

YALE GORDON COLLEGE OF ARTS AND SCIENCES

Christine Spencer, dean

Deborah Kohl, associate dean

Ronald Castanzo, assistant dean for advising, enrollment management and student success
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 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 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**

Sharon Glazer, division chair

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

Courtney Gasser, program director, M.S. in Applied Psychology, counseling psychology concentration

Thomas Mitchell, program director, M.S. in Applied Psychology, industrial and organizational psychology concentration

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 specialization tracks in counseling psychology (offering practitioner and science specializations) and industrial and organizational psychology (offering unique study abroad opportunities). 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 (LCPCs).

- **Division of Legal, Ethical and Historical Studies**

Elizabeth Nix, division chair

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

Joshua Kassner, program director, B.A. in Jurisprudence (not accepting new students)

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

Michele Cotton, program director, M.A. in Legal Studies

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 and in philosophy, law and ethics, 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**

Bridget Blodgett, division chair

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

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

Sujan Shrestha, program director, B.S. in Simulation and Game Design

Kathryn Summers, program director, M.S. in Interaction Design and Information Architecture, certificates in Digital Media Production, Library Technologies and User Experience (UX) Design

Greg Walsh, program director, D.S. in Information and Interaction Design

Focusing on three of the increasingly important science, technology and mathematics (STEM) 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 postbachelor's certificates in digital media production, user experience design and library technologies.

- **Klein Family School of Communications Design**

Stephanie Gibson, division chair

Julie Simon, program director, B.A. in Digital Communication

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

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

Diedre Badejo, program director, B.A. in Interdisciplinary Studies

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

Amy Pointer, program director, M.F.A. in Integrated Design, M.A. in Integrated Design and Certificate in Digital Communication

Making ideas public—that's 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 1,165 men and women enrolled in the Yale Gordon College of Arts and Sciences—about two-thirds 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 VPN servers. The UB 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 UB 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., with specializations in literature & culture; creative writing; professional writing, editing & publishing; and applied rhetoric)
- Environmental Sustainability (B.A.)

- History (B.A.)
- Integrated Arts (B.A.)
- Interdisciplinary Studies (B.A.)
- Jurisprudence (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.

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.
- 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.
- 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 six 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 UB, students must have an undergraduate grade point average of at least 3.5, with at least 15 credits earned at UB, 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 UB 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 UB 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

- Applied Psychology (M.S. with concentrations in counseling psychology and in industrial and organizational psychology)
- Creative Writing & Publishing Arts (M.F.A.)
- Integrated Design (M.A.)
- Integrated Design (M.F.A.)
- Interaction Design and Information Architecture (M.S.)
- Legal Studies (M.A.)

Graduate Certificate Programs

- Digital Communication
- Digital Media Production
- Library Technologies
- Professional Counseling Studies
- User Experience (UX) Design

LAW SCHOOL AUTOMATIC-ADMIT OPTION

Students who graduate from a University of Baltimore undergraduate program with a cumulative cross-institutional grade point average of 3.35 or better as computed by the Credential Assembly Service and an LSAT score of 154 or better can be automatically admitted into the entering class of the UB 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 UB 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 UB 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.

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 155 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 UB, excluding AP, IB, DANTEs, CLEP or challenge examinations. Students must complete all lower- and upper-division General Education requirements and apply to the UB 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.

If students answer yes to any of the character and fitness questions on the UB 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.

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. 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, UB 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 UB 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 UB 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 for more information.

Giovanni Vincenti, program director

FACULTY: Ketel, Vincenti

ADJUNCT FACULTY: Abakaev, Brown, Denner, Faulkner, Lazarek, Leach, Mayfield, Suter

In the B.S. in Applied Information Technology program, you'll 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 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 (69 credits)

Applied Information Technology Core (39 Credits)

COSC 151	Computer Programming I (3)
COSC 155	Internet Technologies: Mastering the Basics (3)
COSC 210	Computer Hardware/Software Support (3)
COSC 212	Introduction to Linux (3)
COSC 251	Computer Programming II (3)
COSC 310	Fundamentals of Computer Networks (3)
COSC 324	Designing for Humans (3)
COSC 332	Fundamentals of Computer Security (3)
COSC 351	Object-Oriented Programming (3)
COSC 356	Database Systems (3)
COSC 401	The TCP/IP Protocol Suite (3)
COSC 461	IT Project Management (3)

and one of the following:

COSC 312	Administering and Supporting a Network Operating System (3)
COSC 412	Unix/Linux Administration (3)

Capstone (3 credits)

COSC 490	Practicum in Information Technology (3)
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Math Requirements (9 credits)

MATH 201	Calculus I (3)
MATH 303	Applied Probability and Statistics (3)
MATH 321	Mathematical Structure for Information Technology (3)

Tracks (18 credits)

Choose one of the following two tracks:

Application Development and Programming

COSC 434	Web and Database Security (3)
COSC 451	Object-Oriented Analysis and Design (3)
COSC 453	Advanced Web Development (3)
COSC 456	Advanced Database Systems (3)
COSC 457	Mobile Applications Programming (3)

One of the following:

COSC 432	Information Assurance and Security (3)
COSC 433	Network Security (3)

COSC 435 Digital Forensics for Information Technology (3)

Information Security and Assurance

COSC 430 Legal Issues in High Technology Crime (3)
COSC 432 Information Assurance (3)
COSC 433 Network Security (3)
COSC 434 Web and Database Security (3)
COSC 435 Digital Forensics for Information Technology (3)

One of the following:

