST 440	History of Common Law (3)
HIST 466	History of Africa (3)

*One from either the Topics in the American History courses or Topics in the History of Wider World courses (3 credits)*

*The following courses, depending on the instructor's preference, may be taught either as the Topics in American History or the Topics in the History of the Wider World courses and may be applied to those requirements as appropriate:*

HIST 344	World War II (3)
HIST 390	Film and History (3)
HIST 391	History of Fashion (3)
HIST 438	Great Trials in History (3)





HIST 445	Topics in the History of Religion (3)
HIST 460	The Cold War, 1945-90 (3)
HIST 477	Technology and History (3)
HIST 490	Internship (1-3)
HIST 492	Independent Study (1-3)
HIST 497	Special Topics in History (3)

## ACCELERATED BACHELOR'S/MASTER'S OPTION

Students who qualify may apply to take up to 9 graduate credits that apply to both this undergraduate degree and the M.A. in legal studies. Contact the program director for information and see [Accelerated Bachelor's/Master's Option](#).

## LAW SCHOOL AUTOMATIC-ADMIT OPTION

Qualified graduates of all UBalt undergraduate programs can be automatically admitted to the UBalt School of Law following their graduation through the University's automatic-admit option. For more information, see [Law School Automatic-Admit Option](#).

## LAW SCHOOL EARLY-ENTRY OPTION

Students who qualify complete 93 hours of undergraduate credits and an additional 27 hours of law school credits to attain the 120 credits required for the bachelor's degree. See [Law School Early-Entry Option](#) for information about the qualifications and requirements that govern this option.

## DEGREE REQUIREMENTS

In addition to fulfilling the requirements of the major, all bachelor's degree candidates are required to fulfill the collegewide degree requirements outlined under [Yale Gordon College of Arts and Sciences, Academic Policies and Information](#).

## INFORMATION LITERACY

Students in the B.A. in History program will meet The University of Baltimore information literacy requirement by the successful completion of one of the following:

- HIST 295 The Historian's Toolkit (3)
- INFO 110 Introduction to Information Literacy (3).

## GENERAL EDUCATION REQUIREMENTS (43 CREDITS)

In the face of pressing economic and social challenges, it is critical that The University of Baltimore graduates be able to communicate effectively in many different modes; gather, synthesize and critically evaluate information; make ethical and evidence-based decisions within real-world contexts; understand systems and think systemically; and negotiate divergent and competing perspectives.

See the [University-Wide Degree Requirements](#) for details regarding General Education requirements at The University of Baltimore.

## **HISTORY LAW SCHOOL EARLY-ENTRY OPTION REQUIREMENTS (24 CREDITS)**

### **Core Courses (9 credits)**

HIST 295	The Historian's Toolkit (3)
HIST 495	Senior Seminar in History (3)

*And one of the following legal history courses:*

HIST 325	Prisons and Police in U.S. History (3)
HIST 330	Immigration and Law in U.S. History (3)
HIST 340	American Legal History (3)
HIST 364	Civil Rights in U.S. History (3)
HIST 434	American Constitutional History (3)
HIST 438	Great Trials in History (3)
HIST 440	History of Common Law (3)
HIST 497	Special Topics in History (only if legal topic is covered here) (3)

### **Major Electives (15 credits)**

*Any five HIST courses of 300-level or higher with advisement from the program director*

Complete as many courses as necessary from any discipline to fulfill your 93-credit requirement to complete the Law School Early-Entry Option.

## **OPTIONAL SPECIALIZATION IN PUBLIC HISTORY (optional 15 credits)**

Students majoring in history may choose to complete this specialization in public history, which is the professional application of historical methods, skills, research and presentation in settings outside the classroom. Public historians work in museums, archives, government, historical societies, living history sites, preservation groups, businesses and nonprofit organizations of all kinds, either independently or in partnership with academic institutions.

Students can fulfill this specialization through Topics in American History core courses, major electives and/or general electives; this does not require completion of additional credits beyond those of the history program.

### **Foundation Requirement (3 credits)**

*One of the following:*

HIST 380	The Chesapeake World (3)
HIST 382	History of Baltimore (3)

### **Public History Core Requirements (6 credits)**

HIST 396	Introduction to Public History (3)
HIST 490	Internship (3)

### **Specialized Electives (6 credits)**

*Two courses from the following with advisement from the program director:*

HIST 250	Digital History (3)
HIST 496	Seminar in Public History (highly recommended) (3)
CMAT 369	Digital Video (3)
CMAT 381	Representing Reality: News & Documentary (3)
CMAT 455	Hypermedia (3)
PPIA 300	American Political Institutions (3)
PPIA 322	Bureaucracy and Public Policy (3)
PPIA 326	Urban Politics and Public Policy (3)
PPIA 348	State and Local Government (3)
PPIA 461	Maryland Government Processes and Politics (3)
MGMT 301	Management and Organizational Behavior (3)
MGMT 315	Human Resource Management (3)
MKTG 301	Marketing Management (3)
PSYC 355	Interviewing Psychology (3)
SOCI 302	The American Family in Perspective (3)
SOCI 303	Urban Sociology (3)
WRIT 330	Writing, Editing & Publishing (3)

### **General Electives**

IDIS 101 First-Year Seminar: Introduction to University Learning (3)

*Freshmen only; transfer students replace this with a different elective*

Complete as many courses as necessary from any discipline to fulfill your 120-credit requirement to graduate.

## **LAW SCHOOL AUTOMATIC-ADMIT OPTION**

Qualified graduates of all UBalt undergraduate programs can be automatically admitted to the UBalt School of Law following their graduation through the University's automatic-admit option. For more information, see [Law School Automatic-Admit Option](#).

## **B.A. IN INTERDISCIPLINARY STUDIES**

[ubalt.edu/interdisciplinary](http://ubalt.edu/interdisciplinary)

**Pending MHEC approval, this program will also be offered at the Universities at Shady Grove for students who can transfer in with at least 56 credits.**

Nicole Hudgins, program director

The B.A. in Interdisciplinary Studies program, the University's integrative DIY major, allows students to create a course of study anchored by three areas of individualized study, including wide-ranging and inventive combinations of academic disciplines. The program is designed for students whose intellectual interests and professional goals are best served by extended study in more than one discipline. Equally, for students returning to university with a collection of credits, the program offers an opportunity to complete their education and prepare for what's next in life.

Students construct a cohesive program around themes, topics or areas of concentration not confined to a single discipline, thereby allowing flexibility not found in a standard program. Transfer students who seek to major in interdisciplinary studies work closely with the academic adviser to align their transfer credits

with applicable prerequisites and coursework in their selected areas of concentration. Students transferring with an A.A. should meet with their academic adviser to see how their transfer credits will apply to the Interdisciplinary Studies program requirements.

Students who graduate from this track attain special recognition at the commencement exercises for having completed honors-level work. Students should consult with the interdisciplinary studies and honors program directors for additional information.

**Important note:** Students should not confuse the Interdisciplinary Studies program with various University course requirements that use the IDIS course code, such as IDIS 101, 301 and 302. The interdisciplinary studies major, in contrast, requires IDIS 305: Introduction to Interdisciplinary Studies and IDIS 497: Interdisciplinary Studies Portfolio, then draws on courses across the curriculum. Thus, the IDIS subject code includes interdisciplinary courses that are not specific to the major, some of which serve to meet graduation and General Education requirements.

## ADMISSION REQUIREMENTS

See the [Admission](#) section of this catalog.

