



BOSTON
ARCHITECTURAL
COLLEGE

SUMMER 2017



CONTINUING EDUCATION CATALOG

Certificates + Individual Courses

CONTINUING EDUCATION: CERTIFICATES AND INDIVIDUAL COURSES

The Boston Architectural College (BAC) is a fully accredited nonprofit college that has been educating architects and designers for more than 125 years. In addition to traditional degree programs, the BAC also offers an enriching Continuing Education (CE) program with a variety of individual courses, as well as certificate programs in Digital Design and Visualization, and Sustainable Design. Students have the opportunity to grow their knowledge, expand their professional profiles, and develop new skills.

The BAC's continuing education community is comprised of individuals diverse in age, occupation and experience, enriching each class with fresh perspectives. Practicing design professionals enhance their skills or earn required Continuing Education credits; certificate students prepare to start a first, or recently discovered career, and design enthusiasts take individual courses for pleasure.

Whether onsite or online, every CE course provides an opportunity to learn from practicing professionals who are leaders in their fields. Students taking onsite classes benefit from our evening and daytime offerings, our vibrant, urban location, and our proximity to local design firms, galleries, upscale interior showrooms, and more. For students participating in online classes and programs, our instructor-led courses generate ongoing academic conversations.

CE students are encouraged to enroll directly into courses via the BAC's website. For additional information on course offerings and certificate programs, you may visit <http://the-bac.edu/> or contact Continuing Education.

CONTINUING EDUCATION CONTACT INFORMATION

EMAIL: ce@the-bac.edu

MAIN PHONE: 617-585-0135

MAILING ADDRESS:

Registrar's Office
Boston Architectural College
320 Newbury Street
Boston, MA 02115

Beverly Verla, Registration Coordinator

DIRECT PHONE: 617-585-0103

PHYSICAL ADDRESS:

Student Services Suite
951 Boylston Street
Basement Level
(Accessed by the Elevator Only)

CERTIFICATE PROGRAMS

DIGITAL DESIGN AND VISUALIZATION CERTIFICATE

The Certificate Program in Digital Design and Visualization allows students to build expertise in computer-based design technologies and learn skills relevant to the evolving trends of current-day design practices. Graduates of this certificate are equipped with the latest software applications and knowledge for use in the design technology work environment.

Four classes are required to complete the certificate. To fulfill this requirement, students select from any of the courses offered in the area of Digital Design and Visualization. Eligible courses are listed here: <http://the-bac.edu/academics/certificates-and-individual-courses/digital-design-and-visualization>. Within this Catalog, the eligible courses offered this term can be found in the Digital Media and Media Arts sections.

SUSTAINABLE DESIGN GRADUATE CERTIFICATE

The BAC's Sustainable Design Certificate is the oldest academic credential in this subject in the United States. It includes a flexible range of courses from The Sustainable Design Institute.

To earn the certificate, students must complete six courses in the program and maintain a cumulative B- average. Certificate course requirements can be found here: <http://the-bac.edu/academics/certificates-and-individual-courses/the-sustainable-design-institute/sustainable-design-certificate>.

The Sustainable Design Institute offers over 30 eight-week, online, graduate-level courses in sustainable design principles and practices. A bachelor's degree is required for enrollment in the certificate program. Students who do not have a bachelor's degree should contact us.

CERTIFICATE PROGRAM ENROLLMENT

To enroll in a current BAC Certificate Program, the following enrollment materials are required. Please submit these enrollment requirements to Continuing Education in the Registrar's Office.

DIGITAL DESIGN & VISUALIZATION CERTIFICATE

Enrollment Requirements:

1. [Certificate Enrollment Form](#)
2. \$50 Non-refundable Enrollment Fee

SUSTAINABLE DESIGN GRADUATE CERTIFICATE

Enrollment Requirements:

1. [Certificate Enrollment Form](#)
2. \$50 Non-refundable Enrollment Fee
3. Official Undergraduate or Graduate Transcript

ADDITIONAL INFORMATION FOR CERTIFICATE STUDENTS CAN BE FOUND BY VISITING [CURRENT CERTIFICATE STUDENTS](#).

