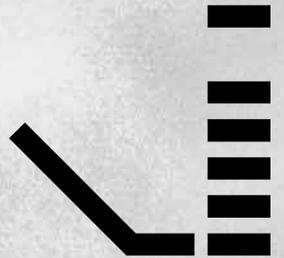




**AIA New York State**  
An Organization of The American Institute of Architects

# The Schools of Architecture in New York State





*The Schools of Architecture in New York State*

is a publication of AIA New York State

50 State Street, Fifth Floor

Albany, NY 12207

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[www.aianys.org](http://www.aianys.org)

AIA New York State is an organization of

The American Institute of Architects

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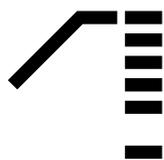
2014

**Georgi Ann Bailey, CAE, Hon. AIANYS**

Executive Director, AIANYS

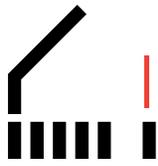
Editor: **Stephanie Quirini**

Director of Communications, AIANYS



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# Introduction

AIA New York State (AIANYS) has put together The Schools of Architecture in New York State, a guide to the most respected schools of architecture located throughout the state. This book will help you become more familiar with the excellent options available to you as you consider architecture as your field of study. The schools have provided all of the basic information on the degrees of architecture their school offers, along with photos of projects students have been working on and an easy to use chart with general information on each school.

If your high school doesn't offer any architecture courses, one way to gain valuable experience is to attend a college summer program. Many colleges offer these programs to introduce young students to the study of architecture.

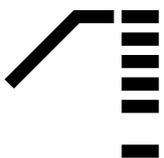
It is also highly recommended that you get involved in a pre-professional organization while in high school. The

largest organization is The American Institute of Architecture Students (AIAS). Membership is open to high school and college students, interns and professionals from any country. For more information, check out the website [www.aias.org](http://www.aias.org).

Deciding to pursue a degree in architecture is a big decision, one that requires careful thought and consideration. We urge you to contact your local AIA chapter (go to the AIANYS website [www.aianys.org](http://www.aianys.org) to find the one in your area). They can put you in touch with architects in your area. Many of the chapter members are more than happy to participate in career days or meet with students to discuss what they do and answer questions. Also many chapters offer financial assistance in the form of scholarships to students interested in studying architecture. Contact your local chapter to find out if they offer financial aid.

We hope this publication will assist you in narrowing down your choices for schools of architecture. In order to help you make the final decision, it is important to visit the campus of every school you are interested in and to meet with someone from the architecture program.

All of the AIA architects in New York State wish you well as you pursue your education and future profession.



Founded in 1931, AIA New York State, has a statewide membership of over 7,000 members in 13 chapters and speaks for the interests of all registered architects in New York State. Its parent organization, The American Institute of Architects (AIA), is a nationwide, member-based organization.

*The primary functions of AIA New York State are public awareness to increase the public's general knowledge and awareness of architecture and the role architects play in the built and planned environment; and government affairs to monitor state legislative and regulatory activities to promote and enhance the profession of architecture, those who practice, and to ensure the health, safety and welfare of the public it serves.*

There are currently 10 schools in New York State offering NAAB accredited professional programs in architecture. Those 10 schools plus schools who offer non-NAAB accredited architectural programs are included in this book.

### **THE AMERICAN INSTITUTE OF ARCHITECTS**

1735 New York Avenue, NW  
Washington, DC 20006  
1.800.AIA.3837  
202.626.7300  
www.aia.org

### **AIA NEW YORK STATE**

50 State Street, Fifth Floor  
Albany, NY 12207  
518.449.3334  
www.aianys.org

### **NATIONAL COUNCIL OF ARCHITECTURAL REGISTRATION BOARDS (NCARB)**

1801 K Street, NW, Suite 700K  
Washington, DC 20006  
202.783.6500  
www.ncarb.org

The National Council of Architectural Registration Boards protects the public health, safety, and welfare by leading the regulation of the practice of architecture through the development and application of standards for licensure and credentialing of architects.

NCARB is a diverse, high-performing team consisting of the Board, volunteers, and staff working in concert with our Member Boards to fulfill our mission. NCARB is universally recognized as the global leader of architectural regulation through its exemplary standards, credentialing requirements and reciprocal licensure processes, and consummate customer service. To that end, their strategic goals are:

- **Facilitate Licensure:** NCARB programs are catalysts for the early pursuit, achievement, and ongoing maintenance of professional licensure.
- **Foster Collaboration:** NCARB's collaboration with collateral and related organizations leads to a sustained, action-oriented dialogue to identify and address significant issues that impact the profession and the health, safety, and welfare of the public.
- **Centralize Credential Data:** Active and ongoing participation by Member Boards in NCARB's information systems provides the preferred platform for interns and architects to efficiently manage their credentials.

### **NATIONAL ARCHITECTURAL ACCREDITING BOARD (NAAB)**

1101 Connecticut Ave, NW, Suite 410  
Washington, DC 20036  
202.783.2007  
www.naab.org

The National Architectural Accrediting Board (NAAB) is the sole agency authorized to accredit professional degree programs in architecture in the United States. Since most US state registration boards require any applicant for licensure to have graduated from a NAAB-accredited program, obtaining such a degree is an essential aspect of preparing for the professional practice of architecture.

While graduation from a NAAB-accredited program does not assure registration, the accrediting process is intended to verify that each accredited program substantially meets those standards that, as a whole, comprise an appropriate education for an architect.

The curriculum of a NAAB-accredited program includes general studies, professional studies, and electives, which together comprise a liberal education in architecture. The curriculum ensures that graduates will be technically competent, critical thinkers who are capable of defining multiple career paths within a changing societal context.

Mission: The NAAB develops and maintains a system of accreditation in professional architecture education that is responsive to the needs of society and allows institutions with varying resources and circumstances to evolve according to their individual needs.



**THE CITY COLLEGE OF THE CITY  
UNIVERSITY OF NEW YORK**

138th Street and Convent Avenue  
New York, New York 10031  
212.650.7118  
Fax: 212.650.6566

Dean: George Ranalli

The Bernard and Anne Spitzer School of Architecture gives equal emphasis to design excellence, technical knowledge and a clear understanding of the human experience and the community context. The City College's Architecture programs are dedicated to the understanding of the complex systems of the city's urban fabric and a desire to make the city work well for the people who live and work there. The location of the School in Manhattan allows for direct access to a vibrant and exciting urban resource, which the program uses to the fullest extent. The Architecture program leads students through the artistic, technical, intellectual and social process of designing buildings, communities and open spaces. Faculty and students pursue diverse social, political, and philosophical agendas as the projects emerge in the studio promoting intense discussion and debate. It is the School's intention to foster the widest range of possibilities in the interpretation of an architectural discourse with students, faculty, alumni, and the profession at large. Topics such as sustainable and environmental factors, our civic landscape, construction technology, theories of public and familial interaction, and a new aesthetic sensibility in the evolution of the architectural presence of buildings will mark just some of the topics pursued at City College.

**PROGRAMS OF THE SCHOOL**

**Bachelor of Architecture:** the first professional degree; a 5-year program.

**Master of Architecture I:** Three year, six semester program directed to students who have completed their baccalaureate in another field and to

students with a non-professional baccalaureate degree in architecture.

**Master of Architecture II:** one year, three semester program directed at students who already hold a first professional degree in architecture.

**Master of Landscape Architecture:** A three-year program directed to students who have completed their baccalaureate in another field.

**Master of Landscape Architecture II:** A one year post professional degree for those with a previous degree in the field.

**Master of Urban Planning (Urban Design):** completion of first professional degree in Architecture and one additional year of Urban Design concentration.

**Master of Science in Sustainability in the Urban Environment:** one year, three semester program directed at students who already hold an undergraduate degree.

**THE BACHELOR OF ARCHITECTURE**

This Architecture program is focused on the creation of a sustainable urban environment, concentrating on the design of individual buildings and groups of buildings and spaces, emphasizing the equal importance of design excellence, technical knowledge and a clear understanding and appreciation of human needs and physical context.

The undergraduate architecture program is comprised of the following components:

- Years one and two offer a general education in liberal arts and sciences as well as a series of studio design workshops, digital media, and history-theory courses that serve as an introduction to the sustainable processes of change and design in the physical fabric of the past, present and future urban environments.

- Years three and four are devoted to concentrated professional education in architecture comprising four parallel interrelated groups of courses: design, history-theory, construction technology and structures, in addition to a series of special topic elective courses. Sustainability is an over-arching theme.

- Year five is focused on advanced studies in architecture including an independent comprehensive design project, professional management, and a series of special topic electives emphasizing independent investigations and judgment.

**MASTER OF ARCHITECTURE I**

The Master of Architecture 1 (MArch I) program is a three-year, six semester program directed to students who have completed their baccalaureate in another field.

The M.Arch I curriculum is dedicated to investigating the union of architectural form and thought. It understands architecture as the meeting ground between public and private expression and sees the city as its preeminent site. The program seeks to impart mastery of the fundamental skills and ideas necessary for the practice of architecture in the 21st Century. The principal medium for this is the design studio. Nourished by courses in technology, environment, history, and theory, students will undertake problems of growing complexity over the three years of the program. The program includes both required courses and a substantial number of electives.



Students can use these options both to reinforce work in the studio and to pursue their own special interests within the field.

The master of architecture I program is comprised of the following components:

- A four semester core taught by our full-time faculty and two advanced studios taught by visiting critics from outside of the school.
- In the first semester students explore the fundamentals of architecture with special emphasis on the relationship between building and site in a non-urban context. Through the investigation of landform and climate as well as the social dimensions of dwelling, architecture is explored as a negotiation between cultural and natural environments.
- In the second semester students are introduced to the urban context and address a small to medium-scale institutional building. Through the study of building precedents and site visits, students address the role of architecture in the public realm.
- The third semester focuses on building systems integration, structural systems and technical documentation. In this comprehensive design studio students develop a building from schematic design through the construction documents phase.
- The final studio in the four semester core focuses on sustainable housing. Here emphasis is placed on the research of urban and building precedents as well as on the use of environmental modeling and visualization tools to measure and integrate complex data into housing solutions.
- The two final studios in the six semester sequence address advanced topics in architectural design and are organized around the research of the distinguished architects who teach them.

## MASTER OF ARCHITECTURE II

The Master of Architecture II (MArch II) program is a one-year, three semester program directed at students who already hold a first professional degree in architecture and who wish to deepen their design abilities and expand their knowledge of contemporary theory, technology, and environmental systems. The program is completed in three consecutive semesters, fall, spring and summer. The three studios in the sequence provide in-depth studies of architectural problems that seek to integrate the forms, ideas, and technologies that anticipate construction. Projects may also explore the far boundaries of the discipline of architecture, participating in the research behind its continuing reinvention. Students will have the opportunity to take a number of elective courses. These may be selected from among those offered in the programs of the School as well as from other institutions in the CUNY system, including the Graduate Center. Students are strongly encouraged to seek those points of juncture between architecture and related disciplines that are most meaningful to their individual development as scholars and practitioners.

## MASTER OF LANDSCAPE ARCHITECTURE

Grounded in the understanding that landscape processes are social, cultural and environmental, the landscape architecture program at the City College of New York situates students at the forefront of sustainable landscape practices, using New York City as a

laboratory. The masters program offers an accredited professional education in Landscape Architecture, which prepares students to participate effectively and responsibly in the design of the regional and metropolitan urban landscapes, with an emphasis on promoting environmental justice and social equity. The program includes a three-year Master of Landscape Architecture first professional degree for students with no prior training in the field, and a year-long Master of Landscape Architecture post-professional degree for those with an undergraduate degree in the field. The faculty provides diverse perspectives on the landscape design process, encourages students to explore the range of potential in the Landscape Architecture profession and fosters design excellence for the regeneration of the urban environment.