COSC 453 Advanced Web Development (3)
COSC 456 Advanced Database Systems (3)
COSC 457 Mobile Applications Programming (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 UB undergraduate programs can be automatically admitted to the UB 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 COMMUNICATIONATION

Julie Simon, program director

FACULTY: Fountain, Gibson, Keohane, Leyva, Meikle, Pointer, Rhee, Simon, Yarrison

ADJUNCT FACULTY: P. Kopelke, Munchel, Patschke

The Digital Communication program—housed in the Klein Family School of Communications Design—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

Klein Family School of Communications Design 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 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)

*One of the following advanced writing courses:**

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 390 Syntax, Semantics & Style (3)

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

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

*One of the following background and ideas courses:**

- 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 350 Topics in African American Literature (3)
 ENGL 351 Ancient Mythology & Modern Myth (3)
 ENGL 354 Love in Literature (3)
 ENGL 361 The Hero & the Quest (3)
 ENGL 364 Shakespeare: Kings, Knaves & Fools (3)
 ENGL 365 Shakespeare: Love, Myth & Metamorphosis (3)
 ENGL 391 Topics in Language & Society (3)
 ENGL 450 The Great Moderns (3)
 CMAT 371 Mass Media & Society (3)
 CMAT 381 News & Documentary (3)

**counts as either B&I (Background & Ideas) or advanced writing or area of focus credit*

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/
 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)
COSC 402 Interactive Narrative (prereq: COSC 320) (3)

[Advanced PBDS courses by permission]

Digital Theory and Culture

CMAT/

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)
GVPP 362 Media and Government (3)

[Advanced PBDS courses by permission]

Public Relations

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 369 Video Production (3)
CMAT 357 Principles of Design (prereq: Computer Graphics Competency**) (3)
CMAT 358 Digital Design (prereq: Computer Graphics Competency**) (3)
CMAT 368 Photojournalism (3)
CMAT 391 Public Relations Strategies (3)
CMAT 392 Media Branding (prereq: CMAT 212) (3)
CMAT 458 Project Management (3) **or** ENTR 300: The Entrepreneurial Experience
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 390 Syntax, Semantics & Style (3)

ENGL 391 Topics in Language & Society (3)
 ENGL 393 Topics in Advertising (3)
 ENGL 392 Archaeology of Language (3)
 ENGL 402 Copy Editing & Document Design (3)
 MGMT 300 Organizational Behavior (3)
 MGMT 305 Managing Human Resources (3)
 MKTG 301 Marketing Management (3)
 MKTG 430 Personal Selling (3)
 MKTG 410 Buyer Behavior (3)
 MKTG 415 Marketing Communication & Digital Media (3)
 INSS 401 Internet and Business (3)
 [Advanced PBDS courses by permission]

Media Writing

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 363 Creative Writing Workshop: Screenwriting (3)
 ENGL 386 Creative Writing Workshop: Journalism (3)
 ENGL 390 Syntax, Semantics & Style (3)
 ENGL 391 Topics in Language & Society (3)
 ENGL 392 Archaeology of Language (3)
 COSC 402 Interactive Narrative (prereq: COSC 320) (3)

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)

You also need to complete the professional attendance and computer graphics competency requirements, as indicated below.

** 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.

Professional Attendance Requirement

During their tenure at the University of Baltimore, digital communication majors must attend at least five co-curricular activities related to the major. These could include lectures, workshops or conferences; professional association meetings; and a wide assortment of other events. Approved events are posted and announced in advance.

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 UB undergraduate programs can be automatically admitted to the UB 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

Jane Delury, program director

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

The B.A. in English program is housed in the Klein Family School of Communications Design. Students majoring in English choose from three specializations: literature & culture; professional writing, editing & publishing; and creative writing. The applied rhetoric specialization is no longer accepting students. Sharing a core of six courses, all specializations 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. The major prepares its students for positions in publishing and communications—media production, graphic design, electronic publishing, content writing and editing, and public relations, for example—and provides a sound basis for graduate work in areas such as literature, rhetoric, creative writing and the law.

Extracurricular opportunities for English majors include Sigma Tau Delta (the national English honor society); the literary magazine, *Skelter*; and the University newspaper, the *UB Post*.

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 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 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 (24 credits)

ENGL 301 Introduction to English Studies (3)
ENGL 498 Seminar in English (3)

One of the following multiethnic or women's literature courses (3):

ENGL 313 Worlds Beyond the West (3)
ENGL 319 Topics in International Literature (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 360 Major Authors (if appropriate topic, approved by semester) (3)
ENGL 371 Women's Literary History (3)
ENGL 372 Topics in Women's Literature (3)
ENGL 374 Austen, the Brontes & Woolf: Rooms of Their Own (3)
ENGL 400 Literature in Society (3)
ENGL 497 Topics in Literature (if appropriate topic, approved by semester) (3)

One of the following period and context courses (3):

ENGL 311 Wells of the Past: Classical Foundations (3)
ENGL 341 American Literature to 1900 (3)
ENGL 342 Melville, Poe & Whitman: American Voyagers (3)
ENGL 344 American Literature Since 1900 (3)
ENGL 346 The American Dream (3)
ENGL 360 Major Authors (3)
ENGL 361 The Hero & the Quest (3)
ENGL 362 Dante, Chaucer & Cervantes: Three Versions of Pilgrimage (3)
ENGL 366 Milton, Blake & Yeats: Poet as Prophet (3)
ENGL 374 Austen, the Brontes & Woolf: Rooms of Their Own (3)

ENGL 400	Literature in Society (3)
ENGL 421	The Elizabethan Renaissance: In the Green World (3)
ENGL 431	The Metaphysical Moment: From T.S. Eliot to John Donne (3)
ENGL 432	The Age of Reason (3)
ENGL 441	The Romantic Imagination (3)
ENGL 442	The Victorian Paradox (3)
ENGL 450	The Great Moderns (3)

One of the following (3):

ENGL 364	Shakespeare: Kings, Knaves & Fools (3)
ENGL 365	Shakespeare: Love, Myth & Metamorphosis (3)

One of the following (3):

ENGL 392	The Archaeology of Language (3)
ENGL 395	Understanding Narrative (3)

Two additional 300- or 400-level ARTS, CMAT or ENGL courses (6)

Specializations (18 credits)

Students complete one of the following specializations.