REGISTRATION AND FINANCIAL INFORMATION

REGISTERING FOR COURSES

Students are encouraged to register online for Continuing Education courses. The online registration portal (Self-Service) may be found via the BAC's website: <https://selfservice.the-bac.edu/selfservice/Home.aspx>. All returning students should have login information. Questions regarding login credentials may be directed to the BAC's helpdesk at help@the-bac.edu or 617.585.0191. New students should create an account within the database.

After accessing their accounts, students should select the Register for Courses tab, and select Continuing Education Registration. Students may search for courses either by course number or semester. Once the desired course has been located, it may be added to the student's cart. The student may then select additional courses, or finalize the registration. Please note that select courses carry pre-requisite requirements. Only those students that have met the pre-requisite requirement or have obtained permission from the BAC, may enroll in a course without meeting the pre-requisite requirement. Payment in full is due at the point of registration.

In addition to online registration, students may also submit a registration form to Continuing Education through email or in-person. The [CE Course Registration Form](#) can be found on the BAC's website, and may be submitted via email to ce@the-bac.edu or in-person at our office in the Student Services Suite.

FINANCIAL AND POLICY INFORMATION

TUITION AND FEES

Full payment of tuition and fees is required at the time of registration. Pricing information is available on the BAC's website. Payments may be made online by credit card and electronic check. Students utilizing a third party payment vendor, such as VA Benefits or a private loan company, should contact Continuing Education prior to enrolling.

DISCOUNTS

Graduates of BAC degree and certificate programs may take Continuing Education courses at 50% of the current price. Individuals 60 years of age or older receive a discount of 10% on tuition for courses. Discounts cannot be applied electronically via Self-Service. Students eligible for a tuition discount need to complete and return the [CE Course Registration Form](#) with payment information included.

DROPPING A COURSE OR WITHDRAWALS

Students wishing to drop or withdraw from a course must do so by submitting a request in writing to Continuing Education by the published deadlines on the [Academic Calendar](#). Non-attendance in a course does not constitute a withdrawal or course drop.

REFUNDS

Refunds are processed upon the submission of an [Add/Drop form](#), and pro-rated based on when the request is received by the Registrar's office. Courses may be dropped with no financial penalty prior to the start of classes. After the first class, refunds are processed based on the published refund schedule. Only those courses dropped prior to or during the published Add/Drop period are considered eligible for a refund. Courses dropped after the drop period has ended are considered withdrawals. Refunds are not permitted for withdrawals. Refunds are issued within 2–3 weeks, will appear in the same mode as the original payment, and are subject to a \$25.00 non-refundable fee. For specific refund percentages and policies, please visit the "Certificate & Non-Degree Students" section on our [Tuition Refund Policies](#) page.

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DIGITAL MEDIA

DME2017: ILLUSTRATION: INFORMATION GRAPHICS

This course introduces digital image editing as an element in the design process. It discusses general topics such as conceptual graphic design and design communication, as well as specific skills in model photography, drawing reproduction, image adjustment and digital computer skills. Students use Adobe Photoshop, Illustrator and InDesign in the solution of design and communication problems. Graphic layout and presentation critiques will be continuous throughout the semester. This course will assist students in the production of well-conceived, well-designed portfolios and presentation graphics in design studio.

1.5 Credits, Lecture, \$960

Section	Time	Day	Dates
AC	2:00-5:00pm	Tuesday	Jun. 5-Jul. 29

DME2034: RHINO I: 3D DESIGN

Rhino is among the most influential software to emerge in the community of academic and professional architectural practice. Due to its efficiency and economy of performance, it is currently in use by numerous design firms small and large. With roots in marine engineering, the target output is digital model construction. The relative strength of Rhino lies in its close command-line relationship with the AutoCAD interface widely in use in the architectural and design industry. This allows the flattened world of two-dimensional construction drawings to be realized in three-dimensional form. Utilizing a minimal number of guide polylines, students will construct digital models that range from relatively simple to complex. The mathematical concepts of lofting, sweeping, cutting, splitting, and Boolean operations will be addressed as well as methods of curve construction such as slicing, sectioning, and continuous contours.