## MASTER OF URBAN PLANNING (URBAN DESIGN)

The graduate program in Urban Design is a one year, two semester program intended for students with professional degrees in architecture and landscape architecture although exceptions are made for appropriately qualified applicants from other disciplines. The program investigates the form and meaning of the city and its future. At the core of the curriculum is the design studio, which intensely engages a sequence of problems ranging from abstract studies, to a project for a major New York City site, to work on a city abroad. In recent years, the program has traveled to Wuhan, Nueva Loja (Ecuador), Johannesburg, Hanoi, Havana, and Nicosia, as well as Biloxi

and New Orleans. Three additional courses are required each semester. These are organized under the rubrics of ecology (both environmental and social), reading (strategies for urban analysis, including cinema and ethnography), and the history of urban space. Faculty includes Marta Gutman, David Harvey, Lily Hoffman, Cindi Katz, Setha Low, Grahame Shane, Neil Smith, Michael Sorkin (director) and Sharon Zukin. The program maintains close ties with the CUNY Graduate Center and is the sponsor of a variety of lectures and symposia, including the annual Lewis Mumford Lecture, inaugurated by Jane Jacobs in 2004. The mood is frankly visionary and the program is deeply committed to the practices of urban and planetary amelioration.

## MASTER OF SCIENCE IN SUSTAINABILITY IN THE URBAN ENVIRONMENT

An interdisciplinary program offered in the Bernard and Anne Spitzer School of Architecture, The Andrew Grove School of Engineering, and the Division of Science, the program's core curriculum lays a foundation in sustainability values, strategies and metrics through coursework in urban and natural systems, environmental economics and industrial ecology. Graduates will ultimately develop leadership and teamwork skills that will give them an advantage in diverse professional settings where interaction and collaboration among teams of scientists, engineers, architects and others are commonplace.





**COLUMBIA UNIVERSITY**

**GRADUATE SCHOOL OF  
ARCHITECTURE, PLANNING,  
AND PRESERVATION**

400 Avery Hall  
1172 Amsterdam Avenue  
Columbia University  
New York, New York 10027  
212.854.3510  
www.arch.columbia.edu

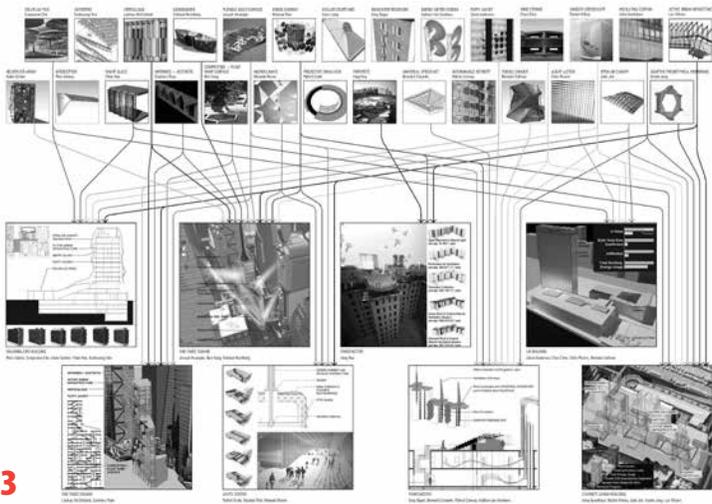
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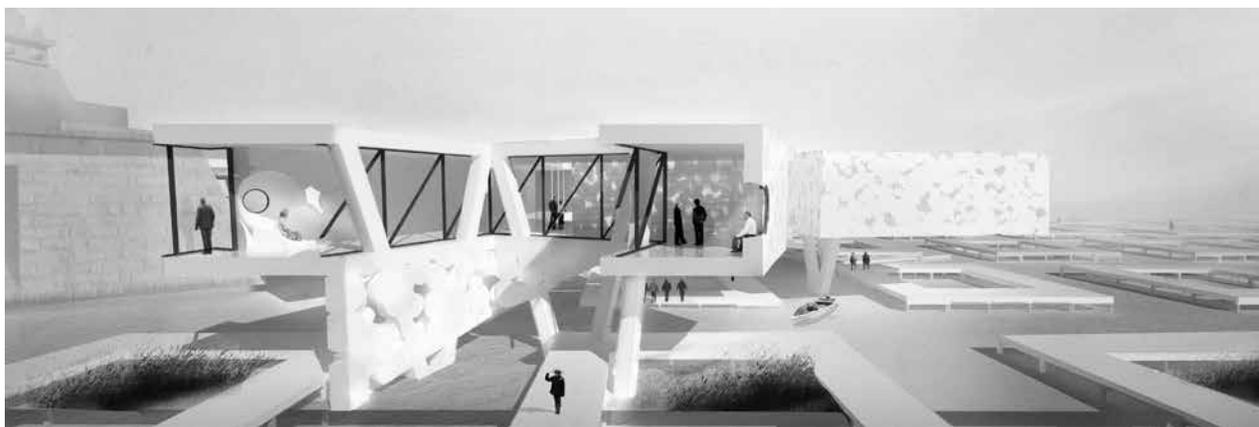
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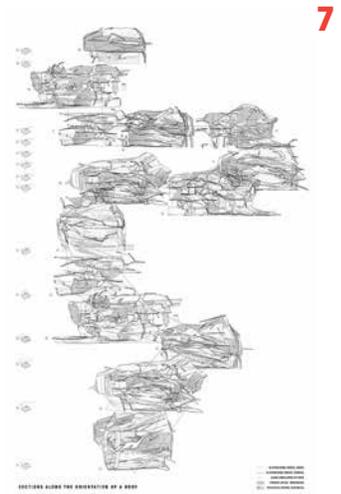
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- 1 Jordan Carver, Leigha Dennis, "Mass Housing," Michael Bell, critic
- 2 Leigh Salem, Louis Koel, "Value/Values?," Charles Eldred, critic
- 3 "Columbia Building Intelligence Project," C-BIP, Scott Marble, Laura Kurgan, David Benjamin, critics
- 4 Shaikha A Mmubarak, Max Núñez, Michael Holt, "The Dictionary of Received Ideas," Enrique Walker, critic
- 5 Mike Robitz, "Reconfiguring Liberty Island," Marc Tsurumaki, critic

- 6 Jason Roberts, "The Museum of the (Culinary) Arts of the Diaspora," Joaquim Moreno, critic
- 7 George Valdez, "Atmosphere," Phil Parker, critic
- 8 Luisa Mendez, "Atmosphere," Mark Rakatansky, critic
- 9 Dan Baciuska, Andy Vann, "Hunters Point South," Robert Marino, critic
- 10 Nico Weiss, "Made for Rio: Operational Armatures," Keith Kaseman, critic
- 11 Lindsay Kunz, "Natural, Alien," Mark Wasiuta, critic



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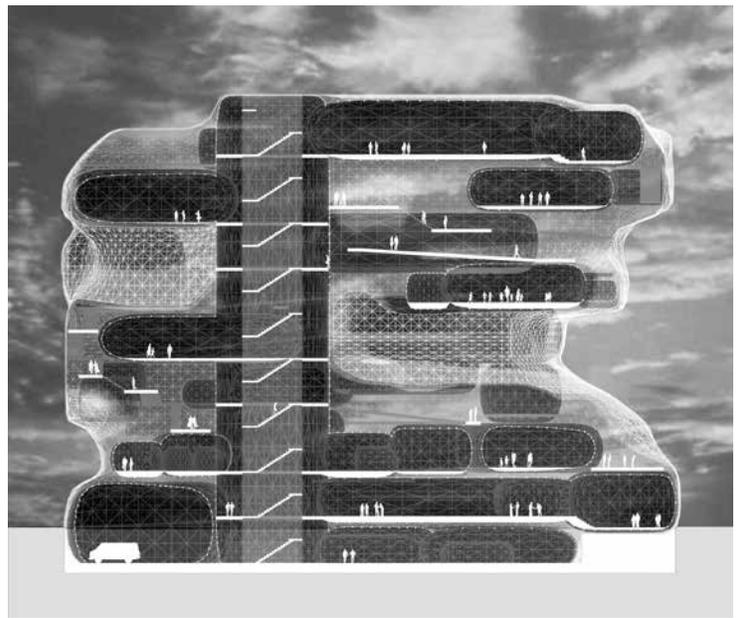
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11



## THE COOPER UNION

### THE IRWIN S. CHANIN SCHOOL OF ARCHITECTURE OF THE COOPER UNION

Cooper Square  
7 East 7 Street  
New York, New York 10003  
212.353.4220  
Fax: 212.353.4009  
www.cooper.edu

Acting Dean:  
Elizabeth O'Donnell, RA, AIA

The mission of The Irwin S. Chanin School of Architecture is to provide for its students the finest professional education available within an intellectual environment that fosters and expands their creative capacities and sensibilities and establishes the foundation for a productive professional life. The school is committed to the belief that one of society's prime responsibilities is toward learning and education in the deepest sense: that the exercise of individual creativity within a willing community is a profoundly social act. Fundamental to the mission of the school is the maintenance of a creative environment in which freedom of thought and exploration can flourish, where students can investigate and utilize their individual talents, interests, and modes of working, to their highest potential.

The Bachelor of Architecture curriculum is designed to prepare students for a rich array of opportunities in the profession, offering a broad cultural and intellectual foundation in the liberal arts as they relate to the design of the environment at all scales. The discipline of architecture interpreted in the widest possible sense as a cultural practice is the basis for a fully rounded education at the undergraduate level. Students develop their knowledge and design skills within a framework of studios and courses that stimulate research and debate into the nature and role of architecture as a cultural practice with broad social and environmental implications. At a time when the nature, role, and scope of the architect is rapidly assuming new directions and dimensions, in both the social and technological domains, the school emphasizes the principles of design and their underlying human values, while preparing students to respond positively to change. The program seeks to engender a strong sense of the responsibilities of service and leadership, teamwork and individual creativity, essential to the development of ethical professionals dedi-

*The Foundation Building, Photo by: Leo Sorel*



cated to interpreting and constructing the social, spatial and cultural needs of the community.

The Master of Architecture II post-professional degree program extends the vision and intellectual rigor of the undergraduate program and allows a further development of the school's preeminent position in the education of architects. It is a design research, post-professional degree open to applicants with a first professional degree in architecture, offering concentrations in one or a combination of three areas: theory, history and criticism of architecture, urban studies and technologies.

The school's faculty includes many figures eminent in architectural design, theory, and scholarly research that bring distinction to the school. The full-time and proportional-time faculty provide continuity while the many adjunct and visiting faculty allow for fresh views and concepts that enrich the program and allow it to respond to the rapidly changing contemporary conditions of practice.

The spirit of the design studio informs and permeates the entire school, and students value its intensity. All students in the School of Architecture are

provided individual workspace on the third floor of the historic Foundation Building. In the studios, students work together as a community of individuals, openly sharing and exchanging information, ideas and creative work. The first through fourth years share a single large studio and the fifth year thesis class and the graduate students work in smaller studio spaces. In this way a unique environment fostering cross-fertilization between classes and individual students is maintained.