## DEGREE REQUIREMENTS

In addition to fulfilling the requirements of the major, all bachelor's degree candidates are required to fulfill the collegewide degree requirements outlined under [Yale Gordon College of Arts and Sciences](#), Academic Policies and Information.

## INFORMATION LITERACY

Students in the B.A. in Interdisciplinary Studies program will meet The University of Baltimore information literacy requirement by the successful completion of:

- INFO 110 Introduction to Information Literacy (3).

## GENERAL EDUCATION REQUIREMENTS (38 CREDITS)

In the face of pressing economic and social challenges, it is critical that The University of Baltimore graduates be able to communicate effectively in many different modes; gather, synthesize and critically evaluate information; make ethical and evidence-based decisions within real-world contexts; understand systems and think systemically; and negotiate divergent and competing perspectives.

See the [University-Wide Degree Requirements](#) for details regarding General Education requirements at The University of Baltimore.

## PROGRAM PLAN REQUIREMENT

A degree candidate develops a program plan through coursework requirements for IDIS 305: Introduction to Interdisciplinary Studies. This plan becomes the foundation for creating a unified and cohesive course of study throughout the interdisciplinary studies major. This program plan then becomes the platform for

developing a final capstone learning portfolio as part of the coursework for IDIS 497: Interdisciplinary Studies Portfolio.

## **INTERDISCIPLINARY STUDIES REQUIREMENTS (42 CREDITS)**

IDIS 305 Introduction to Interdisciplinary Studies (3)

### **Capstone Portfolio (3 credits)**

IDIS 497 Interdisciplinary Studies Portfolio (3)

Students in this capstone course practice articulating their individualized major to prospective employers, graduate schools and others by developing resumes, cover letters and a polished portfolio that represents their work as interdisciplinary majors.

### **Concentration Areas (36 credits)**

First concentration area (12 credits minimum/300-level or above)

Second concentration area (12 credits minimum/300-level or above)

Third concentration area (12 credits minimum/300-level or above)

Areas of individualized study may be drawn from any major or minor offered at The University of Baltimore and from disciplines not offered at The University of Baltimore with the approval of the program director. At least one of the three areas of concentration must be an arts and sciences discipline.

### **General Electives**

Students who plan to major in interdisciplinary studies are strongly advised to use these elective credits to fulfill all introductory and pre-major requirements in the disciplines that they intend to use as areas of individualized study in their planned interdisciplinary studies program. Interdisciplinary studies students must fulfill all prerequisites that apply to courses selected for use in concentration areas (see above). Complete as many courses as necessary from any discipline to fulfill your 120-credit requirement to graduate.

## **LAW SCHOOL AUTOMATIC-ADMIT OPTION**

Qualified graduates of all UBalt undergraduate programs can be automatically admitted to the UBalt School of Law following their graduation through the University's automatic-admit option. For more information, see [Law School Automatic-Admit Option](#).

## **B.A. IN LEGAL STUDIES**

[ubalt.edu/legalstudiesBA](http://ubalt.edu/legalstudiesBA)

Michele Cotton, program director

FACULTY: Cotton, Davis, Hollimon

The **B.A. in Legal Studies** program provides coursework that builds students' legal skills and knowledge. Students will take legal studies courses as well as relevant courses from criminal justice, history, and policy, politics and international affairs. This 33-credit program offers a highly flexible and transfer-friendly curriculum that can be adapted to students' individual interests.

## ADMISSION REQUIREMENTS

See the [Admission](#) section of this catalog.

## DEGREE REQUIREMENTS

In addition to fulfilling the requirements of the major, all bachelor's degree candidates are required to fulfill the collegewide degree requirements outlined under [Yale Gordon College of Arts and Sciences](#), Academic Policies and Information.

## GENERAL EDUCATION REQUIREMENTS (38 CREDITS)

In the face of pressing economic and social challenges, it is critical that The University of Baltimore graduates be able to communicate effectively in many different modes; gather, synthesize and critically evaluate information; make ethical and evidence-based decisions within real-world contexts; understand systems and think systemically; and negotiate divergent and competing perspectives.

See the [University-Wide Degree Requirements](#) for details regarding General Education requirements at The University of Baltimore.

## LEGAL STUDIES PROGRAM REQUIREMENTS (33 CREDITS)

### **Major Requirements (18 credits)**

HIST 340	American Legal History (3) or HIST 325 Prisons and Police in U.S. History (3)
LEST 401	Legal Foundations (3)
LEST 402	Legal Research and Analysis (3)
LEST 403	The Trial Process (3)
LEST 496	Internship (3)
LEST 498	Capstone Project (3)

### **Elective Courses (15 credits)**

*Three courses from the following:*

CMAT 320	Argumentation, Debate & Society (3)
----------	-------------------------------------

HIST 330	Immigration and Law in U.S. History (3)
HIST 364	Civil Rights in U.S. History (3)
HIST 434	Constitutional History (3)
HIST 438	Great Trials in History (3)
HIST 440	History of Common Law (3)
LEST 400	Topics in Legal Studies (3)
PHIL 250	Social and Political Philosophy (3)

*Two courses from the following:*

CRJU 200	Criminal Justice (3)
CRJU 330	Criminal Law (3)
PPIA 300	American Political Institutions (3)

PPIA 315	Public Policy Analysis (3)
PPIA 345	The Legislative Process (3)
PPIA 348	State and Local Government (3)
PPIA 425	Administrative Law and Processes
PPIA 461	Maryland Government Processes and Politics (3)

**Note:** Students can request to take a second LEST 400 Topics in Legal Studies or second LEST 496 Internship course in the place of any of the above electives.

Complete as many courses as necessary from any discipline to fulfill your 120-credit requirement to graduate.

## ACCELERATED BACHELOR'S/MASTER'S OPTION

Students who qualify may apply to take up to 9 graduate credits that apply to both this undergraduate degree and the M.A. in legal studies. Contact the program director for information and see [Accelerated Bachelor's/Master's Option](#).

## LAW SCHOOL AUTOMATIC-ADMIT OPTION

Qualified graduates of all UBalt undergraduate programs can be automatically admitted to the UBalt School of Law following their graduation through the University's automatic-admit option. For more information, see [Law School Automatic-Admit Option](#).

## LAW SCHOOL EARLY-ENTRY OPTION

Students who qualify complete 93 hours of undergraduate credits and an additional 27 hours of law school credits to attain the 120 credits required for the bachelor's degree. See [Law School Early-Entry Option](#) for information about the qualifications and requirements that govern this option. Please meet with the jurisprudence program academic coordinator for the major requirements through the early-entry option.

## B.A. IN PHILOSOPHY, LAW AND ETHICS

[ubalt.edu/philosophy](http://ubalt.edu/philosophy)

Josh Kassner, program director

FACULTY: Guy, Scalet

The philosophy, law, and ethics (PLE) major is a selective interdisciplinary major with a core of philosophy courses designed to prepare students for law school, graduate school, civic engagement and a range of leadership positions in the public and private sectors. Students will find a highly flexible and transfer-friendly curriculum that can be adapted to the interests of each student. The program includes government and history courses, and an area of concentration outside of philosophy. The flexibility of the major is particularly helpful for students interested in the early-entry law school program. The major also includes a distinctive honors track in coordination with the Helen P. Denit Honors Program. See below for more information on each of these opportunities.