1.5 Credits, Lecture, \$960

Section	Time	Day	Dates
IZC	Online	Online	Jun. 5-Jul. 29

DME2042: AUTOCAD I: 2D DRAFTING

This course in computer-aided drafting introduces the basic concepts and operation of AutoCAD, emphasizing two-dimensional computer-aided drafting concepts, conventions and documentation production. The course provides hands-on instruction in AutoCAD. Students will have to complete weekly assignments, which will require approximately three hours of work to be completed outside of class, plus short readings. This course covers AutoCAD for windows only.

1.5 Credits, Lecture, \$960

Section	Time	Day	Dates
IZC	Online	Online	Jun. 5-Jul. 29

DME2063: AUTODESK REVIT: RESIDENTIAL DESIGN

This course will offer an introduction to creating and managing a BIM (Building Information Model) using Autodesk Revit. It will also facilitate in the greater understanding of Building Information Modeling as it pertains to the industry as a whole. Using Revit as a tool, the course will teach the fundamentals needed to effectively produce and manage a “working” BIM, in terms of design and constructability. The course will also teach some finer points of the program and how they can be used to develop the BIM further. Please note: Revit requires the Windows Operating System to run; students will need to have access to Windows in order to use Revit.

1.5 Credits, Lecture, \$960

Section	Time	Day	Dates
IZC	Online	Online	Jun. 5-Jul. 29

DME2074: GRAPHIC DESIGN

This course offers students the opportunity to practice the visual problem-solving of graphic design, engaging them in learning modules developed to build upon the core basics (DME 2017), and tailored to complement their concurrent architectural studies. Exercises and discussions will utilize the elements of typography, composition, grid, and the understanding of graphic

design as a practice for generating communication-based solutions. Processes will focus on multiple page editorial layout, display, site-specific environmental installation, as well as wayfinding.

1.5 Credits, Lecture, \$960

Section	Time	Day	Dates
AC	2:00-5:00pm	Thursday	Jun. 5-Jul. 29

MEDIA ARTS

ART2003: FREEHAND DRAWING

This course uses exercises in still life and figure drawing to expose students to various ways of seeing and of engaging the world through visual representation. Students learn to draw form, objects, and human bodies in their surroundings. Explorations include positive and negative space, edges and contours, and the effects of light and shadow. Students are expected to maintain and develop a sketchbook by drawing from observation at least once a day. Media used might include pencil, charcoal, pen and ink, and pastels.

3 Credits, Lecture, \$1,920

Section	Time	Day	Dates
AC	7:15-10:15pm	Mon/Wed	Jun. 5-Jul. 29
BC	7:15-10:15pm	Tue/Thu	Jun. 5-Jul. 29

DME2002: DESIGN PERSPECTIVE DRAWING

This course introduces students to both freehand and mechanically generated perspectives. The initial sessions will discuss historical concepts from the renaissance before engaging in plan, elevation and section perspectives. The course will end with the study of alternate vanishing points, and the development of rendered shades and shadows. Students will develop one and two-point perspectives, and interior and exterior views.

1.5 Credits, Lecture, \$960

Section	Time	Day	Dates
AC	7:15-10:15pm	Tuesday	Jun. 5-Jul. 29
BC	7:15-10:15pm	Thursday	Jun. 5-Jul. 29

DME2009: ON-SITE PHOTOGRAPHY

This course is intended for designers and other interested individuals to learn, explore and understand the uses, issues and problems of photography in the field. Students will explore photography as a means of documenting and explaining the built environment. Projects may include photographing historic buildings with public and private, interior and exterior spaces. Special techniques such as panoramas and time-lapse photography could be explored for conveying space, flow, and time. Some class meetings will involve field trips and local travel will be necessary to complete photography assignments.

1.5 Credits, Lecture, \$960

Section	Time	Day	Dates
AC	4:00-7:00pm	Monday	Jun. 5-Jul. 29

DME2022: PHOTOSHOP – DIGITAL IMAGING AND EDITING I

This course is an introduction to digital image editing using Adobe PhotoShop. Discussions will begin with basic techniques such as using the toolbox, making and saving selections, photo retouching, applying color, adding text, and using layers. Students will then move into layers, masks, copying and pasting, and digital montages. Exercises in class will be complemented by group discussions of completed assignments.