The five-year Design sequence of the undergraduate curriculum is carefully structured to introduce the student to the principles of architectonics, and the investigation of program and site, structures and environmental and building technologies, in a comprehensive and integrated curriculum. The studios comprise an introduction to the basic elements of form, space and structure; complex institutional design problems in their urban context; and a year-long thesis that demonstrates the student's ability to synthesize a comprehensive understanding of architecture in society. The traditional and essential skills of drawing, modeling, and design development are complemented by a full investigation of the analytical and critical uses of digital

technologies. The study of world architecture and urbanism is deepened by the understanding of individual cultures, environmental and technological issues at every scale. The theory of the discipline, past and present, is investigated through the close analysis of critical texts including the theory and practice of related arts such as public art, film and video. The position of the School of Architecture together with the Schools of Art and Engineering and the Faculty of Humanities and Social Sciences offers a unique opportunity for interaction and interdisciplinary research and experience.

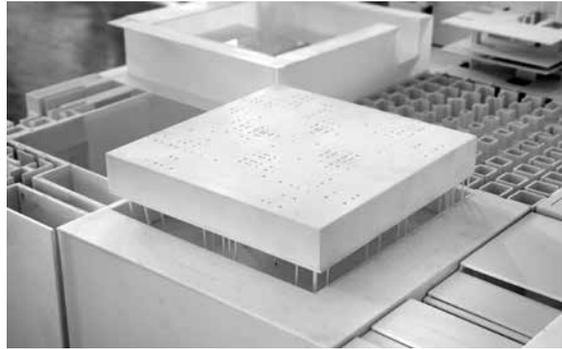
An outstanding all-college sculpture shop jointly administered by the School of Art and the School of Architecture is located on the fourth floor of The Foundation Building. Integral to both the program and pedagogy of the School of Architecture, the shop is equipped for projects in wood, metal, plastics, plaster and clay, and includes a bronze casting foundry.

The Cooper Union Library houses over 100,000 book and periodical volumes, subscribes to several hundred current periodicals, maintains collections that include visual and historic materials, and provides access to a wide variety of electronic resources. The Library's Visual Resources Collection is comprised of DVDs, videotapes, 16mm films, digital images, slides, maps and blueprints. In addition, The Cooper Union Library is a member of a consortium of academic libraries which includes room-use and borrowing privileges at New York University's Bobst Library and the libraries of the New School University.

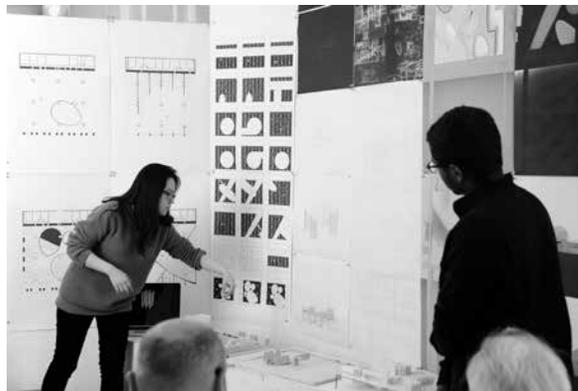
The School of Architecture Computer Studio supports a design curriculum that recognizes the use of computing as an instrument of practice and urges students to explore its formal and cultural implications. Students have access to additional computing facilities throughout The Cooper Union that offer digital research, design and production capabilities to investigate the formal and philosophic possibilities of computing in architecture.



*Master of Architecture II – Thesis Exhibition, Fall 2013*  
Photo by: Patrick McElnea



*Design II - Parametric Typology & Topological Displacement*  
Photo by: Patrick McElnea



*Design III - Library Analysis Review*  
Photo by: Patrick McElnea



*Design III - Library Analysis Review*  
Photo by: Patrick McElnea

## B.Arch Curriculum:

Courses	Credits	
	Fall	Spring
<b>First Year</b>		
ARCH 111 Architectonics	4	4
ARCH 114 Freehand Drawing	3	3
ARCH 115 History of Architecture I	3	3
ARCH 118 Computer Applications and Descriptive Geometry	2	2
ARCH 103-4 Calculus/Analytical Geometry	3	3
FA 100R Intro to Techniques	1	1
HSS 1 The Freshman Seminar	3	
HSS 2 Texts and Contexts		3
<b>Second Year</b>		
ARCH 121 Design II	5	5
ARCH 122 Structures I	2	2
ARCH 125 History of Architecture II	3	3
PH 165-6 Concepts of Physics	2	2
HSS 3 The Making of Modern Society	3	
HSS 4 The Modern Context		3
<b>Third Year</b>		
ARCH 131 Design III	5	5
ARCH 132 Structures II	2	2
ARCH 133 Introduction to Urban History and Theories		2
ARCH 134 Environmental Technologies	3	3
ARCH 135 Building Technology	2	2
Electives	4	2
<b>Fourth Year</b>		
ARCH 141 Design IV	5	5
ARCH 142 Structures III	2	2
ARCH 143 Construction Management	1	1
Electives	7	7
<b>Fifth Year</b>		
ARCH 151 Thesis	6	6
ARCH 152 Structures IV	2	
ARCH 154 Professional Practice	1	1
ARCH 205/225 Advanced Concepts/Topics	2	2
Electives	4	6

Total Credit Requirement for BArch Degree 160

Admission to the program is based solely on merit. The application deadline is January 1 for freshmen and transfer students. Applicants must complete a HOME TEST as part of the application process. More detailed information can be found on The Cooper Union website, [www.cooper.edu](http://www.cooper.edu). All inquiries should be directed to the Office of Admissions and Records, 30 Cooper Square, New York, NY 10003, e-mail: [admissions@cooper.edu](mailto:admissions@cooper.edu).



**CORNELL UNIVERSITY**

**DEPARTMENT OF ARCHITECTURE**

[www.aap.cornell.edu/arch](http://www.aap.cornell.edu/arch)

Gale and Ira Drukier Dean of  
Architecture, Art, and Planning:  
Kent Kleinman

Department Chair:  
Mark Cruvellier

Director of B.Arch. Program:  
James Williamson

Director of M.Arch. Program:  
Caroline O'Donnell

Director of Graduate Studies:  
Jonathan Ochshorn

Director of Undergraduate and  
Graduate Admissions:  
Maureen Carroll

**ADMISSIONS**

Undergraduate Admissions Office  
College of Architecture, Art,  
and Planning  
Office of Undergraduate Admissions  
235 Sibley Dome  
Cornell University  
Ithaca, NY 14853  
607.255.4376  
Fax: 607.254.2848  
[aap.cornell.edu/admissions/](http://aap.cornell.edu/admissions/)  
Email: [aap\\_admissions@cornell.edu](mailto:aap_admissions@cornell.edu)

Graduate Admissions Office  
Department of Architecture  
Graduate Admissions  
235 Sibley Dome  
Cornell University  
Ithaca, NY 14853  
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[aap.cornell.edu/admissions/](http://aap.cornell.edu/admissions/)  
Email: [arch-grad-info@cornell.edu](mailto:arch-grad-info@cornell.edu)

The Department of Architecture at Cornell University is part of the College of Architecture, Art, and Planning (AAP), one of seven schools on the Ithaca campus. Studies in the Department leading to professional degrees are intended to provide a thorough grounding in the history, theory, and practice of architecture. The core curriculum is implemented by faculty from a variety of fields including architectural design, history of architecture and urbanism, architectural theory, architectural technology, architectural representation, and landscape architecture. An important feature of the program is its relatively small size, fostering a sense of intellectual community essential to teaching and research. Students are also required to pursue coursework in other teaching units of the university in order to broaden their awareness of various arts and sciences, and to help them locate architecture's position within the vast range of human knowledge. Offerings in the Department and College, along with the colleges of Arts and Sciences, Human Ecology, Johnson Graduate School of Management, and Agriculture and Life Sciences are commonly integrated into a rich program of undergraduate or graduate study.

**B.ARCH. DEGREE PROGRAM  
(PROFESSIONAL)**

The undergraduate professional B.Arch. degree program typically takes five years to complete and is designed particularly for people who have established their interest and motiva-

tion to enter the field directly from high school. It therefore incorporates both a general and professional educational base. The program is oriented toward developing the student's ability to deal creatively with architectural problems on analytical, conceptual, and developmental levels. The sequence courses in design, consisting of studio work augmented by lectures and seminars, are the core of the program. Sequences of studies in the history of architecture and urbanism, culture and society, architectural theory, visual representation, environmental systems and sustainability, structures, and building technology provide a base for the work in design.

In the first three years, the students have the opportunity to establish a foundation in the field. During the fourth and fifth years, this base may expand through more advanced studies within specialized areas of the curriculum. The structure of the program incorporates considerable flexibility for the individual student to pursue his or her particular interest through the Rome and NYC programs, summer travel programs, and on-campus upper level studios.

**M.ARCH. DEGREE PROGRAM  
(PROFESSIONAL)**

Cornell's M.Arch. program is a seven semester course of study that equips its graduates for leadership careers in architecture within today's globally expansive and technologically dynamic context. Courses in design, history,

theory, sustainability, emergent technologies of representation and fabrication, and global urban studies aim to engage the unique strengths of the graduate student.

A rigorous core program (located mainly in Ithaca but also including a required semester in New York City, where students especially benefit from a connection with Cornell's active and committed alumni) is followed by diverse courses of specialization, including option studios (located in Ithaca, but engaging and occasionally traveling to various locations around the world). The program also prepares students to teach and research in their fields of specialization. M.Arch. students exhibit a wealth of cultural and academic backgrounds, as the program is open to applicants possessing a bachelor's degree in any area.

**M.ARCH. II DEGREE PROGRAM  
(POST-PROFESSIONAL)**

Cornell's post-professional Master of Architecture is an intensive advanced design research program. Open to individuals holding a B.Arch. or professional M.Arch. degree, the three-semester program provides a framework for investigating pertinent design concerns, practices, and technologies in contemporary architecture and urbanism. A structure of core and elective studios and courses allows students to pursue trajectories of inquiry within one of three interrelated territories of investigation: Architec-



ture and Discourse (theory, criticism, publishing, cultural production, design research, history and contemporaneity), Architecture and Ecology (sustainable practices, soft infrastructures, materials research, machinic prototypes, extreme structures) and Architecture and Urbanism (urban geography, typological studies, urban theory, networks, infrastructures, urban imaging, ecological urbanism).

Interdisciplinary in intent and content, the program engages the wealth of academic resources in the Department of Architecture and across Cornell University. The initial summer semester of the program takes place at the College's New York City center and draws upon an unmatched range of practitioners and critics within the metropolis; the final fall and spring semesters are held at Cornell's Ithaca campus.

### **M.A. / PH.D. DEGREE PROGRAM IN HISTORY OF ARCHITECTURE AND URBAN DEVELOPMENT**

The History of Architecture and Urban Development (HAUD) program at Cornell is situated within Cornell's Graduate School and draws upon faculty and resources from both AAP's Department of Architecture as well as from other departments in the University.

This program offers a doctor of philosophy (Ph.D.) as well as a master of arts (M.A.) for students entering the Ph.D. track without the necessary academic prerequisites. Students engage in a sophisticated blend of interdisciplinary research and scholarship, as the program provides a site for intellectual exchange between artists, critics, designers, historians, planners, preservationists, those studying visual culture, and many others. Projects, lectures, and publications produced by the HAUD group showcase the diverse range of topics and methodologies embraced by the field. The number and stature of awards, fellowships, and conference invitations HAUD students receive underscore the vitality of the program.