LITERATURE & CULTURE SPECIALIZATION

The literature & culture specialization fosters the development of critical thinking and interpretive skills through the study of literary works, aesthetics and historical perspectives from around the world.

Required (12)

- ENGL 397 Literary Theory & Interpretation (3)
- Two additional period and context courses (6)
- One additional multiethnic/women's literature course (3)

One of the following British literature courses (3):

ENGL 358	Tolkien: Master of Fantasy (3)
ENGL 360	Major Authors (if appropriate topic, approved by semester) (3)
ENGL 364	Shakespeare: Kings, Knaves & Fools (3)
ENGL 365	Shakespeare: Love, Myth & Metamorphosis (3)
ENGL 366	Milton, Blake & Yeats: Poet as Prophet (3)
ENGL 374	Austen, the Brontes & Woolf: Rooms of Their Own (3)
ENGL 421	The Elizabethan Renaissance: In the Green World
ENGL 431	The Metaphysical Moment: from T.S. Eliot to John Donne (3)
ENGL 432	The Age of Reason (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)

One of the following American literature courses (3):

ENGL 338	Modern Drama (3)
ENGL 341	American Literature to 1900 (3)
ENGL 342	Melville, Poe & Whitman: American Voyagers (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 360	Major Authors (if appropriate topic, approved by semester) (3)
ENGL 497	Topics in Literature (if appropriate topic, approved by semester) (3)

PROFESSIONAL WRITING, EDITING & PUBLISHING SPECIALIZATION

The professional writing, editing & publishing specialization concentrates on the in-demand editing, writing and publishing skills valued in almost every academic, governmental, nonprofit and business setting. Through coursework in areas such as public relations writing, writing for the media, copyediting and document design, and graphic design—often taught by practicing professionals—students develop a repertoire of skills. An internship may serve as a gateway to a career after graduation. Students who are interested in expanding their career options may elect courses in graphic or electronic design offered through the digital communication program.

Required (12)

CMAT 211	Computer Graphics: Publishing (3)
ENGL 323	Writing, Editing & Publishing (3)
ENGL 390	Syntax, Semantics & Style (3)
ENGL 402	Copy Editing & Document Design (3)

Two of the following (6):

ENGL 322	Techniques of Popularization (3)
ENGL 325	Introduction to Journalism (3)
ENGL 330	Legal Rhetoric & Writing (3)
ENGL 326	Writing for Digital Media (3)
ENGL 324	Public Relations Writing (3)
ENGL 321	Argument & Persuasion (3)
ENGL 407	Internship in Professional Writing or ENGL 408: Internship in University Publications (1-3)

CREATIVE WRITING SPECIALIZATION

The creative writing specialization nurtures and refines creativity across multiple genres, with particular attention to the importance of audience and to the editing process. In addition, creative writers are encouraged to attend readings by accomplished contemporary writers sponsored by the University's M.F.A. in Creative Writing & Publishing Arts program. In the required ENGL 401: Publication & Performance course, all majors collaborate in editing and producing the University's literary magazine, *Skelter*.

Required (3):

ENGL 401	Publication & Performance (3)
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Two of the following (6):

ENGL 315	The Short Story (3)
ENGL 316	Modern Poetry (3)
ENGL 317	The Novel (3)
ENGL 320	Contemporary Literature (3)

ENGL 332	Literature & Film (3)
ENGL 338	Modern Drama (3)

Three of the following (9):

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

APPLIED RHETORIC SPECIALIZATION

The applied rhetoric specialization develops the skills necessary for professions in law, communications and business by promoting the analysis of language and the interdisciplinary study of literature, writing, popular culture and communications.

Required (3)

CMAT 342	The Rhetoric of Digital Communication (3)
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One of the following (3):

ENGL 392	The Archaeology of Language (3)
ENGL 395	Understanding Narrative (3)

Take one to complete the core courses and one to complete this specialization.

Two of the following (6):

ENGL 356	Literature & Law (3)
ENGL 400	Literature in Society (3)
ENGL 321	Argument & Persuasion (3)
ENGL 330	Legal Writing & Rhetoric (3)

Two of the following (6):

CMAT 352	Media Literacy (3)
CMAT 371	Mass Media & Society (3)
ENGL 331	Popular Genres (3)
ENGL 333	Media Genres (3)

General Electives

IDIS 101	First-Year Seminar: Introduction to University Learning (3) <i>freshmen only; transfer students replace this with a different elective</i>
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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 UB undergraduate programs can be automatically admitted to the UB 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

Stanley Kemp, program director

FACULTY: Castanzo, Haynes, Kassner, Kemp, Kohl, Pecher, Porter

Students in the environmental sustainability and human ecology 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. 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's shaped by ecological considerations. They also examine the ethical and legal implications of the use, treatment and potential destruction of the natural environment.