PLE joins leading trends in higher education, with similar programs across the United States and abroad, whether as philosophy, politics and economics; philosophy, politics and law; or UBalt's own distinctive PLE

program. Classes are academically challenging, diverse and enriching. Taught by highly qualified UBalt faculty members, core classes pose fundamental questions about the nature of ethics, law, politics and justice, and integrate learning across the disciplines.

Through rigorous philosophy coursework, students strengthen essential leadership skills, including critical and analytical thinking, effective writing, problem-solving, decision-making and oral communication. There is ample opportunity for interaction with professors outside the classroom and personalized academic advising. The program provides options for community college transfers, high school graduates and those returning to school after years in the work force.

PLE majors study great works of philosophy and social science, and debate and write about important local, national and global controversies. Students report time and again that they love the dynamic classroom interactions. Classes are also supported by co-curricular activities sponsored by the Hoffberger Center for Professional Ethics. The major requirements are designed to broaden a student's exposure to and engagement with ideas, policy debates, and important topics in public, personal and professional life. In consultation with a faculty adviser, students majoring in PLE choose one of five concentrations: student-designed; philosophy and public affairs; philosophy, economics and business; philosophy, sustainability and the environment; or applied ethics and professional life (see below).

## **ADMISSION REQUIREMENTS**

PLE is a selective major that grants admission to all qualified applicants. Applicants must meet the University's general admission requirements and the program-specific admission requirement of a cross-institutional cumulative GPA of 3.0 or better. This requirement applies to students admitted under first-year standards and transfer students.

Applicants who do not meet this criterion for admission to PLE program but meet requirements for undergraduate admission or for choosing an academic major may select another major. If, after the time of first admission to UBalt, students earn a 3.0 GPA at UBalt, they may petition for a change of major to the B.A. in PLE. See the [Academic Policies](#) section of this catalog.

Transfer students are not required to have majored in any particular field of study or have taken any particular courses prior to admission to the program.

Applicants who are interested in the 93-credit Law School Early-Entry Option are advised to read UBalt School of Law requirements for this option (see [www.ubalt.edu/prelaw](http://www.ubalt.edu/prelaw)) and seek advising regarding their current standing and progress toward meeting these requirements.

All students are required to meet with a PLE academic adviser as part of the process of declaring the major.

## **DEGREE REQUIREMENTS**

In addition to fulfilling the requirements of the major, all bachelor's degree candidates are required to fulfill the collegewide degree requirements outlined under [Yale Gordon College of Arts and Sciences, Academic Policies and Information](#).



## INFORMATION LITERACY

Students can meet The University of Baltimore information literacy requirement by successful completion of any of the following:

- IDIS 110 Introduction to Information Literacy (3)
- PHIL 100 Introduction to Philosophy (3)
- PHIL 140 Contemporary Moral Issues (3).

## GENERAL EDUCATION REQUIREMENTS (38 CREDITS)

In the face of pressing economic and social challenges, it is critical that The University of Baltimore graduates be able to communicate effectively in many different modes; gather, synthesize and critically evaluate information; make ethical and evidence-based decisions within real-world contexts; understand systems and think systemically; and negotiate divergent and competing perspectives. For these reasons, The University of Baltimore's General Education requirements are designed to provide each graduate with a liberal arts education to enable UBalt graduates to flourish in a changing world.

See the [University-Wide Degree Requirements](#) for details regarding General Education requirements at The University of Baltimore.

## PHILOSOPHY, LAW, AND ETHICS PROGRAM REQUIREMENTS (48 CREDITS)

### Overall Structure of Major

The curriculum emphasizes interdisciplinary training throughout. All PLE students take two courses each in philosophy, history and government. Students next select an area of concentration that includes additional philosophy classes and a focused subfield outside of philosophy. The major culminates with a PLE capstone project. Students can draw from any major, minor or other coursework at UBalt for their academic subfield, either through the student-designed concentration or one of four other PLE concentrations, as listed below. Students meet directly with a faculty adviser to select the choice of concentration and discuss academic plans.

### Core Requirements (21 credits)

The following credits are required:

*\*One 100-level philosophy course. Choose one:*

- PHIL 100 Introduction to Philosophy (3)
- PHIL 140 Contemporary Moral Issues (3)
- PHIL 150 Critical Thinking and Arguments (3)

*One history of philosophy course. Choose one:*

- PHIL 317 Ancient Philosophy (3)
- PHIL 319 Modern Philosophy (3)
- PHIL 320 20th-Century Philosophy (3)
- PHIL 321 Philosophers That Changed the World (3)

*Any two upper-division history courses (300- or 400-level)*

*Any two upper-division government and public policy courses (300- or 400-level)*

*One capstone course:*

PHIL 499      Capstone in Philosophy, Law and Ethics (3)

In addition, students select one of the following concentrations listed below. Please contact the PLE program academic adviser for the most recent list of courses that satisfy each category, as course options and availability change across years. Courses may also be substituted with the permission of the program director. The PLE major also includes an experiential learning requirement across all concentrations that can be satisfied in one of many ways. See the program director for details.

### **Student-Designed Concentration (27 credits)**

The student-designed track allows students to integrate their core study of philosophy with a subfield drawn from any major, minor or other coursework at The University of Baltimore, under the direction of a faculty adviser. This concentration offers the most flexible curriculum. In addition, this concentration is designed for students who enroll in the PLE early-entry law program, as it offers the most seamless transition to law school.

### **Required Courses (27 credits)**

Five 200- to 400-level philosophy courses, at least one of which must be 400-level (15)

Four electives from a chosen subfield, drawing on any major, minor or other coursework at UBalt other than philosophy; student identifies a course of interdisciplinary study approved by a PLE academic adviser (12)

### **Philosophy and Public Policy Concentration (27 credits)**

#### **Philosophy Courses (9 credits)**

*Three of the following:*

PHIL 250      Social and Political Philosophy (3)  
PHIL 280      Environmental Ethics (3)  
PHIL 302      Philosophy of Community (3)  
PHIL 470      Philosophy and American Society (3)  
PHIL 480      Philosophy, Law and Current Events (3)  
PHIL 490      Theories of Justice (3)  
PHIL 496      International Law and Morality (3)

#### **Required Courses (18 credits)**

Two additional 200- to 400-level philosophy courses, at least one of which must be 400-level (6)

Four elective courses in public affairs; must be approved by a PLE academic adviser (12)

### **Philosophy, Economics and Business Concentration (27 credits)**

#### **Philosophy Courses Related to Economics and Business (6 credits)**

*Two of the following:*

PHIL 250      Social and Political Philosophy (3)  
PHIL 280      Environmental Ethics (3)  
PHIL 460      Moral Leadership and the Pursuit of Excellence (3)  
PHIL 490      Theories of Justice (3)

#### **Required Courses (21 credits)**

Three additional 200- to 400-level philosophy courses, at least one of which must be 400-level (9)

Four elective courses in business or economics; must be approved by a PLE academic adviser (12)

### **Philosophy, Sustainability and the Environment Concentration (27 credits)**

#### **Philosophy Courses Related to Sustainability and the Environment (9 credits)**

*Three of the following:*

- PHIL 250 Social and Political Philosophy (3)
- PHIL 309 Eastern Religions (3)
- PHIL 419 The World's Religions in America (3)
- PHIL 490 Theories of Justice (3)
- PHIL 496 International Law and Morality (3)

#### **Required Courses (18 credits)**

- PHIL 280 Environmental Ethics (3)