### **CORNELL IN ROME**

Cornell in Rome has been hosting undergraduate students in Italy since 1986. The program is led by faculty from the Department's Ithaca campus along with internationally renowned Italian and European architects and scholars, and enriched by field trips throughout Italy. Students often cite their Cornell in Rome semester as the most memorable of their undergraduate education. The program's semester-long curriculum consists of design studios and courses in areas such as Italian culture, architectural history and theory, city planning, and fine arts. Studios and living facilities are situated in the historic center of Rome, only minutes from such landmarks as the Pantheon and Piazza Navona.

### **AAP NYC**

The College of AAP's program in New York City offers students a unique opportunity to live and study for one semester in one of the most vital urban centers in the world. Study at AAP NYC is an option for bachelor of architecture students and mandatory for professional and post-professional master of architecture students. Supplemented by urban excursions and social and professional networking opportunities, the undergraduate and graduate student semesters in New York City play a key role in a Cornell architecture education. AAP NYC offers a full roster of courses enriched by New York City's unique artistic, historical, and cultural resources and by the Department's extensive alumni network of noted professionals, who frequently teach and serve as guest critics and mentors.

### **MILSTEIN HALL**

Since its opening in 2011, Milstein Hall has been transforming the education and training of future generations with its facilities, resources that stimulate inventiveness and interaction, and the surrounding outer spaces created by its addition. Designed by Rem Koolhaas and OMA, the 47,000-square-foot building includes 25,000 square feet of flexible studio space that connects to both Rand and Sibley halls, and a 250-seat, state-of-the-art auditorium that functions as a central events location within the college.





## NEW YORK INSTITUTE OF TECHNOLOGY

### SCHOOL OF ARCHITECTURE AND DESIGN

Old Westbury, New York 11568  
516.686.7659  
Fax: 516.686.7921  
www.nyit.edu/architecture

Dean: Judith DiMaio, AIA  
Associate Dean: Frank Mruk,  
AIA, RIBA

Department Chairs:  
Robert Cody AIA LEED AP -  
Old Westbury  
Matthias Altwicker AIA LEED AP -  
Manhattan  
Martha Siegel - Interior Design  
Jeffrey Raven AIA LEED AP -  
Urban and Regional Design

The Mission of the School of Architecture and Design is to provide a design and technology based professional education that enables leadership in the profession and within the community. Three Core Values, or specific educational aspirations, guide the approach of the School.

**Design Intelligence** refers to broad based skill and intellectual rigor earned by completing a challenging curriculum in design that emphasizes individual creativity, an appreciation of history, culture, and the contributions made by architects to the art and science of building.

**Building Technology** establishes the importance of technology as a part of education in architecture and is made manifest in a well-developed curriculum in structures, environmental systems, sustainability and building construction. Course work is often carried out with hands-on exercises.

**Leadership** is an attribute of character that is cultivated in many aspects of a student's education, including the inclusion of program-wide team projects that demand cohesive interaction and establishment of clear organizational structures to achieve project goals. The School actively supports applications-oriented research through their **SLAB (Student-led Architecture-Build)** projects that benefit the larger world.

The NYIT School of Architecture and Design offers five degree programs and a wide array of concentrations. All students admitted to the undergraduate architecture program enter the Bachelor of Science in Architecture Technology (B.S.A.T.) program and undertake a two-year common core curriculum. This curriculum includes design studios and architectural history courses, as well as liberal arts courses such as English composition, math, physics, behavioral science, economics, fine arts, and social science. After successful completion of the core curriculum, students may continue in the four-year B.S.A.T. program, apply for admission to the five-year Bachelor

of Architecture (B.Arch.) program, or graduate with an Associate of Applied Science in Architectural Technology (A.A.S.) degree.

**The Bachelor of Architecture** degree is a five year, 160 credit degree which provides the successful candidate with a first professional degree accredited by the National Architectural Accrediting Board. The NAAB-certified B.Arch. degree leads to New York State licensure plus reciprocal licensure in all states except California.

**The Bachelor of Science in Architectural Technology** is a four year, 131 credit non-professional degree that permits the successful student to gain a license to practice architecture in the state of New York. Students in the B.S.A.T. program can pursue concentrations Construction Management, Facility Management, Project Management, and Sustainability Management. Each of these concentrations communicates the construction industry's political, financial and theoretical foundations, but are taught using with the same tools currently used in thriving professional offices.

NYIT also offers a **Master of Architecture in Urban and Regional Design (MAURD)** degree. This is a three-semester, 36-credit, post-professional degree for those holding a Bachelor in Architecture or Landscape Architecture degree. The program's three advanced design studios address urban and regional design with focus on integrated strategies across urban sectors, sustainability, and resilient communities in the context of their region. These studios explore the relationship of design across spatial scales, in ways that consider the impact of such intervention on interdependent human settlements. The graduate program is located in the heart of midtown Manhattan, a world capital, drawing from world-class faculty, public-private organizations, and active professionals leading global practices based in the New York City metropolitan area.

**The Bachelor of Fine Arts in Interior Design (B.F.A.)** degree is 131 credits and is accredited by the Council for Interior Design Accreditation (CIDA). It prepares students for the rewarding challenges of designing in the 21st century by creating globally engaged, environmentally sensitive professionals who possess artistic sensibility, intellectual ability, and hands-on technical proficiency. The coursework prepares the Interior Design student for a lifelong process of interdisciplinary exploration, reflection and development and an acute understanding of the built-environment.

The School of Architecture and Design enjoys an international reputation for its **Summer Abroad Programs**. Every summer NYIT offers three programs to a variety of locations such as China, France, India, Italy, Germany, Spain, Greece, and Turkey. Students come in contact with foreign students and architects, enabling them to understand first-hand the range, diversity, and power of cities and spaces different from their own. Summer abroad course credit can be applied to a student's specific curriculum and field of study.

High school juniors or seniors, or professionals considering a career change, will find NYIT's four-week summer program **Exploring Architecture** a great option for getting a start on an architectural education. It takes place in studios overlooking Central Park and Columbus Circle, in the heart of one of the world's most famous urban environments. Lectures, walking tours, office visits, and exhibition visits introduce students to design practice, theory, and history. Studio sessions challenge students with an intensive introduction to the fundamentals of design, while also building skills in architectural drawing, modeling, and presentation. Portfolio-making and career choice workshops prepare students for future opportunities. Credits earned in the Exploring Architecture Program may be applied toward an NYIT degree.



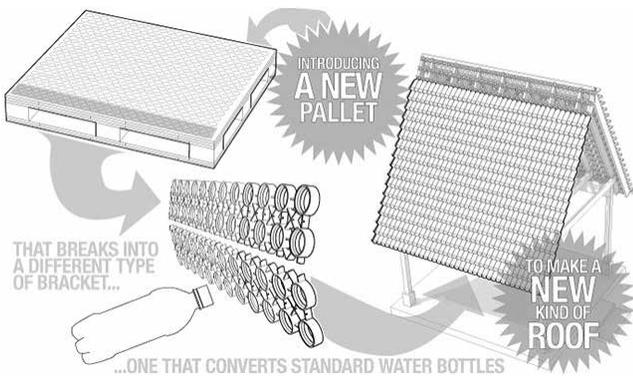
sLAB Recycling Center Nosara, Costa Rica



sLAB Recycling Center Nosara – Under Construction



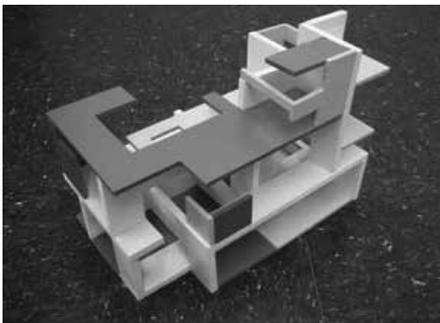
Student Workshop – Summer Abroad



Home20 – Bottle Roof Disaster Relief Project



Chair Design – Salone Satellite Milan Furniture Fair



Studio Design Projects





**PARSONS THE NEW SCHOOL  
FOR DESIGN**

**SCHOOL OF CONSTRUCTED  
ENVIRONMENTS (SCE)**

25 East 13th Street  
New York, New York 10011  
212.229.8955  
Fax: 212.229.8937  
The New School for Design  
School of Constructed  
Environments (SCE)

Dean: Brian McGrath

Directors:

Andrew Bernheimer, Master of  
Architecture

Alexis Kraft, Bachelor of Fine  
Arts Architectural Design and  
Interior Design

Derek Porter, MFA Lighting  
Design

Jonsara Ruth, MFA Interior Design

Rama Chorpash, MFA Product  
Design

Johanne Woodcock, AAS Interior  
Design

**PROGRAMS**

The School of Constructed Environ-  
ments offers the following degree  
programs:

**MASTER OF ARCHITECTURE**

The graduate Architecture (M.Arch)  
program focuses on a wide range of  
contemporary issues directly affecting  
architecture. The activation of site and  
programmatic forces; the social com-  
mitment of design; the interdisciplin-  
ary nature of architecture; tectonic and  
material methodologies; infrastruc-  
tural, natural, and sustainable systems;  
and digital and analog representation  
are seen as fields of potential for archi-  
tectural investigation. Design, history,  
theory, technology, and representation  
are taught to encourage experimenta-  
tion with the logics of building as they  
are understood within a multifaceted  
and diverse cultural and environmen-  
tal milieu.

The Parsons SCE M.Arch program is  
accredited by the NAAB.

**DESIGN WORKSHOP**

The Design Workshop is widely recog-  
nized as one of the nation's premier  
design/build programs. With faculty  
guidance, students complete the de-  
sign and construction, from schematics  
to punch list, of a medium-scale  
project for a nonprofit client. Since  
its inception, The Design Workshop  
has embodied the progressive educa-  
tional agenda for which Parsons and  
The New School University are famous:  
extending education beyond the con-  
fines of the academy, developing prac-  
tices that improve both the social and  
the physical environment, and bridg-  
ing the gap between theoretical and  
embodied learning. The Design Work-  
shop is open to students from both the  
M.Arch and all other programs at SCE,  
and it is the only design-build program  
in the New York metropolitan area and  
the only urban design-build program  
in the country.

**MASTER OF FINE ARTS IN  
LIGHTING DESIGN**

This two year Master of Fine Arts de-  
gree program educates lighting de-  
signers by offering strong foundations  
in the technical, intellectual, and aes-  
thetic components of lighting design.  
The curriculum reflects the concern  
that physiological and psychological  
needs are central to all lighting design  
projects and encourages students to  
understand their critical engagement  
in the built and natural environments.  
In their last semester, lighting students  
share electives and interdisciplinary  
projects with graduate students in the  
architecture program.

**MASTER OF ARCHITECTURE +  
MFA IN LIGHTING DESIGN DUAL  
DEGREE**

This dual degree offers the fully ac-  
credited M.Arch degree plus the MFA  
LD degree in a 142 credit hour cur-  
riculum that prepares students for  
extraordinary career opportunities in  
the expanding fields of sustainable

architectural design and electroni-  
cally mediated environmental design.  
Light has historically been understood  
as the medium in which architecture  
is apprehended. In addition, electric  
lighting – now increasingly the visible  
result of digital mediation - is emerg-  
ing as a transformative building mate-  
rial as buildings, and even entire urban  
sectors, become information-bearing  
surfaces. Sustainable practices also  
rely heavily on solar exposure and  
creative daylighting energy strate-  
gies which can have profound conse-  
quences on the shape of the built en-  
vironment. Given the poetic, technical,  
formal, and ecological role of natural  
and electronic light in configuring the  
built environment, the study of light is  
a natural complement to the study of  
architecture.