When they graduate, students are prepared to deal with the real problems facing communities worldwide, from Baltimore to cities in the developing world. 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. The newest facilities addition is the mesocosm experimental and teaching lab on the basement floor of the H. Mebane Turner Learning Commons building.

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
- Oral Communication (OC): ANTH 365: Human Population Dynamics
- 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 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 (61 credits)

Note that 16-19 credits of the Environmental Sustainability program requirements can be satisfied by General Education requirements.

Core Courses (37 credits)

Biological and Environmental Sciences Foundation (7 credits)

ENVS 201	Human Ecology (3)*
BIOL 121	Fundamentals of Biology (4)*

Social Sciences (21 credits)

ANTH 110	Cultural Anthropology (3)*
ANTH 222	Human Environmental Adaptations (3)
ANTH 365	Human Population Dynamics (3)
ECON 100	Economics of Contemporary Issues (3)*
PSYC 100	Introduction to Psychology (3)*
PSYC 375	Environmental Psychology (3)
SOCI 303	Urban Sociology (3)

Humanities (3 credits)

PHIL 280	Environmental Ethics (3)*
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Government and Public Policy (6 credits)

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

**16 of these credits can also satisfy General Education requirements.*

Environmental Science Track (24 credits)

Physical Sciences (3 credits)

PHSC 101 Earth in Focus (3)*

Environmental Science (15 credits)

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)

*19 credits of General Education requirements can be fulfilled between core courses and environmental science track courses.

Anthropology track — *suspended; no longer admitting new students*

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 UB undergraduate programs can be automatically admitted to the UB 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

Joshua Clark Davis, program director

FACULTY: Davis, Hudgins, Nix, Yi

ADJUNCT FACULTY: Trumpbour

The B.A. in History program is administered through the Division of Legal, Ethical and Historical Studies. The program provides students with a broad background in the global and American past. It sharpens the analytical and communication skills necessary for advanced training and career development. As such, it has thrived as one of the traditional programs of study for students who go on to careers in law, government, business, education, nonprofit organizations and other professions.

The program is also designed for students who wish to pursue graduate work in the humanities, social sciences or other professional fields. The program is a flexible one. It includes basic coverage of period courses in American, Asian and European history, plus more specialized thematic courses in the history of law, business and ideas.

In addition, students may select the program's specialization in public history, leading to a B.A. in History with a specialization in public history. Public history is the professional application of historical methods, skills, research and presentation in settings outside the classroom. Public historians work in

museums, archives, government agencies, historical societies, living history sites, preservation groups, businesses and nonprofit organizations of all kinds, either independently or in partnership with academic institutions. Students in the public history specialization combine standard history coursework with public history courses, seminars, independent research and an internship designed to introduce them to various specialties within the field as they gain practical experience in a variety of professional settings where historians work. The public history specialization requires 15 credits, including a foundation course on local history, two public history core courses and two specialized electives.

There are also plenty of opportunities for directed research through independent studies, internships at local historical agencies or museums, and a senior seminar. Moreover, students working on such projects find easy access to some of the best archival and other resources in the Greater Baltimore region.

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 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)

Two of the following courses (6 credits):

HIST 101 World History to 1500 (3)
HIST 102 World History Since 1500 (3)
HIST 111 Early America (3)

- HIST 112 Modern America (3)
 HIST 123 World History of Art (3)

One of the remaining courses above or one of the following courses (3 credits):

- HIST 197 Conflicts in History (3)
 HIST 204 African American History to 1865
 HIST 205 African American History Since 1865
 HIST 240 Everyday Lives (3)
 HIST 290 Great Issues in History (3)

Four of the following courses:

Topics in American History (12 credits)

- HIST 308 History of American Business (3)
 HIST 325 Prisons and Police in U.S. History (3)
 HIST 340 American Legal History (3)
 HIST 350 History of U.S. Foreign Relations (3)
 HIST 364 Civil Rights in U.S. History
 HIST 370 Old South and Slavery (3)
 HIST 375 The Civil War and Reconstruction (3)
 HIST 377 New South and Civil Rights (3)
 HIST 380 The Chesapeake World (3)
 HIST 381 American Cities (3)
 HIST 382 History of Baltimore (3)
 HIST 383 Community History (3)
 HIST 385 U.S. Women's History (3)
 HIST 395 Introduction to Historiography
 HIST 396 Introduction to Public History
 HIST 420 America Since 1940 (3)
 HIST 434 American Constitutional History (3)
 HIST 468 American Political History (3)
 HIST 482 Introduction to Historical Preservation (3)
 HIST 496 Seminar in Public History (3)

Three of the following courses:

Topics in the History of the Wider World (9 credits)

- HIST 310 Ancient Civilizations (3)
 HIST 311 Emergence of Europe (3)
 HIST 312 Age of Revolution (3)
 HIST 313 Europe, 1815-1914 (3)
 HIST 314 Europe, 1914-45 (3)
 HIST 315 Europe Since 1945 (3)
 HIST 324 Modern China (3)
 HIST 326 Modern Japan (3)
 HIST 328 Modern Korea (3)
 HIST 331 English Law to 1689 (3)
 HIST 332 English Law Since 1689 (3)
 HIST 354 History of Germany (3)
 HIST 440 History of Common Law (3)
 HIST 466 History of Africa (3)

HIST 474 Women and the Family in European History (3)

The following courses, depending on the instructor's preference, may be taught either as Topics in American History or 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 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 (3)
HIST 492 Independent Study (1-3)
HIST 493 Honors Seminar (3)
HIST 494 Honors Project (3-6)
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 and Ethical Studies. Contact the program director for information and see [Accelerated Bachelor's/Master's Option](#).