Two additional 200- to 400-level philosophy courses, at least one of which must be 400-level (6)

Three elective courses in sustainability and the environment; must be approved by a PLE academic adviser (9)

### **Applied Ethics and Professional Life Concentration (27 credits)**

#### **Philosophy Courses Related to Ethics and Professional Life (9 credits)**

*Three of the following:*

- PHIL 250 Social and Political Philosophy (3)
- PHIL 301 Ethics (3)
- PHIL 305 Professional Ethics in Human Services (3)
- PHIL 460 Moral Leadership and the Pursuit of Excellence (3)
- PHIL 480 Philosophy, Law and Current Events (3)
- PHIL 490 Theories of Justice (3)
- PHIL 495 Existentialism (3)

#### **Required Courses (18 credits)**

Two additional 200- to 400-level philosophy courses, at least one of which must be 400-level (6)

Four elective courses in professional development, other than philosophy courses; must be approved by a PLE academic adviser (12)

### **Philosophy Courses Available for Any Concentration**

- PHIL 101 Introduction to Philosophy (3)
- PHIL 140 Contemporary Moral Issues (3)
- PHIL 150 Critical Thinking and Arguments (3)
- PHIL 200 The Nature and Purpose of Law (3)
- PHIL 250 Social and Political Philosophy (3)
- PHIL 280 Environmental Ethics (3)
- PHIL 301 Ethics (3)
- PHIL 302 Philosophy of Community (3)
- PHIL 305 Professional Ethics in the Human Services (3)
- PHIL 309 Eastern Religions (3)
- PHIL 316 Logic of Language (3)
- PHIL 317 Ancient Philosophy (3)
- PHIL 319 Modern Philosophy (3)
- PHIL 320 20th-Century Philosophy (3)

PHIL 321	Philosophers that Changed the World (3)
PHIL 322	God, Philosophy and Religion (3)
PHIL 419	The World's Religions in America (3)
PHIL 460	Moral Leadership and the Pursuit of Excellence (3)
PHIL 470	Philosophy and American Society (3)
PHIL 480	Philosophy, Law and Current Events (3)
PHIL 490	Theories of Justice (3)
PHIL 492	Independent Study (1-6)
PHIL 493	Honors Seminar (3)
PHIL 494	Honors Project (1-6)
PHIL 495	Existentialism (3)
PHIL 496	International Law and Morality (3)
PHIL 497	Special Topics in Philosophy (3)
PHIL 498	Internship in Philosophy, Law and Ethics (1-3)
PHIL 499	Capstone in Philosophy, Law and Ethics (3)

Please check with the program director for course availability for any given semester.

## **ACCELERATED BACHELOR'S/MASTER'S OPTION**

Students who qualify may apply to take up to 9 graduate credits that apply to both this undergraduate degree and the M.A. in legal studies. Contact the PLE program academic coordinator for information and see [Accelerated Bachelor's/Master's Option](#).

## **LAW SCHOOL AUTOMATIC-ADMIT OPTION**

Qualified graduates of all UBalt undergraduate programs can be automatically admitted to the UBalt School of Law following their graduation through the University's automatic-admit option. For more information, see [Law School Automatic-Admit Option](#).

## **LAW SCHOOL EARLY-ENTRY OPTION**

Many students pursue philosophy coursework as preparation for law school. Nationally, students who study philosophy are among the highest performers on the LSAT, the test used as a primary determinant of a prospective student's candidacy for law school. At UBalt, most undergraduate students who enter UBalt law school have studied philosophy. UBalt offers a unique opportunity for qualified students to seek early admission to the School of Law upon completion of 93 credits through the Law School Early-Entry Option. Qualified students can then earn an additional 27 hours of law school credits to attain the 120 credits required for the bachelor's degree. See [Law School Early-Entry Option](#) for information about the qualifications and requirements that govern this option. PLE students interested in the early-entry program should speak with their academic adviser and program director about this option.

## **HONORS TRACK**

The PLE major includes a PLE honors track for those with a minimum 3.5 GPA and who are already members of the Helen P. Denit Honors Program. The PLE honors track is designed to provide an

enhanced educational experience, including further opportunities to develop leadership skills. Students who graduate from this honors track receive special designation on their transcripts and at graduation for their achievement. Requirements include at least 12 credits of upper-division enhanced coursework, successful completion of an experiential learning requirement, and participation in the Hoffberger Center for Professional Ethics and/or Philosophy Club. For more information, please see the program director.

## **B.A. IN PSYCHOLOGY**

[ubalt.edu/psychology](http://ubalt.edu/psychology)

Kristen Eyssell, program director

FACULTY: Donahue, Eyssell, Farley, Frederick, Gasparini, Gasser, Glazer, Mitchell, Richardson, Sohelian, Vinson

ADJUNCT FACULTY: Carson, Ferron, Garove

The B.A. in Psychology program is housed in the Division of Applied Behavioral Sciences. The program provides students with broad exposure to the theoretical, methodological, quantitative and applied aspects of psychology. The program enables students to prepare for admission to graduate school and build skills necessary for careers in psychology and related fields. Faculty members have a wide variety of research interests and professional skills in counseling, behavioral neuroscience, social psychology, cognitive psychology, industrial/organizational psychology, and research methods and data analysis. As part of the program, all students complete a signature capstone experience under the direction of a faculty member, either an in-depth, student-generated research project or a psychology-based internship. In addition, undergraduate students and faculty members frequently engage in collaborative research teams in the Wagman Applied Psychology Laboratory. The undergraduate program sponsors a local chapter of Psi Chi, the international honor society in psychology.

## **ADMISSION REQUIREMENTS**

See the [Admission](#) section of this catalog.

## **DEGREE REQUIREMENTS**

In addition to fulfilling the requirements of the major, all bachelor's degree candidates are required to fulfill the collegewide degree requirements outlined under [Yale Gordon College of Arts and Sciences](#), Academic Policies and Information.

A maximum of 12 credits may be transferred to UBalt as meeting major requirements or major electives. The program director will evaluate and determine applicable coursework.

## **INFORMATION LITERACY**

Students in the B.A. in Psychology program will meet The University of Baltimore information literacy requirement by the successful completion of one of the following:

- INFO 110 Introduction to Information Literacy (3)
- PSYC 200 Introduction to Professional Practices (3)
- PSYC 308 Research Methods and Statistics I (3)
- PSYC 309 Research Methods and Statistics II (3).

## GENERAL EDUCATION REQUIREMENTS (38 CREDITS)

In the face of pressing economic and social challenges, it is critical that The University of Baltimore graduates be able to communicate effectively in many different modes; gather, synthesize and critically evaluate information; make ethical and evidence-based decisions within real-world contexts; understand systems and think systemically; and negotiate divergent and competing perspectives.

See the [University-Wide Degree Requirements](#) for details regarding General Education requirements at The University of Baltimore.

For this major, the preferred General Education course to satisfy one of the two social and behavioral sciences requirements is PSYC 100: Introduction to Psychology or PSYC 205: Human Development.