**MASTER OF FINE ARTS IN  
INTERIOR DESIGN**

The MFA program in Interior Design at  
Parsons is uniquely positioned to lead  
the discourse and address the practice



*Diffuse Sky Simulator – SCE Light and Energy Lab*

of interior design in the 21st century. Inaugurated in September 2009, at the very school where formal Interior Design education began in 1906, this graduate program maintains 100 years of history and leadership in the field. The MFA program offers instruction of incomparable depth with links to our other graduate programs in architecture, product design, and lighting design. Our graduates are educated to transform the profession and to teach the next generation of practitioners.

The MFA Interior Design program is accredited by the National Association of Schools of Art and Design. This program fulfills the education requirement which qualifies graduates to sit for the National Council of Interior Design Qualification (NCIDQ) professional licensing exam.

### **BACHELOR OF FINE ARTS IN ARCHITECTURAL DESIGN**

The Bachelor of Fine Arts in Architectural Design is a four-year pre-professional degree that prepares students for careers in architecture, landscape architecture, urban design, exhibition design, interior design, environmental art, and other fields that demand expertise in spatial, digital, ecological, and material design. Using representational means ranging from models to full-scale material constructs to digital animation, students conceptualize and develop architectural schemes to address environmental, cultural, and theoretical concerns.

### **BACHELOR OF FINE ARTS IN INTERIOR DESIGN (BFAID)**

This program builds on the tradition started by Frank Alvah Parsons and developed by its many well-known graduates. Working in close collaboration with the architecture and lighting programs, interior design students study the history and theories underlying contemporary interiors while focusing on materiality, color, and the decorative arts. Students work directly with graduate architecture and lighting



*Parsons Solar Decathlon 2011 - Empowerhouse, Washington, DC.*

students in elective courses which explore these professional relationships and prepare them for direct entry into the professional field.

The BFA Interior Design program is accredited by the National Association of Schools of Art and Design. This program fulfills the education requirement which qualifies graduates to sit for the National Council of Interior Design Qualification (NCIDQ) professional licensing exam.

### **BACHELOR OF FINE ARTS IN PRODUCT DESIGN**

Through immersion in materials, fabrication processes, aesthetic consideration, and proactive social engagement, Parsons Product Design BFA cultivates the essential intellectual habits and technical skills students need to explore and responsibly integrate the swiftly expanding roles of a successful, professional product designer.

### **ADMISSIONS**

Accredited by the New York State Board of Regents and by the National Architecture Accrediting Board (NAAB), Parsons' Architecture pro-

gram offers two professional Architecture degree options. Students with a four-year undergraduate degree in an architecture, architectural design, or non-architecture major pursue a three-year (90 credit) course of study leading to a first professional degree. Students with a four year BS or BA degree in architecture may qualify for Advanced Placement status and pursue a two year (60 credit) M.Arch 1 degree. Preparation for candidacy in the M.Arch program includes completion of one semester each of college level calculus, physics, and the history of art and architecture. A pre-architecture program (Summer Studies in Constructed Environments) is available to students who want to prepare for admissions to graduate study in architecture or who are required by the admissions committee to successfully complete the course in order to enter the program

### **FACILITIES**

The heart of all programs at SCE is the studios – large, open New York City lofts where students develop design projects while they interact with faculty and peers. These studios were designed and renovated by students

of the Design Workshop in 2009. The materials library, Light and Energy Lab, making center (containing 3D printers, laser cutters, and other equipment), and computer labs are all located within the 25 East 13th Street facilities. The school's computer facilities and shops are augmented by a variety of satellite facilities located around the University; students have access to the rest of Parsons and the New School's buildings, classrooms, libraries, and other facilities. The University Center, a new state-of-the-art building designed by the renowned architectural firm SOM, opened in 2014 and is the hub of the New School's urban campus. The University Center contains studios, lecture halls, classrooms, auditoria, libraries, and numerous communal study spaces.

Applicants to the Master of Architecture and MFA in Lighting Design Programs are encouraged to visit the department.



**PRATT INSTITUTE**

**SCHOOL OF ARCHITECTURE**

200 Willoughby Avenue  
Brooklyn, New York 11205  
718.399.4304  
Fax: 718.399.4315

Dean: Thomas Hanrahan

UG Chair: Erika Hinrichs  
GA Chair: William MacDonald  
GP Chair: John Shapiro  
CM/FM Chair: Harriet Markis

The Pratt Institute School of Architecture consists of nine undergraduate and graduate programs in Architecture, Urban Design, Planning, Construction and Facilities Management, Historic Preservation and Urban Environmental Systems. The programs are set within the context of the larger institute's main campus on 25 acres in Brooklyn and a Manhattan campus located on 14th Street and Seventh Avenue. The School of Architecture was formed in 1928 as a three-year certificate program, evolving into the separate programs of Undergraduate Architecture and Graduate Architecture and Planning in 1954. Design education at Pratt reflects the richness and diversity that is possible within a 4,000 student art and design Institute. School of Architecture students receive a rigorous education in their respective disciplines while benefiting from the ability to take courses in related art and design programs in the institute at large.

The programs at Pratt reflect the critical interests of the faculty, the opportunities presented by the city of New York and the vitality and diversity of the student body. Theoretical pursuits in the architecture programs involve cultural studies and experimental design methods, with particular emphasis on creative, interdisciplinary responses to a changing society. All of the programs are urban in orientation, particularly the Graduate Planning program and the Pratt Center for Community and Environmental Development. The School of Architecture is situated primarily in Higgins Hall in Brooklyn, a complex of buildings that includes 60 studio spaces, classrooms, computer centers, a large modeling shop for wood and metal, and lecture and gallery spaces. The computer resources are spread throughout the institute with major laboratories in Higgins Hall and on the main campus. The school publishes an annual journal, *Inprocess*, documenting studio work from the previous year. The Faculty, many of whom are renowned practicing architects, brings to the classroom professional expertise, a strong theoretical base, and the same

high standards upheld in their professional work.

**BACHELOR OF ARCHITECTURE**

The Bachelor of Architecture, the largest program in the School with 600 students, is a 170 credit accredited degree program that stresses both the conceptual and the professional aspects of design. The Undergraduate Architecture program is structured around a three-year core curriculum of design studios and required courses in both architecture and liberal arts, followed by two years of electives and advanced design studios, culminating in a senior year degree project.

**FIRST-PROFESSIONAL MASTER OF ARCHITECTURE**

The First Professional Graduate Architecture program is a three-year, 84 credit program leading to a professional M. Arch degree. This program offers a professional education for students holding a four-year college degree. The program provides them with an exceptional design studio experience that develops a broad range of design skills, as well as courses in advanced technology and history-theory.

**MASTER OF POST-PROFESSIONAL ARCHITECTURE AND URBAN DESIGN**

The Post-Professional Graduate programs in Architecture and Urban Design are specialized three semester programs leading to a non-accredited master degree. These programs allow students with professional undergraduate degrees to develop their own research in design theory, digital architecture and contemporary urbanism, in preparation for a professional or academic career.

**MASTER OF SCIENCE IN FACILITIES MANAGEMENT**

The MS in Facilities Management is a 50-credit evening program designed to prepare individuals to assume executive responsibilities in the management of facilities and equipment as assets to assure a quality environment

and cost-effective investment. These classes are held at the Manhattan campus.

**BACHELOR OF SCIENCE IN CONSTRUCTION MANAGEMENT**

The Construction Management program is a 132-credit evening program that connects management and technology, preparing students to become skilled planners and managers of construction from concept through completion. These classes are held at the Manhattan Campus.

**MASTER OF SCIENCE IN CITY AND REGIONAL PLANNING**

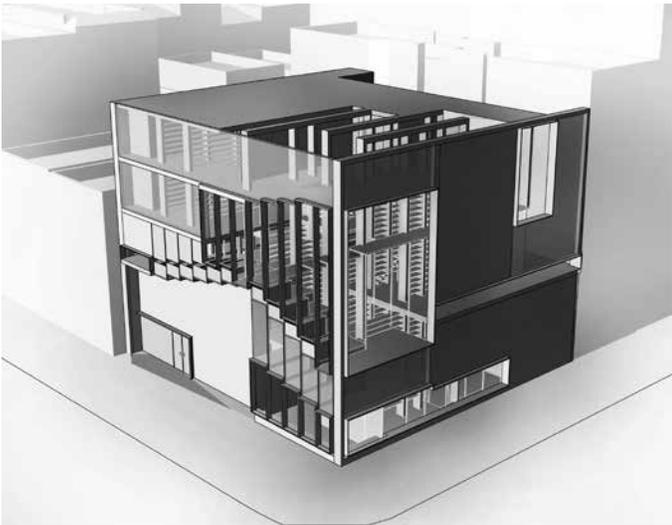
The MS in City and Regional Planning offers a full-time evening program for those who will assume planning and community development roles in public and private agencies. It consists of 60 credits of lecture and studio course work.

**MASTER OF SCIENCE IN URBAN ENVIRONMENTAL SYSTEMS MANAGEMENT**

The Master of Science in Environmental Systems Management is a four semester program and is designed to meet today's increasing demand for environmental professionals who have a holistic understanding of the complex interactions that lead to environmental problems. Students learn to collaborate with multiple disciplines to identify and implement sustainable best practices.

**MASTER OF SCIENCE IN HISTORIC PRESERVATION**

The graduate program in historic preservation is a four semester curriculum leading to a Master of Science in Historic Preservation. The courses provides studies in policy, history, interpretation, design, community planning and regulatory practice; and a studio course concludes the program, culminating in a multidisciplinary proposal.





**RENSELAER POLYTECHNIC  
INSTITUTE**

**SCHOOL OF ARCHITECTURE**

Troy, New York 12180-3590  
518.276.8478  
Fax: 518.276.3034  
www.arch.rpi.edu

Dean: Evan Douglass

Architecture at Rensselaer offers programs in a spectrum of fields, including the Bachelors, Masters and Ph.D. degrees in Architecture and Architectural Sciences, including graduate degrees in Architectural Acoustics, Built Ecologies and Lighting. The undergraduate professional program has distinct character enhanced by the presence of specialist faculty, advanced research projects, and semester-long programs in Italy, India and China, as well as the Center for Architecture Science and Ecology (CASE) program based at Skidmore Owings Merrill in New York City.

**BACHELOR OF ARCHITECTURE**

Our professional programs are designed to leverage a constructive relationship between creativity that projects innovative possibilities and the technologies needed to realize bold ideas. The Rensselaer program synthesizes the art and science of building in pursuit of next-generation buildings in response to a constantly changing world. A culture of lifelong interdisciplinary learning is integral to the curriculum. Knowledge-based courses teach essential concepts and skills that are developed in project-based studios where students learn to manage increasingly complex criteria and sets of pragmatic concerns. A history/theory sequence grounded in critical inquiry provides each student an ability to read and critique design effectively. Progressive instruction in the use of computational design tools, including associative parametric methods, scripting, digital fabrication techniques, structural evaluation and environmental analytics is supported by a state-of-the-art computation and fabrication infrastructure. A robust technology sequence culminates in an interdisciplinary systems-integrated design studio that precedes an independent final project informed by faculty-defined research areas.

Rensselaer's curriculum is built on ecological principles, interdisciplinary and civic engagement, and intel-

lectual diversity. Core courses in Environmental and Ecological Systems offer opportunities to take advanced courses in sustainability or participate in research focused on developing next-generation sustainable building systems at CASE. International study options are unmatched by any school Rensselaer's size.

The polytechnic setting is ideal for a design and technology-driven program. Access to research projects is available through interdisciplinary collaborations with engineering and the arts. The possibility to gain greater in-depth expertise in areas such as Lighting, Architectural Acoustics or Built Ecologies is also afforded through minor and co-terminal degree options.