Law School Automatic-Admit Option

Qualified graduates of all UB undergraduate programs can be automatically admitted to the UB 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 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 331 English Law to 1689 (3)
- HIST 332 English Law Since 1689 (3)
- HIST 340 American Legal History (3)
- HIST 434 American Constitutional History (3)
- HIST 440 History of Common Law (3)
- HIST 438 Great Trials in History (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 496 Seminar in Public History (highly recommended) (3)
- CMAT 369 Digital Video (3)
- CMAT 381 Representing Reality: News & Documentary (3)
- CMAT 455 Hypermedia (3)

GVPP 300	American Political Institutions (3)
GVPP 322	Bureaucracy and Public Policy (3)
GVPP 326	Urban Politics and Public Policy (3)
GVPP 348	State and Local Government (3)
GVPP 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) <i>freshmen only; transfer students replace this with a different elective</i>
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Complete as many courses as necessary from any discipline to fulfill your 120-credit requirement to graduate.

B.A. IN INTEGRATED ARTS

ubalt.edu/integratedarts

Ian Power, program director

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

ADJUNCT FACULTY: Eide, Jones, McCallum, Stroupe

The B.A. in Integrated Arts program, administered through the Klein Family School of Communications Design, 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 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 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 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.

Integrated Arts Program Requirements (48 credits)

Foundation Requirements (6 credits)

- ARTS 201 The Arts in Society (3)
ARTS 202 Technology & the Arts (3)

Production Classes (9 credits)

Three of the following courses from the same general area of study, or speak with your adviser about alternative options:

- ARTS 297 Topics in the Arts I (3)
ARTS 397 Topics in Integrated Arts (3)
ARTS 489 Independent Study in Integrated Arts (3)
CMAT 211 Computer Graphics: Publishing (3)
CMAT 212 Computer Graphics: Imaging (3)
CMAT 215 Introduction to Design (3)
CMAT 216 History of Graphic Design (3)
CMAT 357 Principles of Design (3)
CMAT 358 Digital Design (3)
CMAT 364 Digital Photography (3)
CMAT 366 Producing Sound Portraits (3)
CMAT 368 Photojournalism (3)
CMAT 369 Digital Video (3)
CMAT 456 Multimedia Design & Production (3)
CMAT 469 Advanced Audio Video Production (3)
COSC 150 Introduction to Game Design (3)
COSC 155 Internet Technologies: Mastering the Basics (3)
COSC 160 Graphics for Game Design (3)
COSC 260 Introduction to 3D Graphics (3)
COSC 410 3D Modeling (3)
COSC 414 Audio in Games (3)

CMAT 334/ ENGL 334	Oral Interpretation of Literature (3)
ENGL 215	Introduction to Creative Writing (3)
WRIT 363/ CMAT 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 387	Creative Writing Workshop: Memoir (3)
ENGL 388	Creative Writing Workshop: Special Topics (3)
ENGL 401	Publication & Performance (3)

Analysis Classes (9 credits)

Three of the following courses, or speak with your adviser about alternative options:

ARTS 101	Music & Arts as Craft (3)
ARTS 121	World Music (3)
ARTS 297	Topics in the Arts I (if appropriate topic, approved by semester) (3)
ARTS 304	Arts & Ideas (3)
ARTS 397	Topics in Integrated Arts (3)
ARTS 489	Independent Study in Integrated Arts (3)
CMAT 130	Baltimore in the Media (3)
CMAT 231	Decoding Media (3)
CMAT 271	Interpreting Pop Culture (3)
CMAT 333/ ENGL 333	Media Genres (3)
CMAT 475	Media Criticism (3)
COSC 460	Games, Simulations and Society (3)
ENGL 200	The Experience of Literature (3)
ENGL 250	Origins: In Search of Self (3)
most ENGL/literature courses	

Professional Application Classes (9 credits)

Three of the following courses:

ARTS 351	The Business of Being an Artist (3)
ARTS 352	Essentials of Arts Management (3)
ARTS 397	Special Topics in Integrated Arts (3)
ARTS 489	Independent Study in Integrated Arts (3)
CSCE 301	Introduction to Nonprofit Leadership (3)
CSCE 302	Fundamentals of Grant Writing (3)
CSCE 400	Nonprofit Management (3)
ECON 200	The Economic Way of Thinking (3)
ECON 305	Managerial Economics (3)
ENTR 300	The Entrepreneurial Experience (3)
ENTR 320	Opportunity Assessment and Development (3)
FIN 300	Personal Finance (3)
FIN 331	Financial Management (3)
GVPP 320	Public Administration (3)
GVPP 324	American Public Policy (3)
GVPP 463	Interest Group Politics and Lobbying (3)

MGMT 301 Management and Organizational Behavior (3)
MGMT 315 Human Resource Management (3)
MKTG 301 Marketing Management (3)
MKTG 415 Marketing Communication (3)
MKTG 460 Advanced Marketing Management (3)
any advanced management course

Major Electives (9 credits)

An additional three courses from among the production classes, analysis classes and professional application classes

Capstone Requirements (6 credits)

ARTS 475 Internship (3)
ARTS 476 Senior Seminar (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 UB undergraduate programs can be automatically admitted to the UB 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

T. Harper, program director (fall 2019); Diedre Badejo, program director (spring 2020)
ADVISORY BOARD AND AFFILIATED FACULTY: faculty and staff members across the Yale Gordon College of Arts and Sciences, the College of Public Affairs, and the Merrick School of Business

The B.A. in Interdisciplinary Studies program, the University's 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.

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 IDIS program requirements.