## PSYCHOLOGY PROGRAM REQUIREMENTS (45 CREDITS)

### **Major Requirements (6 credits)**

PSYC 100	Introduction to Psychology (3)
PSYC 200	Introduction to Professional Practices (3)

### **Behavioral Science Core (12 credits)**

PSCY 300	History and Systems of Psychology (3)
PSYC 308	Research Methods and Statistics I (3)*
PSYC 309	Research Methods and Statistics II (3)*
PSYC 490	Senior Project in Psychology (3)**

\* must be taken sequentially

\*\* requires successful completion of all other courses in the Behavioral Science Core

### **Distributive Psychology Requirement (12 credits)**

*Two courses in one of these areas and one course in each of the remaining areas:*

#### **Psychology as a Social Science**

PSYC 210	Interpersonal Psychology (3)
PSYC 250	Social Psychology (3)
PSYC 260	Psychology of Religion and Spirituality (3)
PSYC 335	Theories of Personality (3)
PSYC 365	Psychology of Gender (3)
PSYC 435	Cross-Cultural Psychology (3)

#### **Psychology as a Natural Science**

PSYC 205	Human Development (3)
PSYC 345	Cognitive Psychology (3)
PSYC 415	Evolutionary Psychology (3)
PSYC 425	Sensation and Perception (3)
PSYC 430	Physiological Psychology (3)

#### **Applied Psychology**

PSYC 320	Industrial and Organizational Psychology (3)
----------	--

PSYC 325	Forensic Psychology (3)
PSYC 330	Health Psychology (3)
PSYC 340	Counseling Psychology (3)
PSYC 380	Community Psychology (3)

### **Major Electives (15 credits)**

At least five additional PSYC courses selected from the three distributive psychology areas above and/or from the following list of courses (or other courses approved by the program director and division chair), at least 3 credits of which must be earned in 400-level courses

PSYC 215	Human Sexuality (3)
PSYC 220	Stress Identification and Management (3)
PSYC 230	Behavior Modification in Applied Settings (3)
PSYC 240	Educational Psychology (3)
PSYC 270	Positive Psychology (3)
PSYC 280	Psychology in the Media (3)
PSYC 297	Topics in Psychology (3)
PSYC 305	Multicultural Psychology (3)
PSYC 315	Motivation (3)
PSYC 350	Abnormal Psychology (3)
PSYC 355	Interviewing Psychology (3)
PSYC 370	Psycholinguistics (3)
PSYC 375	Environmental Psychology (3)
PSYC 400	Learning and Memory (3)
PSYC 403	Training and Development (3)
PSYC 404	Organizational Consulting (3)
PSYC 405	Tests and Measurements (3)
PSYC 413	Psychopathology (3)
PSYC 493	Honors Seminar (3)
PSYC 494	Honors Project (3-6)
PSYC 497	Topics in Psychology (3)
PSYC 499	Special Projects in Psychology (1-3)

### **General Electives**

IDIS 101 First-Year Seminar: Introduction to University Learning (3)  
*Freshmen only; transfer students replace this with a different elective*

Complete as many courses as necessary from any discipline to fulfill your 120-credit requirement to graduate.

## **ACCELERATED BACHELOR'S/MASTER'S OPTION**

Students who qualify may apply to take up to 9 graduate credits that apply to both this undergraduate degree and the M.S. in Applied Psychology. Contact the program director for information and see [Accelerated Bachelor's/Master's Option](#).

## LAW SCHOOL AUTOMATIC-ADMIT OPTION

Qualified graduates of all UBalt undergraduate programs can be automatically admitted to the UBalt School of Law following their graduation through the University's automatic-admit option. For more information, see [Law School Automatic-Admit Option](#).

## B.S. IN SIMULATION AND GAME DESIGN

[ubalt.edu/games](http://ubalt.edu/games)

This transfer program is also offered on weekdays at the Universities at Shady Grove.

Aaron Oldenburg, program director

FACULTY: Blodgett, Cahn, Harper, Oldenburg, Shrestha, Summers, Walsh, Kohl

ADJUNCT FACULTY: Carter, Newman, Hartley, McDonough

The B.S. in Simulation and Game Design program is offered through the Division of Science, Information Arts and Technologies. This program allows students with a strong interest in interactive software to refine their skills and understanding while they prepare for a range of career opportunities. Coursework focuses on the design and development of games, both for entertainment and learning. Students participate in development teams, building interactive software for education, training and research, as well as for the game industry. They also choose from one of two tracks to specialize in industry areas, fostering key roles in team projects. Along the way, they acquire a foundation for further study in areas such as applied information technology and user interface design.

Tracks from which students can choose include:

- **Technical Art:** For those who want to build their skill sets with 2D and 3D modeling and animation and with integrating them into game engines, this track prepares students to become technical artists who work with programmers and artists. The track focuses on higher-level 2D/3D skills and requires visual artistic talent.
- **Coding and Development:** This area of specialization is ideal for students who want to improve their programming skills in preparation for a career as a game developer. The track focuses on the designing of game concepts and turning them into functional video games and simulations. Whether students have a ton of ideas that they do not yet have the coding skills to implement or are advanced coders who want to take their skills to the next level, this program helps students advance their capabilities and make them an asset to their team.

## FACILITIES

The Division of Science, Information Arts and Technologies maintains several computer labs supporting programming, network administration, information security, 3D graphics and computer game development for game consoles, desktop and laptop computers, and mobile devices.

## ADMISSION REQUIREMENTS

Students applying to the program at the Universities at Shady Grove must have a minimum of 60 transferable credits. For more information, see the [Admission](#) section of this catalog.



## DEGREE REQUIREMENTS

In addition to fulfilling the requirements of the major, all bachelor's degree candidates are required to fulfill the collegewide degree requirements outlined under [Yale Gordon College of Arts and Sciences](#), Academic Policies and Information.

## INFORMATION LITERACY

Students in the B.S. in Simulation and Digital Entertainment program will meet The University of Baltimore information literacy requirement by the successful completion of one of the following:

- GAME 324      Designing for Humans (3)
- INFO 110      Introduction to Information Literacy (3).

If you have not completed an articulated program at one of the state's community colleges, you must meet the University's general requirements for transfer and satisfy the following course requirements:

- a college-level course in introductory game design theory and application (GAME 150: Introduction to Game Design)
- a college-level course in standard publishing technologies for the web, such as HTML/CSS (COSC 155: Internet Technologies: Mastering the Basics)
- a college-level course in 2D graphics or digital imaging (GAME 160: Graphics for Game Design or CMAT 212: Computer Graphics: Imaging)
- a college-level course in scripting for interaction design (GAME 250: Game Scripting)
- a college-level course in 3D modeling and/or animation (GAME 260: Introduction to 3D Graphics).

These prerequisite requirements can be met by courses at The University of Baltimore but are not offered at the Universities at Shady Grove. If you are applying to the program at Universities at Shady Grove, you must have a minimum of 60 transferable credits and satisfy these prerequisites *before* enrolling in UBalt classes.

## GENERAL EDUCATION REQUIREMENTS (38 CREDITS)

In the face of pressing economic and social challenges, it is critical that The University of Baltimore graduates be able to communicate effectively in many different modes; gather, synthesize and critically evaluate information; make ethical and evidence-based decisions within real-world contexts; understand systems and think systemically; and negotiate divergent and competing perspectives.

See the [University-Wide Degree Requirements](#) for details regarding General Education requirements at The University of Baltimore.

For this major, the preferred General Education course to satisfy the mathematics requirement is MATH 111: College Algebra.