1.5 Credits, Lecture, \$960

Section	Time	Day	Dates
AC	7:15-10:15pm	Monday	Jun. 5-Jul. 29

SUSTAINABLE DESIGN

SUS2007: SUSTAINABLE DESIGN AS A WAY OF THINKING

This course traces the history of the sustainable design movement then introduces its primary tenets using the LEED Rating System as the organizing structure. Readings in the course are drawn largely from Environmental Building News. Online discussions are designed to acquaint the students with the language, philosophy, and principles of sustainable design. This course examines the underlying principles of sustainability and design. The class focuses on environmental sustainability and thought processes that can help professionals design a more sustainable world. Major aspects of environmental building that will be addressed include energy efficiency, building materials, indoor environmental quality and land use. Ways of evaluating the sustainability of the built environment are discussed including the LEED™ rating system.

1.5 Credits, Lecture, \$1,539

Section	Time	Day	Dates
IZC	Online	Online	Jun. 5-Jul. 29

SUS2013: MULTIPLE URBANISMS: DIVERGENCE OR SYNERGY

In recent years, numerous theories about sustainable community design and planning have emerged. New urbanism, landscape urbanism, ecological urbanism, sustainable urbanism are just a few to mention. Each one of them espouses new ideas and principles; some of them even issue manifestos. How different actually are these urbanisms? Does one preclude the other? How do we, as design professionals, navigate this maze with a clear compass? This course reviews the most current among these approaches, their basic tenets and positions. Students will apply observations derived from the comparison of urbanist theories and movements to sample urban and suburban sites, and draw conclusions about the sustainability of alternative planning approaches. Course discussions and assignments are aimed at establishing sound and well informed professional approaches.

1.5 Credits, Lecture, \$1,539

Section	Time	Day	Dates
IZC	Online	Online	Jun. 5-Jul. 29

SUS2018: THE ZERO-ENERGY HOME: WHAT, HOW AND IF

As fuel prices and global energy security fluctuate, strategies for designing zero energy homes need to be investigated. A Zero Energy Home is currently a goal and ever present in the media, but not yet accomplished at the level of our technical potential. We will explore the various definitions of Zero Energy and understand the implications of the term within several contexts: bioregional, local, and site constrained. The various energy loads being counted towards the absolute of Zero will be explained, as well as the design opportunities to reduce them. The occupant's behavior and habits in the home are critical to the successful energy outcome, and feedback opportunities and data from case studies will be presented and examined. Metrics of consumption, peak load, and annual use will be presented and compared. The principles of orientation, thermal envelope, renewable energy systems that produce (positive), as well as mechanical, electrical and ventilation systems that consume (negative) will be explained and investigated for both case studies and theoretical projects for exploration.

1.5 Credits, Lecture, \$1,539

Section	Time	Day	Dates
IZC	Online	Online	Jun. 5-Jul. 29

HISTORIC PRESERVATION

HSP2013: HERITAGE DOCUMENTATION

This course introduces students to the Historic American Building Survey (“HABS”), Historic American Engineering Record (“HAER”), and Historic American Landscape Survey (“HALS”) documentation program(s) administered by the National Park Service in partnership with the Library of Congress, the American Institute of Architects, American Society of Landscape Architects, and the American Society of Civil Engineers. Students will learn the research and documentation methodologies; and associated technology and standards required for these programs. The students will work as a team to develop a submission to the National Park Service for acceptance and archiving into the Library of Congress collection(s). The team submission will also be entered in national competitions when applicable. We have the added advantage of a ten day residency

in the Hudson Valley based at the Calvert Vaux designed Hoyt House ("The Point") site, designed in 1855. The house is currently under renovation and that process will also be a topic of study for students during their residency.

This course will also have an onsite component at Hoyt House in Staatsburg, NY from June 16-25th.