**RENSELAER ARCHITECTURE  
CAREER DISCOVERY PROGRAM**

This program gives high school students an opportunity to experience first-hand the rigors and rewards of a college-level design studio. It provides specific architectural training and enables students to make informed decisions regarding their college careers. It immerses them in an architectural studio environment that revolves around hard work, collaboration, and camaraderie. Studio work is complemented by lectures and field trips. Lectures discuss the broader context of architectural practice, contemporary projects, and more technical aspects of drawing and model making. Field trips visit seminal works of architecture and museums in the local area, as well as in New York City.

**MASTER OF SCIENCE IN  
LIGHTING**

The MS in Lighting is the premier master's level graduate degree offered in the field of lighting. This multidisciplinary degree allows students to work closely with faculty at Rensselaer's Lighting Research Center (LRC) to study the various disciplines involved in lighting design and research. The program provides a comprehensive,

"hands-on" study of lighting. Course content and curriculum in the MS in Lighting is continually updated to include the latest advances in lighting research, technology, and design to assure that students receive an education on the "cutting edge" of lighting.

The MS in Lighting is geared toward students who wish to gain a broad education in lighting research and design while working closely with LRC faculty. Students completing the MS in Lighting degree can take positions in the lighting industry or in lighting design practice, or consider continuing on to further study in the Ph.D. in Architectural Sciences with a Concentration in Lighting, to prepare for university and/or advanced research careers.

**MASTER OF SCIENCE  
ARCHITECTURAL SCIENCES**

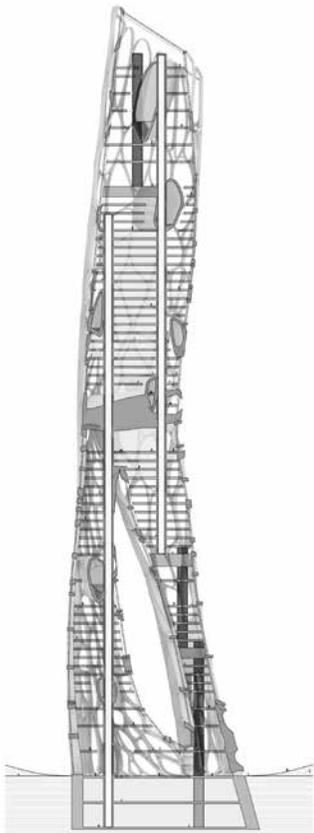
**Concentration in Architectural  
Acoustics**

This 30-credit, one year program involves the design and optimization of interior spaces, wherein the physical sound field of a space and its corresponding aural quality are primarily determined by architectural parameters such as shape, volume, and surface properties. Architectural Acoustics thus encompasses and links many traditionally disparate disciplines: physics, hearing perception, mathematics, computer modeling, engineering, music, psychological and physiological acoustics, cognitive science and electro-acoustics.

Applicants must have a B.A. or B.S. in Architecture, Engineering, Computer Science, Mathematics, Music, Acoustics, or a comparable field.

**Concentration in Built Ecologies**

Built Ecologies is a multidisciplinary and interdisciplinary degree supporting research and scholarship across the many topics arising from the theory and practice of architecture and the built environment. The program prepares students to advance knowl-



edge in the area and applications of integrated technologies that enable a more ecologically based and progressive design of the built environment, increase its performance, and enhance quality of life.

Applicants to this program must have the equivalent of a Bachelor's degree in a related field. Those with other advanced degrees and/or experience (e.g., who have worked in the field) and with keen interest in built ecologies may be considered.

### Concentration in Lighting

The concentration in lighting within the Ph.D. in Architectural Sciences encompasses the many disciplines that make up the field of lighting, bringing them together within the context of scientific inquiry, research, and discovery. Students wishing to concentrate their doctoral studies in lighting will complete at least 30 credit hours of formal course work in lighting and will then concentrate their studies and research in a particular area of scientific inquiry under the guidance of a faculty advisor at Rensselaer's Lighting Research Center (LRC). Areas of research concentration may include, light and health, transportation lighting, solid-state lighting, human factors in lighting, energy efficiency and energy policy, among others. Students may enter the Ph.D in Architectural Sciences with a concentration in Lighting with an existing bachelor's or master's degree or may first enroll in the MS in Lighting and continue on to the Ph.D. degree.

### ARCHITECTURAL SCIENCES, Ph.D.

The Doctor of Philosophy degree in Architectural Sciences is offered to candidates prepared to undertake innovative and substantive research that adds to the body of knowledge drawn on by the design disciplines. The degree is aimed at producing a context for advanced study and research which combine architecture and appropriate areas of science, engineering, and the humanities. The Architectural Sci-



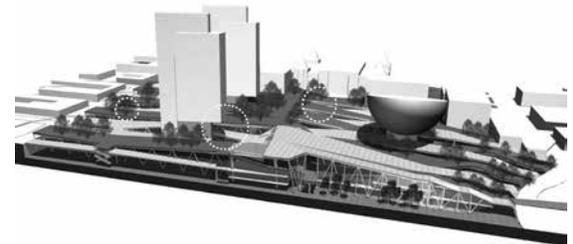
ences doctorate, with concentration areas in architectural acoustics, built ecologies, and lighting, is an inherently interdisciplinary program.

### ADMISSIONS AND FINANCIAL AID

The School of Architecture's admissions decisions are based on a variety of criteria, including: overall academic excellence, creativity demonstrated through work in the arts and other areas, and personal motivation. A portfolio submission is required, and students may have their portfolios reviewed during open house events. The School encourages a campus visit and faculty interview during Admissions visitation days. Prospective freshman and transfer students may contact the Office of Admissions at [admissions@rpi.edu](mailto:admissions@rpi.edu).

Rensselaer offers financial assistance to undergraduate students in the form of scholarships, grants, loans and employment; this assistance is based on the family's financial need as demonstrated by the Financial Aid Form of the College Scholarship Service. Graduate financial aid is available in the form of fellowships and assistantships. Graduate aid is highly competitive and awarded on the basis of merit.

Visit the School on the web at: [www.arch.rpi.edu](http://www.arch.rpi.edu).





**SYRACUSE UNIVERSITY**

**SCHOOL OF ARCHITECTURE**

Main campus  
Slocum Hall  
Syracuse, New York 13244-1250  
315.443.2256  
Fax: 315.443.5082  
<http://soa.syr.edu>

Dean: Michael Speaks  
Associate Dean: Jonathan Solomon

Chair: Timothy Stenson  
Undergraduate Program  
Chair: Jean-François Bédard  
Graduate Program



Founded in 1873, the School of Architecture at Syracuse University is one of the oldest schools of architecture in the United States. Its origins as a department within the College of Fine Art imbued the school with a strong

emphasis on design that has continued into the 21st century. Design studios are complemented by courses in technology, structures, history, and theory, as well as by electives that allow students to explore the arts, humanities, and the social sciences. By synthesizing this broad knowledge base with a rigorous training in professional skills, Syracuse Architecture equips its graduates for successful practice in the contemporary global economy.

The School of Architecture offers two fully accredited professional degree programs: the Bachelor of Architecture (B.Arch) and the professional Master of Architecture I (M.Arch I). The undergraduate B.Arch is a five-year program which requires 162 credit hours, while the graduate M.Arch I is a seven-semester program requiring 110 credit hours. In addition to the professional programs, the School offers a one-year post-professional degree program (M.Arch II Research) focused on advanced research under the direction of the School's faculty.

**BACHELOR OF ARCHITECTURE**

The bachelor of architecture curriculum is organized around a ten-semester sequence of design classes and complemented by a broad variety of available courses in the humanities, arts, and sciences. Three years of core curriculum prepare students for two final years of more self-directed coursework and research, culminating in the development and design of a thesis in the fifth year. The core years are sequentially organized, with each semester building on previous study and relating courses in technology, structures, history, and theory to the design studio.

Students begin architectural design studio in their first semester, with

every individual assigned a personal workspace within the School's extensive studio space. First-year design studios introduce students to fundamentals: new ways of seeing and conceptualizing the built environment. Through a range of design-related exercises, including drawing, analysis, and multi-media works, students learn to create space and form, and to engage context – to produce design. Through design studio and other courses, students are also introduced to architectural history and theory, as well as building technology.

As students advance into second- and then third-year studios, topics of urbanism— landscape, building structure and construction, building environment, as well as the political and social aspects of the discipline—are developed in greater depth through a range of core curriculum classes as they are also integrated into design production. Students are encouraged to develop design methodology and pursue comprehensive synthesis in studio assignments.

During the third and fourth years, students have opportunity to broaden their skills by studying abroad in the School's Florence, London, or NYC programs. In the fourth year they also enroll in an advanced studio, selecting from a group of studios offered by internationally distinguished visiting critics. Throughout the course of study, students make frequent field trips to major cities, beginning in the first year with a trip to New York.

The focus of the fifth and last year of the B.Arch program is the design thesis. Each student chooses his or her own topic of study and method in order to execute a unique design proposal. A Thesis Awards Jury consisting of professionals and professors reviews thesis work for the awarding of school prizes.

**MASTER OF ARCHITECTURE (M.ARCH I)**

The M.Arch I program follows a professional program of study with studio, media, history, theory, and technical courses specifically dedicated to graduate students. The program accepts students with four-year baccalaureate

degrees from accredited colleges or universities in fields other than architecture as well as students with non-professional degrees in architecture that may be admitted with advanced standing.

Research is an integral part of the course of study, from the first year of courses in design, theory, history, media, and technology, to the final semester's thesis project. The program places equal importance on the acquisition of professional skills, knowledge, and expertise as on the necessity for versatility and innovation in the application of design.

Each semester of the graduate curriculum includes a 6-credit design studio. Following four semesters of "core" curriculum, students have the option of studying off-campus in the School's Florence, London, or NYC centers during the fifth semester, and, if space is available, during the sixth semester as well. The focus of the sixth semester, in Syracuse or abroad, is the visiting critic studio. Each semester as many as six studios are taught by a diverse group of prominent practitioners and educators.

**ARCHITECTURE OFF-CAMPUS PROGRAMS**

A significant feature of studying at Syracuse Architecture is the opportunity to study abroad. Programs at the School's Florence, London, and NYC centers provide year-round studio courses in design for students in the third and fourth years of the B.Arch. program and the third year of the M.Arch I program. Studio instruction is by resident Syracuse Architecture faculty and leading practitioners.

The school also offers summer academic travel programs to undergraduate and graduate students through the Syracuse University Study Abroad Program. Past destinations have included Japan, Spain, India, The Netherlands, Ghana, and Brazil.

### VISITING CRITIC PROGRAM

Upper-level students participate in a visiting critic program that brings outstanding architects and scholars from around the world to the school. Students can choose to study with a particular visiting critic in studio courses, where innovative theoretical approaches and design methods are explored. Recent critics include recognized architects such as Dwayne Oyler and Jenny Wu, Jing Liu, Jimenez Lai, David Ruy and Gregg Pasquarelli.

### SUMMER COLLEGE PROGRAM FOR HIGH SCHOOL STUDENTS

The School offers a six-week introduction to Architecture Summer College Program for high school students who have completed their junior year and are considering careers in architecture. Taught by architecture faculty, this program introduces students to the architectural fundamentals of form and space, design thinking, and design media and process. Participants develop a portfolio of creative work that can be used to apply to professional programs. For further information contact the Summer College Office at 315/443-5000.