The program also includes an honors track that allows greater opportunity for students to create an individualized major, working closely with a B.A. in Interdisciplinary Studies program faculty member throughout the program. 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 201: 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 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 201: 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 201 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 premajor 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 UB undergraduate programs can be automatically admitted to the UB 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 JURISPRUDENCE (no longer accepting new students)

ubalt.edu/jurisprudence

Please note that this program is no longer accepting new majors effective fall 2019. The Jurisprudence program has merged with another major to become the program in Philosophy, Law and Ethics. See the listing for [Philosophy, Law and Ethics \(B.A.\)](#).

Josh Kassner, program director

FACULTY: Guy, Scalet

The B.A. in Jurisprudence program is a selective, interdisciplinary academic program designed for students who are serious about their studies, many of whom go on to law school, graduate school, public service or law-related careers in the private sector. Students in this major examine topics related to law and legal theory through a core set of philosophy classes, as well as history, literature, government and public policy, and other interdisciplinary classes. Students strengthen decision-making, analytic thinking and writing, problem-solving and leadership skills. This major reflects the commitments of many universities in the United States and abroad: to create a flexible and interdisciplinary course of study in the humanities and social sciences that focuses on different aspects of law for students interested in law-related careers. At UB, the jurisprudence major emphasizes an applied liberal arts approach to understanding the law, which also serves as excellent preprofessional preparation for careers in the law and law-related fields. The program is administered by the B.A. in Philosophy, Law and Ethics program through the Division of Legal, Ethical and Historical Studies.

Qualified students may seek early admission to the UB School of Law upon completion of 93 credits through the Law School Early-Entry Option, which allows students to begin studying law prior to the completion of the bachelor's degree and to substitute the first year of law school for the senior year of college.

Admission Requirements

Jurisprudence 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 freshman standards and transfer students.

Applicants who do not meet this criterion for admission to the Jurisprudence program but meet requirements for undergraduate admission or for choosing an academic major may select another major. If, between the time of first admission to UB and the successful completion of 72 credits applicable to the degree (including transfer credits), such students raise their cross-institutional cumulative GPA to 3.0, they may petition for a change of major to the B.A. in Jurisprudence program. 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 course of study, but all jurisprudence majors must meet any course requirements for the B.A. in Jurisprudence program as outlined in this catalog with either acceptable transfer credits or credits earned at UB.

Applicants who are interested in the 93-credit Law School Early-Entry Option are cautioned to read UB School of Law requirements for this option carefully (see ubalt.edu/prelaw) and seek advisement regarding their current standing and progress toward meeting these requirements.

Freshmen and sophomores who are interested in this major should meet with the Jurisprudence program director as part of the transition process to an academic major. Transfer students must meet with the Jurisprudence program director prior to their first registration at UB.

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 Jurisprudence 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 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.

Jurisprudence Program Requirements (57 credits)

Required Courses (12 credits)

JPLA 200	Introduction to Jurisprudence (3)
PHIL 301	Ethics (3)
PHIL 316	Logic of Language (3)
JPLA 498	Capstone Project (3)

Foundational Electives (9 credits)

one 100- or 200-level course in American government

one 100- or 200-level course in American history
one 100- or 200-level course in philosophy

Other courses may be substituted with the permission of the program director. Students may substitute a paralegal degree for the foundational electives with the permission of the program director.

Advanced Electives (36 credits)

Please contact the B.A. in Jurisprudence program academic coordinator 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.

English, Writing and Communication (6 credits)

Two of the following:

CMAT 303	Oral Communication in Business (3)
ENGL 351	Ancient Myth: Paradigms & Transformations (3)
ENGL 356	Literature & Law (3)
ENGL 364	Shakespeare: Kings, Knaves & Fools (3)
ENGL 365	Shakespeare: Love, Myth & Metamorphosis (3)
ENGL 432	The Age of Reason (3)
WRIT 314	Argument & Persuasion (3)

Government and Public Policy (12 credits)

Four of the following:

GVPP 300	American Political Institutions (3)
GVPP 340	Constitutional Law (3)
GVPP 341	Civil Liberties and the Bill of Rights (3)
GVPP 345	The Legislative Process (3)
GVPP 381	American Political Thought (3)
GVPP 382	Political Ideologies (3)
GVPP 384	Comparative Government (3)
GVPP 425	Administrative Law and Process (3)
GVPP 490/491	Internship (3)

History (12 credits)

Four of the following:

HIST 312	Age of Revolution (3)
HIST 331	English Law to 1689 (3)
HIST 332	English Law Since 1689 (3)
HIST 340	American Legal History (3)
HIST 377	New South and Civil Rights (3)
HIST 434	American Constitutional History (3)
HIST 438	Great Trials in History (3)
HIST 440	History of Common Law (3)
HIST 468	American Political History (3)
HIST 490	Internship (3)
HIST 492	Independent Study (1-3)

Philosophy (6 credits)

Two of the following:

PHIL 317	Ancient Philosophy (3)
PHIL 319	Modern Philosophy (3)
PHIL 320	20th-Century Philosophy (3)
PHIL 419	Religions in America (3)
PHIL 490	Theories of Justice (3)
PHIL 492	Independent Study (1-6)
PHIL 496	International Law and Morality (3)

These jurisprudence courses may be substituted for any advanced electives:

JPLA 400	Topics (3)
JPLA 496	Internship (3)

General Electives

IDIS 101	First-Year Seminar: Introduction to University Learning (3) <i>freshmen only; transfer students replace this with a different elective</i>
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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 and Ethical Studies. Contact the B.A. in Jurisprudence program academic coordinator for information and see [Accelerated Bachelor's/Master's Option](#).