## SIMULATION AND GAME DESIGN PROGRAM REQUIREMENTS (54 CREDITS)

### Core Courses (39 credits)

- GAME 150      Introduction to Game Design (3)
- COSC 155      Internet Technologies: Mastering the Basics (3)

GAME 160	Graphics for Game Design (3)*
GAME 250	Game Scripting (3)
GAME 260	Introduction to 3D Graphics (3)
GAME 315	Programming for Interactive Design (3)**
GAME 320	Game Concept and Design (3)
GAME 324	Designing for Humans (3)
GAME 370	Level Design (3)
GAME 405	The Business of Game Development (3)
GAME 440	Frontiers of Game Design (3)

\* CMAT 212: Computer Graphics: Imaging may substitute as an equivalent course.

\*\* Transfer students who have taken a college course in C# programming may substitute AITC 351: Object-Oriented Programming, a course in the Java programming language.

*One of the following games criticism courses:*

GAME 390	Game Journalism
GAME 402	Interactive Narrative
GAME 407	Social Media and Games
GAME 408	History of Video Games

*One of the following serious games courses:*

GAME 330	Games for Learning
GAME 477	Community-Focused Game Design

### **Content Tracks (15 credits)**

Students complete one of the following tracks.

#### **Technical Art**

GAME 410	Intermediate 3D Art and Production (3)
GAME 469	Game Development Project I (3)
GAME 470	Game Development Project II (3)

*Two of the following advanced technical art courses:*

GAME 380	Advanced Topics in Art and Animation (3)
GAME 420	Advanced 3D Art and Production (3)
GAME 430	Topics in Technical Art (may be taken twice when course topic changes)

#### **Coding and Development**

GAME 415	Coding Tools for Designers (3)
GAME 418	Design of Multiplayer Games (3)
GAME 445	Practical Game Programming (3)
GAME 469	Game Development Project I (3)
GAME 470	Game Development Project II (3)

#### **General Electives (30 credits)**

IDIS 101	First-Year Seminar: Introduction to University Learning (3)
----------	---

*Freshmen only; transfer students replace this with a different elective*

Complete as many courses as necessary from any discipline to fulfill your 120-credit requirement to graduate.

## **ACCELERATED BACHELOR'S/MASTER'S OPTION**

Students who qualify may apply to take up to nine graduate credits that apply to both this undergraduate degree and the M.S. in interaction design and information architecture. Contact the program director for information and see [Accelerated Bachelor's/Master's Option](#).

## **LAW SCHOOL AUTOMATIC-ADMIT OPTION**

Qualified graduates of all UBalt undergraduate programs can be automatically admitted to the UBalt School of Law following their graduation through the University's automatic-admit option. For more information, see [Law School Automatic-Admit Option](#).

## **UNDERGRADUATE CERTIFICATE OFFERED BY THE COLLEGE OF ARTS AND SCIENCES**

### **UPPER-DIVISION CERTIFICATE IN COMPUTER PROGRAMMING**

[ubalt.edu/computerprogramming](http://ubalt.edu/computerprogramming)

Giovanni Vincenti, faculty contact

This 12-credit, four-course undergraduate certificate program for students with a minimum of 60 transferable credits provides the fundamental skills necessary to enter the field of computer programming, leverage computer programming one's chosen profession or pursue graduate study in computing and technology, without having to complete a full degree program. This program can be completed in one year or less.

This certificate is ideal if you:

- Have a different undergraduate degree and are interested in entering the field of computer programming.
- Are interested in pursuing graduate study in computer programming but do not have a background in computing.

### **COURSE CODE**

Applied Information Technology (AITC). Descriptions and prerequisites for individual courses are detailed in this catalog.

### **UPPER-DIVISION CERTIFICATE REQUIREMENTS**

Applied information technology majors are not eligible for this upper-division certificate.

## CERTIFICATE REQUIREMENTS (12 CREDITS)

### Required Courses (9 credits)

AITC 350	Fundamentals of Computer Programming
AITC 351	Object-Oriented Programming
AITC 356	Database Systems <i>or</i> INSS 421 Design of Database Systems

### Elective Courses (3 credits)

*Choose one of the following:*

AITC 451	Object-Oriented Analysis and Design <i>or</i> INSS 406 System Analysis and Logical Design
AITC 453	Server-Side Web Programming
AITC 457	Mobile Applications Development
AITC 499	Independent Study
MATH 321	Mathematical Structure for Information Technology

## UPPER-DIVISION CERTIFICATE IN CYBERSECURITY

[ubalt.edu/cybersecuritycertificate](http://ubalt.edu/cybersecuritycertificate)

Giovanni Vincenti, faculty contact

This 12-credit, four-course undergraduate certificate program for students with a minimum of 60 transferable credits provides the fundamental skills necessary to enter the field of cybersecurity or pursue graduate study in cybersecurity, without having to complete a full degree program. This program can be completed in one year or less.

This certificate is ideal if you:

- Have a different undergraduate degree and are interested in entering the field of cybersecurity.
- Are interested in pursuing graduate study in cybersecurity but do not have a background in computing.

## COURSE CODE

Applied Information Technology (AITC). Descriptions and prerequisites for individual courses are detailed in this catalog.

## UPPER-DIVISION CERTIFICATE REQUIREMENTS

Applied information technology majors are not eligible for this upper-division certificate.

## CERTIFICATE REQUIREMENTS (12 CREDITS)

### Required Courses (6 credits)

AITC 310	Computer Networks
AITC 332	Computer Security

### Elective Courses (6 credits)

*Choose two of the following:*

AITC 432	Information Assurance
AITC 433	Network Security

AITC 434	Web and Database Security
AITC 435	Digital Forensics for Information Technology
AITC 499	Independent Study

## ACADEMIC MINORS OFFERED BY THE COLLEGE OF ARTS AND SCIENCES

[ubalt.edu/minors](http://ubalt.edu/minors)

### CREATIVE WRITING MINOR (15 CREDITS)

Jane Delury, faculty contact

Cultivate a creative life while you focus on your career-oriented major. This minor allows you to produce original works of fiction, nonfiction, poetry and other genres as you develop your imagination and hone your writing, editorial and analytical skills.

### REQUIREMENTS AND GUIDELINES

- This minor requires students to have completed at least 24 credits with a minimum cumulative grade point average of 2.0.
- Students may use a maximum of 6 credits to satisfy both major (degree) and minor requirements.
- Students must earn at least a C (2.0) in each course they apply to the minor.

### CREATIVE WRITING MINOR REQUIREMENTS (15 CREDITS)

ENGL 215 Introduction to Creative Writing (3)

*Choose one (1) Literature course from the list below (3 credits)*

*Choose three (3) Workshop courses from the list below (9 credits)*

#### Literature Courses

ENGL 301	Introduction to English Studies (3)
ENGL 311	Wells of the Past: Classical Foundations (3)
ENGL 313	Worlds Beyond the West (3)
ENGL 315	The Short Story (3)
ENGL 316	Modern Poetry (3)
ENGL 317	The Novel (3)
ENGL 319	Topics in International Literature (3)
ENGL 320	Contemporary Literature (3)
ENGL 331	Popular Genres (3)
ENGL 332	Literature & Film (3)
ENGL 333	Media Genres (3)
ENGL 336	Young Adult Literature & Culture (3)
ENGL 337	Great Plays (3)
ENGL 338	Modern Drama (3)