### LECTURES, EXHIBITIONS, AND SYMPOSIA

The school hosts a series of public lectures by architects, scholars, curators, theorists, and critics who are important contributors to the world of architecture, urbanism, and technology. These frequently complement the series of exhibitions held in the school's gallery, as well as conferences and symposia focusing on a changing series of topics.

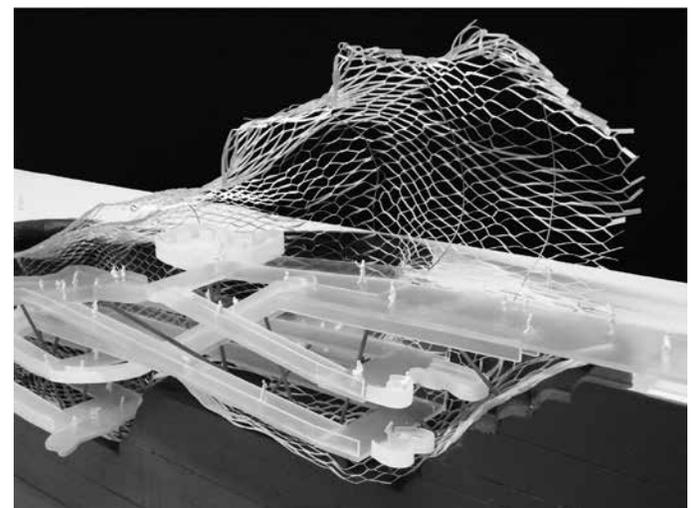
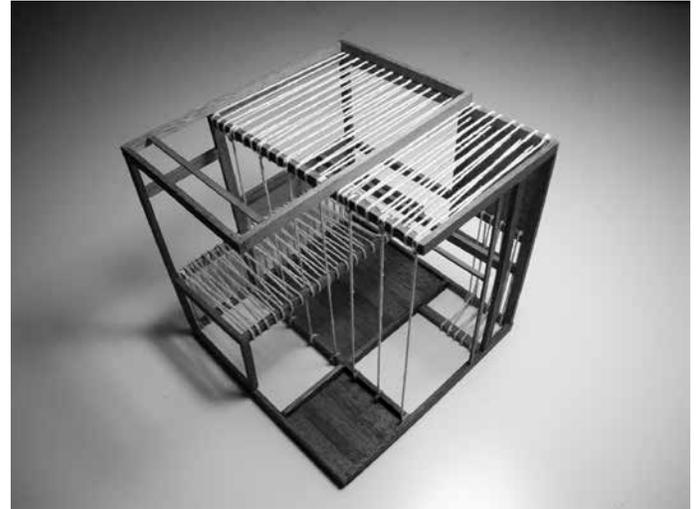
### COMPUTING

The School of Architecture has two CAD computer clusters. Equipment includes 60 Dell PCs connected to their own network and servers. State of the art software is available for a wide range of applications: 2D and 3D drafting; modeling, visualization, rendering and animation; image manipulation; desktop publishing; web page generation; image generation; video production; and mapping. An output room provides an assortment of plotters, printers, and scanners. Digital fabrication equipment includes several 3D printers: a 3D Systems Invision SR 3-D Printer, a Zcorp Zprinter 350 and two Makerbot Replicators; three Universal laser cutters; a Roland CNC mill; and a Formech 450 vacuum former. Required and elective courses range from introduction to the 3D computing environment to digital animation and digital production.

### ADMISSIONS

Syracuse University School of Architecture admissions decisions are based on: overall academic qualification demonstrated through common application to Syracuse University and creative ability evidenced in a portfolio of art and design work. We seek talented, accomplished, and motivated students who will respond eagerly to the school's rigorous, challenging, and rewarding curriculum.

The School encourages prospective applicants to visit the campus, and offers in-person faculty portfolio reviews. For undergraduate application information contact the Office of Admissions and Financial Aid at 315-443-3611. For portfolio information or specific questions regarding our undergraduate architecture program, contact Vittoria Buccina, Director of Undergraduate Recruitment, [vabuccin@syr.edu](mailto:vabuccin@syr.edu), or 315-443-5082. For graduate program information contact Speranza Migliore, Coordinator of Graduate Admissions, [smiglior@syr.edu](mailto:smiglior@syr.edu), or 315-443-1041.





**UNIVERSITY AT BUFFALO  
THE STATE UNIVERSITY  
OF NEW YORK**

**DEPARTMENT OF ARCHITECTURE**

112 Hayes Hall  
3435 Main Street  
Buffalo, New York 14214  
www.ap.buffalo.edu  
archdept@buffalo.edu

Dean: Robert Shibley, FAIA

Chair: Omar Khan



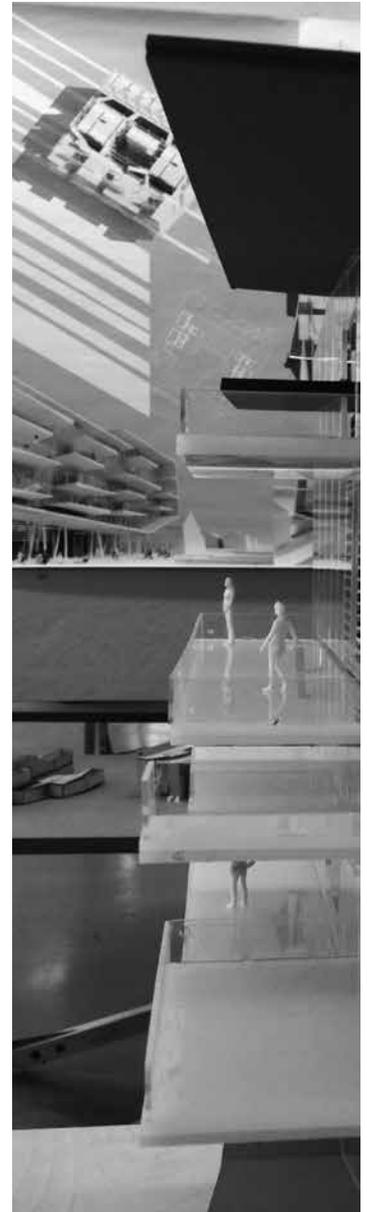
**BACHELOR OF SCIENCE IN  
ARCHITECTURE**

The undergraduate pre-professional BS Arch introduces concepts and skills in the discipline of Architecture. BS Arch students are educated in design, architectural history and theory, environmental and construction systems, digital technologies and aesthetic expression. Goals of the BS Arch include thinking as a designer and understanding Architecture as a way to better our natural and built environments.



**MASTER OF ARCHITECTURE  
(2 YEAR)**

The NAAB accredited two-year MArch degree focusses on the profession of architecture and the challenges it faces in the new millennium. Students study with one or more Graduate Research Groups-Ecological Practices, Inclusive Design, Material Culture, and Situated Technologies- to understand and address architectural issues concerning habitation, sustainability, material systems, emerging technologies and human sociality.



**MASTER OF ARCHITECTURE  
(3.5 YEAR)**

The NAAB accredited three-and-a-half-year MArch degree track recognizes the values and strengths that a wide-ranging education has on the formation of an architect and seeks to build on that platform through its core sequence of design studios and courses. The curriculum is tailored to combine the immersive experience of an architectural education with an advanced understanding of design. There are also opportunities to study abroad, and engage in advanced research.



**MASTER OF SCIENCE IN ARCHITECTURE**

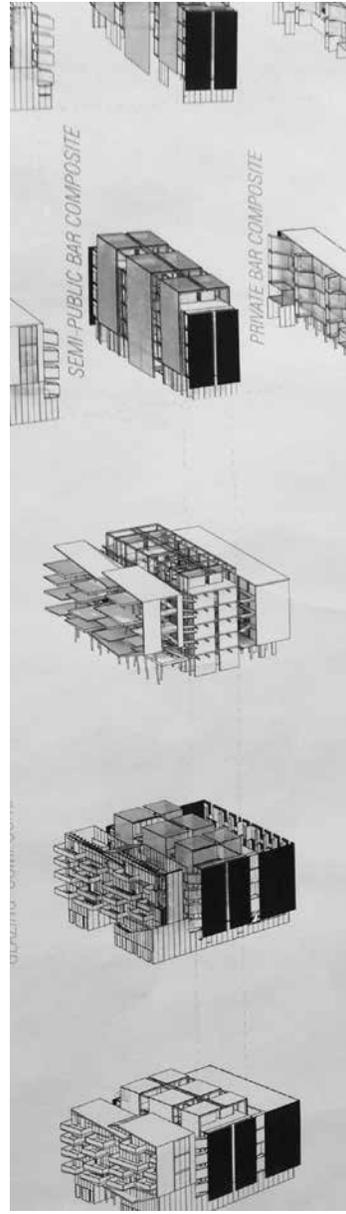
The MS degree track is designed for individuals who are interested in a non-professional degree that engages research in architecture. Areas of concentration include but are not limited to:

- Urban Design & Historic Preservation
- Inclusive Design
- Situated Technologies



**MASTER OF ARCHITECTURE/ FINE ARTS**

Digital media have opened entirely new territories in the field of architecture and transformed the traditional means of project production and delivery. The Department of Architecture and the Department of Media Study offer a dual degree that addresses this rapidly expanding art and design area that requires a critical need for expertise in both architecture and digital media



**MASTER OF ARCHITECTURE/ BUSINESS ADMINISTRATION**

The growing complexity of architectural practice demands managerial and administrative skills that often exceed the traditional training of the architect. Many architectural practices have expanded their range of services to include construction supervision, real estate development, multinational project management, and public-sector consultation. The MArch/ MBA dual degree is intended to provide students with the skills and knowledge necessary to assume responsibilities for these challenges.



**MASTER OF ARCHITECTURE/ URBAN PLANNING**

Architecture and urban planning are fundamentally intertwined as evidenced by the impact of architecture on the urban fabric and the influence of urban planning on architecture. The MArch/ MUP dual-degree program provides integrated learning in both disciplines through joint planning and architecture studios, and through coursework in architecture, urban design and planning



**ALFRED STATE  
SUNY COLLEGE OF TECHNOLOGY**

**DEPARTMENT OF ARCHITECTURE  
AND DESIGN**

School of Architecture,  
Management and Engineering  
Technology  
Engineering Technology Building  
Alfred, New York 14802-1193  
607.587.4696  
Fax: 607.587.4620  
www.alfredstate.edu

Chair: Heinrich Hermann, PhD

Alfred State is a premier residential college of technology within the State University of New York (SUNY) system, with some 3,500 full-time students and 275 faculty and professional staff. It offers outstanding educational opportunities in 74 degree programs. Located in Alfred, in the scenic Southern Tier region of western New York, its academic community also includes Alfred University and the New York State College of Ceramics, both of which our students can cross register courses at. The metropolitan areas of Rochester, Buffalo, and Syracuse are all within a 1 ½ to 2 ½ hours distance. Our students come from New York State, most of the other states, and numerous foreign countries.

The Department also offers a study abroad semester on the Bay of Naples in Sorrento, Italy, in partnership with the acclaimed Sant'Anna Institute – Sorrento Lingue.

**ARCHITECTURE AT ALFRED STATE**

The foundations for architecture at Alfred State were laid over sixty years ago, when the Building Construction Technology curriculum was instituted in 1952 that eventually evolved into today's Department of Architecture and Design. As of 2013 it has been offering four degree programs:

- BArch
- BS in Arch Technology
- AAS in Arch Technology
- AAS in Interior Design

To facilitate applying for seamless transfer from the AAS and BS programs to the BArch, and from the AAS to the BS (both of which require scholastic aptitude and a portfolio review), the coursework of the three architecture programs is shared in the first two years. The studio sequence of the BS and BArch programs continues to run parallel in the third and fourth years.