Law School Automatic-Admit Option

Qualified graduates of all UB undergraduate programs can be automatically admitted to the UB 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

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, 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 UB's own distinctive PLE program. Classes are academically challenging, diverse and enriching. Taught by highly qualified UB 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 workforce.

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 freshman 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 UB, students earn a 3.0 GPA at UB, 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 UB School of Law requirements for this option (see 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 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 UB 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 UB 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 UB 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 and Ethical 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 UB undergraduate programs can be automatically admitted to the UB 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 UB, most undergraduate students who enter UB law school have studied philosophy. UB 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 credit 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

Kristen Eyssell, program director

FACULTY: Donahue, Eyssell, Farley, Frederick, Gasparini, Gasser, Glazer, Manapragada, Mitchell, Shaffer, Sohelian

ADJUNCT FACULTY: Harvey, Mowrer

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 UB 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 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 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 Theories of Learning
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) <i>freshmen only; transfer students replace this with a different elective</i>
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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 UB undergraduate programs can be automatically admitted to the UB 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

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

Sujan Shrestha, program director

FACULTY: Blodgett, Cahn, T. Harper, Oldenburg, Shrestha, Summers, Walsh

ADJUNCT FACULTY: Coughlin, Falcone, Hill, McDonough, Owens, Pizza, Sauchuk, Satzinger, Schall, Thomas

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.

Tracks from which students can choose include:

- **Technical Art:** For those who want to build their skill sets with 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 3D skills and requires

visual artistic talent. Admission into the technical art track requires the student to submit a portfolio of work for review. The program adviser will provide submission requirements.

- **Coding and Development:** This area of specialization is ideal for students who want to improve their scripting and logic skills in preparation for a career as a game developer, turning ideas into functional videogames 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 will help 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:

- COSC 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 (COSC 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 (COSC 160: Graphics for Game Design or CMAT 212: Computer Graphics: Imaging)
- a college-level course in scripting for interaction design (COSC 250: Game Scripting)
- a college-level course in 3D modeling and/or animation (COSC 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 UB classes.

General Education Requirements (43 credits)

In the face of pressing economic and social challenges, it is critical that 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 Digital Entertainment Program Requirements (48 credits)

Core Courses (33 credits)

COSC 150	Introduction to Game Design (3)
COSC 155	Internet Technologies: Mastering the Basics (3)
COSC 160	Graphics for Game Design (3)*
COSC 250	Game Scripting (3)
COSC 260	Introduction to 3D Graphics (3)
COSC 315	Programming for Interactive Design (3)**
COSC 320	Game Concept and Design (3)
COSC 324	Designing for Humans (3)
COSC 370	Level Design (3)
COSC 405	The Business of Game Development (3)
COSC 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 COSC 351: Object-Oriented Programming, a course in the Java programming language.

One of the following games criticism courses:

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

One of the following serious games courses:

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

Content Tracks (15 credits)

Students complete one of the following tracks.

Technical Art

COSC 380	Advanced Topics in Art and Animation (3)
COSC 410	Intermediate 3D Art and Production (3)
COSC 420	Advanced 3D Art and Production (3)
COSC 469	Game Development Project I (3)
COSC 470	Game Development Project II (3)

Coding and Development

COSC 415	Coding Tools for Designers (3)
COSC 418	Design of Multiplayer Games (3)
COSC 445	Practical Game Programming (3)

COSC 469 Game Development Project I (3)
COSC 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 UB undergraduate programs can be automatically admitted to the UB School of Law following their graduation through the University's automatic-admit option. For more information, see [Law School Automatic-Admit Option](#).

UPPER-DIVISION CERTIFICATE IN COMPUTER PROGRAMMING

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

Computer science (COSC). 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)

COSC 350 Fundamentals of Computer Programming

COSC 351 Object-Oriented Programming
COSC 356 Database Systems **or** INSS 421 Design of Database Systems

Elective Courses (3 credits)

Choose one of the following:

COSC 451 Object-Oriented Analysis and Design **or** INSS 406 System Analysis and Logical Design
COSC 453 Advanced Web Development
COSC 457 Mobile Applications Development
COSC 499 Independent Study
MATH 321 Mathematical Structure for Information Technology

UPPER-DIVISION CERTIFICATE IN CYBERSECURITY

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

Computer science (COSC). 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)

COSC 310 Fundamentals of Computer Networks
COSC 332 Fundamentals of Computer Security

Elective Courses (6 credits)

Choose two of the following:

COSC 432 Information Assurance
COSC 433 Network Security
COSC 434 Web and Database Security
COSC 435 Digital Forensics for Information Technology
COSC 499 Independent Study

ACADEMIC MINORS

ubalt.edu/minors

APPLIED RHETORIC MINOR (15 credits) – No longer accepting new students

Jane Delury, faculty contact

This minor is a perfect fit for you if you are preparing for law school or are in such majors as jurisprudence and criminal justice. This minor is ideal for students interested in developing the close reading and communication skills needed for professions in law, communication and business.

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.

Applied Rhetoric Course Requirements (15 credits total)

ENGL 392 The Archaeology of Language (3)
ENGL 395 Understanding Narrative (3)

One of the following:

CMAT 342 The Rhetoric of Digital Communication (3)
CMAT 352 Media Literacy (3)
CMAT 371 Mass Media & Society (3)

Two of the following:

ENGL 321 Argument & Persuasion (3)
ENGL 330 Legal Writing & Rhetoric (3)
ENGL 331 Popular Genres (3)
ENGL 333 Media Genres (3)
ENGL 356 Literature & Law (3)
ENGL 400 Literature in Society (3)

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.