ENGL 341	American Literature to 1900 (3)
ENGL 344	American Literature since 1900 (3)
ENGL 346	The American Dream (3)
ENGL 348	Multiethnic American Literature (3)
ENGL 349	American Identities: Explorations in the Past & Present (3)
ENGL 350	Topics in African American Literature (3)
ENGL 351	Ancient Myths: Paradigms & Transformations (3)
ENGL 356	Literature & Law (3)
ENGL 360	Major Authors (if appropriate topic, approved by semester) (3)
ENGL 365	Shakespeare's Influence (3)
ENGL 372	Topics in Women's Literature (3)
ENGL 374	Austen, the Brontes & Woolf: Rooms of Their Own (3)
ENGL 395	Understanding Narrative (3)
ENGL 397	Literary Theory & Interpretation (3)
ENGL 400	Literature in Society (3)
ENGL 421	Elizabethan Renaissance: The Green World (3)
ENGL 441	The Romantic Imagination (3)
ENGL 442	The Victorian Paradox (3)
ENGL 450	The Great Moderns
ENGL 497	Topics in Literature (if appropriate topic, approved by semester) (3)

### **Workshop Courses**

ENGL 363	Creative Writing Workshop: Screenwriting (3)
ENGL 382	Creative Writing Workshop: Poetry (3)
ENGL 383	Creative Writing Workshop: Fiction (3)
ENGL 385	Creative Writing Workshop: Playwriting (3)
ENGL 386	Creative Writing Workshop: Creative Journalism (3)
ENGL 387	Creative Writing Workshop: Memoir (3)
ENGL 388	Creative Writing Workshop: Special Topics (3)
ENGL 401	Publication & Performance (3)

## **HISTORY MINOR (15 CREDITS)**

Joshua Clark Davis, faculty contact

### **REQUIREMENTS AND GUIDELINES**

- Complete at least 15 credits of history courses with a minimum cumulative grade point average of 2.0.
- Students may use a maximum of 6 credits to satisfy both major (degree) and minor requirements. Transfer students may transfer as many as 6 credits into the minor but must take a minimum of 9 credits toward the minor at UBalt.
- Students must earn at least a C (2.0) in each course they apply to the minor.

### **HISTORY MINOR REQUIREMENTS (15 CREDITS)**

HIST 295 The Historian's Toolkit (3)  
*Choose two (2) 100- or 200-level HIST courses (6 credits)*

Choose two (2) 300- or higher-level HIST courses (6 credits)

**History majors are not eligible for this minor.**

## **LITERATURE & CULTURE MINOR (15 CREDITS)**

Jane Delury, faculty contact

Take time away from your textbooks for great literature. Supplement your major by developing strong reading and analytical skills while also engaging with a variety of interesting and challenging literary works.

### **REQUIREMENTS AND GUIDELINES**

- This minor requires students to have completed at least 24 credits with a minimum cumulative grade point average of 2.0.
- Students may use a maximum of 6 credits to satisfy both major (degree) and minor requirements.
- Students must earn at least a C (2.0) in each course they apply to the minor.

### **LITERATURE & CULTURE MINOR REQUIREMENTS (15 CREDITS)**

ENGL 395 Understanding Narrative (3)

*Choose two (2) 300- or higher-level Literature courses from the list below (6 credits)*

*Choose two (2) 300- or 400- level ENGL courses or any course from the elective list below (6 credits)*

#### **Literature Courses**

ENGL 301	Introduction to English Studies (3)
ENGL 311	Wells of the Past: Classical Foundations (3)
ENGL 313	Worlds Beyond the West (3)
ENGL 315	The Short Story (3)
ENGL 316	Modern Poetry (3)
ENGL 317	The Novel (3)
ENGL 319	Topics in International Literature (3)
ENGL 320	Contemporary Literature (3)
ENGL 331	Popular Genres (3)
ENGL 332	Literature & Film (3)
ENGL 333	Media Genres (3)
ENGL 336	Young Adult Literature & Culture (3)
ENGL 337	Great Plays (3)
ENGL 338	Modern Drama (3)
ENGL 341	American Literature to 1900 (3)
ENGL 344	American Literature Since 1900 (3)
ENGL 346	The American Dream (3)
ENGL 348	Multiethnic American Literature (3)
ENGL 349	American Identities: Explorations in the Past & Present (3)
ENGL 350	Topics in African American Literature (3)
ENGL 351	Ancient Myths: Paradigms & Transformations (3)
ENGL 356	Literature & Law (3)

ENGL 360	Major Authors (3)
ENGL 365	Shakespeare's Influence (3)
ENGL 372	Topics in Women's Literature (3)
ENGL 374	Austen, the Brontes & Woolf: Rooms of Their Own (3)
ENGL 395	Understanding Narrative (3)
ENGL 397	Literary Theory & Interpretation (3)
ENGL 400	Literature in Society (3)
ENGL 421	The Elizabethan Renaissance: In the Green World (3)
ENGL 441	The Romantic Imagination (3)
ENGL 442	The Victorian Paradox (3)
ENGL 450	The Great Moderns (3)
ENGL 497	Topics in Literature (if appropriate topic, approved by semester) (3)

### **Elective Courses**

*300- or 400-level ENGL courses (WRIT/writing courses may not be used)*

ARTS 304	Arts & Ideas
CMAT 352	Media Literacy
CMAT 371	Mass Media & Society

## **MOBILE APPLICATION DEVELOPMENT MINOR**

Giovanni Vincenti, faculty contact

The importance our phones and tablets play in our daily lives is increasing exponentially every year. This minor will give you the foundations in programming that are essential to developing mobile applications for smartphones and tablets, preparing you to thrive in today's technology-driven job market. You will work with Java-based technologies to create Android applications, learning skills that can easily and quickly be ported to other platforms, such as iOS.

### **REQUIREMENTS AND GUIDELINES**

- Applied information technology majors are not eligible for this minor.

### **MINOR REQUIREMENTS (15 CREDITS)**

AITC 151	Computer Programming I (3)
AITC 251	Computer Programming II (3)
GAME 324	Designing for Humans (3)
AITC 351	Object-Oriented Programming (3)
AITC 457	Mobile Application Development (3)

## **PHILOSOPHY MINOR**

Josh Kassner, faculty contact

Philosophy courses are excellent preparation for law, business, civic engagement and leadership in many other private and public endeavors. These courses develop analytic thinking, clear and concise writing, strong communication skills, and openness to different ways of looking at the world—all of which help students become lifelong learners, engaged citizens and flourish in their careers, no matter the field.



Students are exposed to civil discourse; write about important local, national and global ideas; and study great works of philosophy and social science. Classes emphasize dynamic interaction for addressing big questions, such as: What sort of life should I seek? What makes laws and social systems just or unjust? Are there reasoned ways to sort through the fundamental questions that matter to me most? The philosophy minor can integrate with any major on campus, encouraging both depth and practical applications related to your major area of study.

The philosophy minor is administered by the philosophy program through the Division of Legal, Ethical and Historical Studies. In addition, the interdisciplinary B.A. in PLE program allows students additional study of philosophy while choosing a concentration in a subfield outside of philosophy. Please see the catalog listing for PLE for more information about this program.

## **MINOR REQUIREMENTS (15 CREDITS)**

### **Required Courses (6 credits)**

*One of the following:*

- PHIL 101 Introduction to Philosophy (3)
- PHIL 140 Contemporary Moral Issues (3)
- PHIL 150 Critical Thinking and Arguments (3)

*One of the following:*

- PHIL 317 Ancient Philosophy (3)
- PHIL 319 Modern Philosophy (3)
- PHIL 320 20th-Century Philosophy (3)

### **Electives (9 credits)**

Students complete three philosophy elective courses at the 200 level or higher, only one of which can be a 200-level course, and one **must** be a 400-level course. In addition, students must earn, across the courses that make up their minor (required and elective), at least 9 credits toward the minor with courses at the 300 or 400 level.