In addition to course tuition, there will be an additional fee of \$790 to cover housing and other course related travel. For more information please visit: <http://the-bac.edu/experience-the-bac/news-and-events/news/hoyt-house-visit>.

3 Credits, Lecture, \$1,920

Section	Time	Day	Dates
1ZC	Online	Online	Jun. 5-Jul. 29

HSP2016: NEW YORK STATE HISTORY: ARCHITECTURE AND SOCIETY

The structure of this course will address three primary regions of New York State: The Hudson Valley, New York City and Western New York, with an emphasis on the first two. We have the added advantage of a ten day residency in the Hudson Valley based at the Calvert Vaux designed Hoyt House ("The Point") site, designed in 1855. The house is currently under renovation and that process will also be a topic of study for students during their residency. The house design is an important element in Vaux's body of work and aspects of the landscape design foreshadow aspects of Vaux and Olmsted's design of Manhattan's Central Park. The location of the Hoyt House in the Hudson Valley will facilitate field trips to other historic architectural sites in the area as well as field trips via train from nearby Poughkeepsie to Manhattan (an approximately 90 minute train ride), as outlined below. Note that the Hudson Valley field trips will focus on residential design while the New York City field trips will emphasize commercial and public use architecture.

This course will also have an onsite component at Hoyt House in Staatsburg, NY from June 16-25th.

In addition to course tuition, there will be an additional fee of \$790 to cover housing and other course related travel. For more information please visit: <http://the-bac.edu/experience-the-bac/news-and-events/news/hoyt-house-visit>.

3 Credits, Lecture, \$1,920

Section	Time	Day	Dates
1ZC	Online	Online	Jun. 5-Jul. 29

LANDSCAPE DESIGN

TSM2033: MATERIALS & METHODS I AND 2

This course is intended to build students' abilities to design and detail landscape architectural projects to benefit their design studio, and ensuing projects in practice.

Students will develop their own details expressing and manifesting the unique conceptual idea of their design. The final project will be the production of a set of landscape architecture construction documents.

The course covers material applications and construction methods in a range of scales and elements, including paving, walls, stairs, ramps, site furniture, railings, fences, lights, decks, bridges, and water features in streetscapes, urban civic plazas, roof gardens and public parks. This includes the research of materials used in landscape architectural construction such as soils, aggregates, asphalt, concrete, masonry, stone, wood, metals, plastic, glass, and others.

The course also investigates the life cycle and cost of landscape materials, how they are selected by criteria of availability, aesthetics, quality, durability, cost efficiency, sustainability and ADA/code compliance, and how materials and methods are described in construction specifications. Students will compare different installation techniques, from traditional to new construction methods.

The course teaches students a variety of construction methods, enabling them to develop their design into actual construction documentation.

3 Credits, Lecture, \$1,920

Section	Time	Day	Dates
AC	4:00-7:00pm	Tue/Thu	Jun. 5-Jul. 29

RESIDENTIAL INTERIORS & INTERIOR ARCHITECTURE

RIN4004: BUSINESS PRACTICES FOR DECORATORS

Through this class, the students will develop their own business plans for private practice and retail options as decorators. Business fundamentals and state and federal requirements will be covered, along with general accounting, marketing, leasing and personnel requirements. Guest lecturers, field visits, and class projects will focus on preparing students for ownership and management of decorating businesses.

1.5 Credits, Lecture, \$960

Section	Time	Day	Dates
1ZC	Online	Online	Jun. 5-Jul. 29

PROFESSIONAL PRACTICE

TSM2018: PROFESSIONAL PRACTICE

In this course, students develop an understanding of the business and practice issues of design professionals in a way that will help them succeed in their own practices. Topics covered include professional services, firm leadership, strategic planning, team building, staff development, standards of professional conduct, marketing, design services contracts, firm and project financial management, legal aspects of practice, risk and liability management, construction administration, and dispute resolution. Students are grouped as "principals" to lead and shape their "firms" by writing a strategic plan, marketing and interviewing for a project, negotiating a contract.

3 Credits, Lecture, \$1,920

Section	Time	Day	Dates
AC	7:15-10:15pm	Mon/Wed	Jun. 5-Jul. 29