Minor Requirement (3 credits)

WRIT 215 Introduction to Creative Writing (3)

Two of the following (6):

ENGL 315 The Short Story (3)
ENGL 316 Modern Poetry (3)
ENGL 317 The Novel (3)
ENGL 320 Contemporary Literature (3)
ENGL 332 Literature & Film (3)
ENGL 338 Modern Drama (3)

Three of the following (9):

ENGL 363 Creative Writing Workshop: Screenwriting (3)
ENGL 387 Creative Writing Workshop: Memoir (3)
ENGL 386 Creative Writing Workshop: Creative Journalism (3)
ENGL 382 Creative Writing Workshop: Poetry (3)
ENGL 383 Creative Writing Workshop: Fiction (3)
ENGL 385 Creative Writing Workshop: Playwriting (3)
ENGL 388 Creative Writing Workshop: Special Topics (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 UB. Students must earn at least a C (2.0) in each course they apply to the minor.

History Minor Requirements (15 credits)

History core requirement (3 credits):

HIST 295 The Historian's Toolkit (3)

Choose two of the following (6 credits):

HIST 101 World History to 1500 (3)
HIST 102 World History Since 1500 (3)
HIST 111 Early America (3)
HIST 112 Modern America (3)
HIST 121 World History of Art to 1500 (3)
HIST 122 World History of Art from 1500 (3)
HIST 197 Conflicts in History (3)

Complete both of the following (6 credits):

one 200-level or higher HIST course (must be 3 credits)
one 400-level or higher HIST course (must be 3 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.

Minor Requirement (3)

ENGL 397 Literary Theory & Interpretation (3)

Two of the following period and context courses (6):

ENGL 311 Wells of the Past: Classical Foundations (3)
ENGL 341 American Literature to 1900 (3)
ENGL 342 Melville, Poe & Whitman: American Voyagers (3)
ENGL 344 American Literature Since 1900 (3)
ENGL 346 The American Dream (3)
ENGL 360 Major Authors (3)
ENGL 361 The Hero & the Quest (3)
ENGL 362 Dante, Chaucer & Cervantes: Three Versions of Pilgrimage (3)
ENGL 366 Milton, Blake & Yeats: Poet as Prophet (3)
ENGL 374 Austen, the Brontes & Woolf: Rooms of Their Own (3)
ENGL 400 Literature in Society (3)
ENGL 421 The Elizabethan Renaissance: In the Green World (3)
ENGL 431 The Metaphysical Moment: From T.S. Eliot to John Donne (3)
ENGL 432 The Age of Reason (3)
ENGL 441 The Romantic Imagination (3)
ENGL 442 The Victorian Paradox (3)
ENGL 450 The Great Moderns (3)

Electives (6)

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

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

Applied information technology majors are not eligible for this minor.

Minor Requirements (15 credits)

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

PHILOSOPHY MINOR

Josh Kassner, faculty contact

Philosophy courses are excellent preparation for law, business and many other professions. 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 more successful 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 a social system 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. program in Philosophy, Law and Ethics (PLE) 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)

Julie Simon, 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.

Minor Requirements

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)
GVPP 362 Media and Government (3)
HIST 390 Film and History (3)
WRIT 211 Popular Writing (3)
Special topics courses, as appropriate

PROFESSIONAL WRITING, EDITING & PUBLISHING 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 (6)

ENGL 323 Writing, Editing & Publishing (3)
ENGL 390 Syntax, Semantics & Style (3)

Three of the following (9):

CMAT 211 Computer Graphics: Publishing (3)
CMAT 374 Magazine Design (3)
ENGL 321 Argument & Persuasion (3)
ENGL 386 Creative Writing Workshop: Creative Journalism
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 402 Copy Editing & Document Design (3)

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.

Minor Requirements

Applied information technology majors are not eligible for this minor.

Minor Requirements (18 credits)

Required Courses (12 credits)

- COSC 210 Computer Hardware/Software Support (3)
- COSC 310 Fundamentals of Computer Networks (3)
- COSC 332 Fundamentals of Computer Security (3)
- COSC 430 Legal Issues in High-Technology Crime (3)

Electives (6 credits)

Two of the following:

- COSC 312 Administering and Supporting a Network Operating System (3)
- COSC 401 The TCP/IP Protocol Suite (3)
- COSC 432 Information Assurance (3)
- COSC 433 Network Security (3)
- COSC 435 Digital Forensics for Information Technology (3)

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.

Minor Requirements

Applied information technology majors are not eligible for this minor.

Minor Requirements (18 credits)

- COSC 151 Computer Programming I (3)
- COSC 155 Internet Technologies: Mastering the Basics (3)
- COSC 251 Computer Programming II (3)
- COSC 324 Designing for Humans (3)
- COSC 351 Object-Oriented Programming (3)
- COSC 453 Advanced Web Development (3)

COURSE DESCRIPTIONS

Identifying General Education Courses

In the online [Course Descriptions](#), each course that may be used to satisfy a General Education requirement is designated using the following coding system (codes are in **BOLD**):

WRIT English Composition

MATH Mathematics

Arts and Humanities

ENGL Literature

CMAT Oral Communication

HIPL History or Philosophy

ART Fine Arts

SOSC Social and Behavioral Sciences

GSCI Biological and Physical Sciences

For further information about the University's General Education, see the [University-Wide Degree Requirements](#) section of this catalog as well as the description of your degree program.

Other courses may have been designated as meeting General Education requirements since the printing of this catalog; please contact your academic adviser for more information.