## **POPULAR CULTURE MINOR (15 CREDITS)**

Jennifer Keohane, faculty contact

Students are immersed in rapidly evolving, far-reaching expressions of shared cultures. The construction of self, groups, popular icons and culturally significant phrases are but a tweet away, and the ease with which these media can be engaged does not diminish their social impact. Through this minor, students learn to read, interpret, critique and utilize various media to become more savvy consumers of popular culture. They examine a variety of media—from print, film and television to popular music and video games—that focus on representations of historical figures and events, families, racial and ethnic groups, and political issues. Along the way, they learn about the historical, social, business and governmental forces that affect popular culture, as well as the psychological motivations for embracing or rejecting aspects of popular culture.

## REQUIREMENTS AND GUIDELINES

- Digital communication majors are not eligible for this minor.

### MINOR REQUIREMENTS (15 CREDITS)

CMAT 271     Interpreting Pop Culture (3)  
CMAT 352     Media Literacy (3)

*One of the following:*

ARTS 230     The Art of Film (3)  
CMAT 231     Decoding Media (3)  
ENGL 332     Literature & Film (3)

*One of the following:*

CMAT 371     Mass Media & Society (3)  
CMAT 381     Representing Reality: News & Documentary (3)

*One of the following:*

CMAT 333/  
ENGL 333     Media Genres (3)  
CMAT 363/  
ENGL 363     Creative Writing Workshop: Screenwriting (3)  
COSC 460     Games, Simulations and Society (3)  
ENGL 346     The American Dream (3)  
ENGL 392     The Archaeology of Language (3)  
PPIA 362     Media and Government (3)  
HIST 390     Film and History (3)  
WRIT 211     Popular Writing (3)  
Special topics courses, as appropriate

### PROFESSIONAL WRITING MINOR (15 CREDITS)

Jane Delury, faculty contact

Perfect your writing for whatever career you choose. This minor allows you to supplement your major by developing strong communications and writing skills in a range of media and genres.

## REQUIREMENTS AND GUIDELINES

- This minor requires students to have completed at least 24 credits with a minimum cumulative grade point average of 2.0.
- Students may use a maximum of 6 credits to satisfy both major (degree) and minor requirements.
- Students must earn at least a C (2.0) in each course they apply to the minor.

### MINOR REQUIREMENTS (3 CREDITS)

ENGL 390     Syntax, Semantics & Style (3)

Choose four (4) of the following electives (12 credits):

ENGL 321	Argument & Persuasion (3)
ENGL 323	Writing, Editing & Publishing (3)
ENGL 324	Public Relations Writing (3)
ENGL 325	Introduction to Journalism (3)
ENGL 326	Writing for Digital Media (3)
ENGL 391	Topics in Language & Society (3)
ENGL 392	Archaeology of Language (3)
ENGL 402	Copy Editing & Document Design (3)
ENGL 407	Internship in Professional Writing (1-3)
ENGL 408	Internship in University Publication (1-3)

## PSYCHOLOGY MINOR (15 CREDITS)

**Understand theories and concepts in the field of psychology that can help you find effective resolutions to interpersonal and organizational issues.**

Psychology is the scientific study of behavior and mental processes. This minor provides breadth and focus in the field of psychology, based on a foundation of research methodology and scientific writing. The skills you'll develop through this minor will augment your abilities to assess and evaluate the needs and concerns of a community or organization with which you work, and they will enhance your ability to create effective solutions, utilizing a blend of scientific skepticism and open-minded tolerance for human behavior.

*Psychology majors are not eligible for this minor.*

## REQUIREMENTS AND GUIDELINES

- This minor requires you to have completed at least 24 credits with a minimum cumulative grade point average of 2.0.
- This minor requires you to have completed PSYC 100: Introduction to Psychology with a grade of C or better.
- You may use a maximum of 6 credits to satisfy both major (degree) and minor requirements.
- You must earn at least a C (2.0) in each course you apply to the minor.
- At least 9 credits earned toward this minor must be in 300- or 400-level courses

## MINOR REQUIREMENTS (15 CREDITS)

### Required Courses (6 credits)

PSYC 200	Introduction to Professional Practices
PSYC 308	Research Methods and Statistics I or a quantitative methods course in another discipline

### Electives (9 credits)

Choose three 300- or 400-level psychology elective courses.

**Contact:** Program Director, Dr. Kristen Eysell, [keysell@ubalt.edu](mailto:keysell@ubalt.edu)

# SECURITY AND NETWORK ADMINISTRATION MINOR

Giovanni Vincenti, faculty contact

Information technology is the application of computing and communication technologies in industry, government, business and entertainment, and it is now a vital part of any organization. In the 21st century, organizations rely heavily on those who can use IT applications software competently and professionally.

As the interconnection of global information networks expands, this interdisciplinary minor in computing, communication networks, computer system administration and security technologies provides students with theoretical and practical foundations in networking, computer system administration and security scenarios.

Upon completing this minor, students are prepared, with additional review, to pursue A+ and Network+ industry certifications. Actual certification would require successful completion of the certification examinations.

## REQUIREMENTS AND GUIDELINES

- Applied information technology majors are not eligible for this minor.

## MINOR REQUIREMENTS (18 CREDITS)

### Required Courses (12 credits)

AITC 210	Computer Hardware/Software Support (3)
AITC 310	Computer Networks (3)
AITC 332	Computer Security (3)
AITC 416	Wireless Networking: Applications and Security (3)

### Electives (6 credits)

*Two of the following:*

AITC 312	System Administration (3)
AITC 431	Applied Cryptography (3)
AITC 432	Information Assurance (3)
AITC 433	Network Security (3)
AITC 435	Digital Forensics for Information Technology (3)

## SIMULATION AND GAME DESIGN MINOR (15 CREDITS)

**Aaron Oldenburg, faculty contact**

This minor will give students foundations in game and simulation design theory. Students will choose two additional development-based courses in art and/or programming. This will allow non-SGD majors who are interested in the field to develop an understanding of the process of and applications for game development. It will open the possibility of cross-disciplinary collaborations between students of different majors.

## REQUIREMENTS AND GUIDELINES

Simulation and Game Design majors are not eligible for this minor.

*Students must take each of these:*

GAME 150 Introduction to Game Design  
GAME 320 Game Concept And Design

*Students choose two of the following:*

GAME 250 Game Scripting  
GAME 315 Programming For Interactive Design  
CMAT 212 Computer Graphics: Imaging **or** GAME160 Graphics For Game Design  
GAME 260 Introduction To 3D Graphics

## WEB DEVELOPMENT MINOR

Giovanni Vincenti, faculty contact

In a society driven by internet-based technologies, the ability to create and maintain websites is essential in any domain. This minor will give students the foundations in programming that are essential to professional excellence all around the world. Topics discussed will include HTML, JavaScript, CSS, PHP, Python, Java and MySQL, giving students skills in the most popular programming technologies in today's economy.

## REQUIREMENTS AND GUIDELINES

- Applied information technology majors are not eligible for this minor.

## MINOR REQUIREMENTS (18 CREDITS)

AITC 151 Computer Programming I (3)  
AITC 251 Computer Programming II (3)  
AITC 253 Client-Side Web Development (3)  
AITC 351 Object-Oriented Programming (3)  
AITC 453 Server-Side Web Programming (3)  
GAME 324 Designing for Humans (3)