**BACHELOR OF ARCHITECTURE**

The BArch program is a five-year, 157 credit, full-time undergraduate program. We expect to achieve full accreditation by the NAAB for the 2013/14 freshmen cohort that will graduate in May 2018.

Concentrations are offered in four fields: Interior Design, Digital Media & Animation, Business, and Construction Administration.

At Alfred State, we understand architecture as a highly creative discipline and believe it is imperative for it to serve the larger common good. We see it as accountable above all to humanity's needs for safe and affordable shelter, for frames and stages supporting dignified ways of living, and for psychological anchoring in this world – and corresponding symbolic meaning. Beyond that, it ought to please aesthetically and uplift and inspire.

The BArch program expands on our established strengths in architectural technology and civic engagement and strives to achieve a unique identity by integrating active immersion in the liberal arts/humanities with three additional foci:

1. Vigorous training in design and the poetics of construction – aimed at buildings and environments that inspire and uplift occupants, users, and the contexts they are part of, while manifesting the latent beauty of structural systems and building materials, and integration with nature;
2. Solid knowledge of sustainability, construction technology and integrated project delivery – aimed at buildings that are well constructed, technically sound, use material resources wisely and sustainably, and healthy to live in;
3. Civic engagement and active involvement in urban renewal/social innovation studios – aimed at exploration and advocacy in urban design, historic preservation/adaptive reuse, and housing.

We integrate Building Information Modeling (BIM) - in all programs and at every level - which contributes substantially to the preparedness of our graduates for professional practice.

In response to worldwide environmental challenges, our research program will aim at developing region-specific, sustainable housing typologies and corresponding community design solutions.

The first year serves to introduce students to the discipline both broadly culturally - via general education courses - and more narrowly professionally.

The second year is dedicated to technical development, and general education.

The third year begins to expand to a global view, in the first advanced design studios. By the fifth semester, students choose a concentration in one of four fields: Interior Design, Digital Media and Animation, Business, and Construction Administration. In each of their final six semesters they take one elective course in their chosen field.

The fourth year focuses on urban design/ community involvement, sustainability, and comprehensive design.

The fifth year serves as the synthesis of the Alfred State architecture education. The final advanced studios focus respectively on thesis definition and the independent design thesis that allows students to formulate a complex project supported by department faculty. A palpable sense of poetics of construction, having been nurtured in each preceding semester, is anticipated as strongly evident in the thesis project.

**BS IN ARCHITECTURAL  
TECHNOLOGY**

The four-year program offers graduates a comprehensive architectural education that integrates a philosophically informed view of building design with an applied technical knowledge of construction systems and materials.

The course work of the first two years is shared with the AAS and BArch programs, while the upper-level studio sequence parallels the third and fourth year of the BArch program. It includes courses in design and construction, historic preservation and urban design. The BS program culminates in a capstone design project in the final semester.

### AAS IN ARCHITECTURAL TECHNOLOGY

Shared with the BS and BArch programs, this two-year program emphasizes the fundamental skills and technical competency required for entry-level positions in architecture offices. It is centered on architectural graphics, design methodology, computer applications and building technology, as well as architectural history, the arts, humanities, sciences, and professional practice.

### AAS IN INTERIOR DESIGN

This program is designed to provide graduates with basic knowledge and skills for entry-level positions in the interior design discipline. The program consists of a core graphics sequence and courses in appropriate technical areas. Computer applications are integrated throughout the four semesters with a strong component in 2D and 3D computer graphics.

### RESOURCES

Enriching and supporting our curricula are several materials libraries, a model-making shop, a 3D printing fabrication laboratory, and design studios equipped with state-of-the-art computers running a wide range of office-standard software.

In addition, the Architecture and Design Department supports the 'Poetics of Construction' lecture series and an Alumni lecture series; an Architecture Club affiliated with the American Institute of Architecture Students (AIAS); an allied curriculum offering in Interior Design; an Interior Design Club; the "Southern Tier Architectural Research Center" (STAR Center) for expanding our community based studio projects;



an extensive field trip program for studio courses; and the study abroad semester in Sorrento, Italy. Our ten-person full-time faculty brings to the program a rich background of professional experiences and areas of specialization.





**ROCHESTER INSTITUTE OF TECHNOLOGY**

**GOLISANO INSTITUTE FOR SUSTAINABILITY**

**DEPARTMENT OF ARCHITECTURE**

**MASTER OF ARCHITECTURE PROGRAM**

111 Lomb Memorial Drive  
Rochester, New York 14624  
Phone: 585.474.4990  
Fax: 585.475.4880  
www.rit.edu/architecture

Department Chair:  
Dennis A. Andrejko, FAIA

**PROGRAM OVERVIEW**

Architecture is in a time of great transition. Globalization, political policy making, advanced materials development, and the challenges facing urban environments place great demands on professional architects to be well versed in concepts outside their immediate field, and able to work effectively with professionals from a variety of disciplines.

The Master of Architecture Program is designed for students with a broad range of interests and backgrounds who are interested in studying architecture at the graduate level, but whose undergraduate degrees were obtained in fields primarily outside of architecture. The program's curriculum has been shaped by the global emphasis of sustainability, factors that impact urbanism, the integration of design thought with the built environment and community investigation, and the hands-on application of the principles of design and technology of materials, construction and production.

This Department of Architecture is housed within the Golisano Institute for Sustainability (GIS) that also offers both PhD and Master of Science degrees in sustainability, and has a collaborative partnership with RIT's College of Imaging Arts and Sciences (CIAS).

**PROGRAM INFORMATION**

Our innovative Master of Architecture Program is geared toward preparation for 21st century practice in an increasingly inter-disciplinary and inter-professional world. This program is founded upon the principle that "sustainability" is an integral and requisite part of the practice of architecture, adding to, and enhancing the value of design.

The program emphasizes application and collaboration, and students learn and practice the skills and methods of architecture through the lens of sustainability, graduating with the ability

to contribute meaningfully to a fully sustainable built environment.

Students are also exposed to the results of cutting-edge research in such areas as material aging, clean technologies, alternative energy solutions, pollution prevention, and green product assessment, among other topics currently underway in the Golisano Institute for Sustainability.

**SUSTAINABILITY**

The global emphasis on sustainability, and RIT's commitment to progress in this field now and in the future, forms a fundamental pillar of the Master of Architecture Program. Emerging architecture professionals entering the field from RIT's program will have the opportunity to bring with them a unique perspective on sustainability - with an elevated attention to detail, an increased understanding of high performance buildings and related systems, and a heightened sensitivity around the needs for vibrant, healthy and resilient buildings and communities.

**URBANISM**

The challenges facing our cities are profound, and architecture plays a key role in addressing them. Synergistic urban environments have implications for social, economic, cultural, and environmental health, and RIT's Master of Architecture Program pays particular attention to urban settings and urban principles. The program focuses on the practices and principles of preservation and adaptive reuse, with the city of Rochester serving as an active learning environment.

**INTEGRATION**

Integration of learning and practice are key elements to our Master of Architecture program. The program's design curriculum is well integrated with technical coursework and discussion that extends beyond design concepts. Topics such as construction technologies, material science, and

building systems have huge implications in design; as does public policy, sociology, urban economic development and other non-design concepts. An educational goal of the program is to acquire collective intelligence in a team environment to the benefit of the communities in which structures are built.

**TECHNOLOGY**

Today's architects have incredible technological tools at their disposal. Mastering these tools and understanding technology's implications on their design work are important components of an architect's education. An architecture degree program residing within one of the country's most respected technology universities provides a distinct advantage. The ability to study specialized areas of technology, and the opportunity to collaborate with engineers, computer scientists, imaging scientists and experts in advanced materials provides an educational environment for architects unlike most any other.

**ACCREDITATION**

The Rochester Institute of Technology Architecture Program is, what is often referred to as, a Type I program whereby students enter with a non-architecture related undergraduate degree and normally earn their Master degree with 3+ years of study.

The Master of Architecture Program is approved by the New York State Education Department and was granted candidacy status by the National Architectural Accrediting Board (NAAB) in 2011. Projected year of initial accreditation is 2105/2016.

**CURRICULUM**

Students are required to complete 105 semester credit hours to successfully complete the program. Designed as a full-time program, courses are offered on campus, primarily during the day. The core of the coursework is studio-based design, while technical courses



and electives are predominantly classroom based. Electives can be drawn from GIS as well as courses offered by the colleges of Liberal Arts, Engineering, Applied Science and Technology, Imaging Arts and Sciences, and Business. In addition to three required sustainability courses, students will take one elective with a direct sustainability focus. All students will prepare a thesis during their final year of study.

**CO-OP REQUIREMENT**

Students are required to complete one coop experience. This requirement is usually satisfied over a summer term but can be completed over an extended period of time through part-time employment.

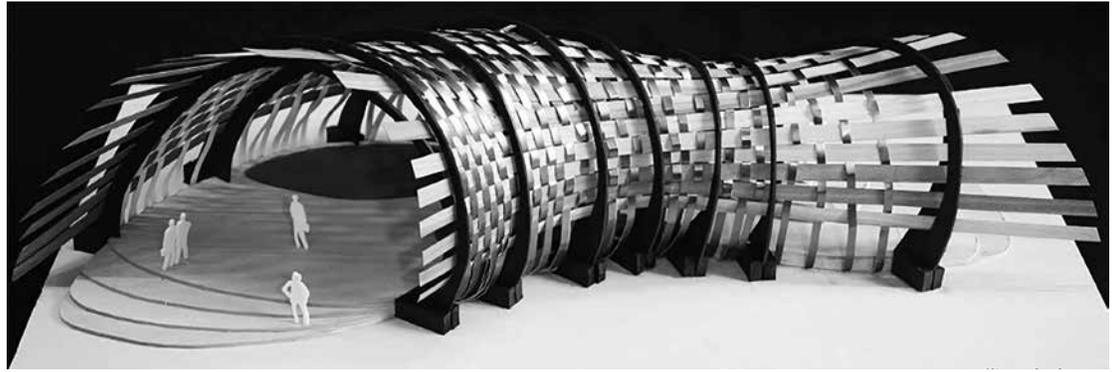
RIT's expertise in developing and managing cooperative education programs will greatly facilitate a student's ability to obtain these critical training hours. A number of local architecture and engineering firms hire our students; however the coop requirement may occur in any location including work abroad.

**INTERNATIONAL EXPERIENCE**

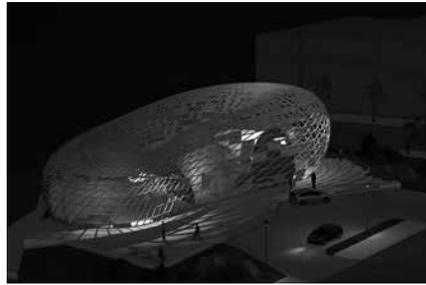
All students are required to engage in a study abroad experience. RIT offers a number of international opportunities to its undergraduate and graduate students including one specifically for architecture at the Danish Institute for Study Abroad. Through affiliation with other universities and organizations (Syracuse, Arcadia, CIEE), students may study in Western Europe, India, China, South Korea, Central and South America. Further opportunities include faculty-led programs in Germany (Dessau and Marburg), Paris, and Dubrovnik, Croatia.

**ADDITIONAL PROGRAM INFORMATION**

For more detailed program information and application requirements for admission please visit the program web site at: [www.rit.edu/architecture](http://www.rit.edu/architecture).



Student project: Allison LaChance



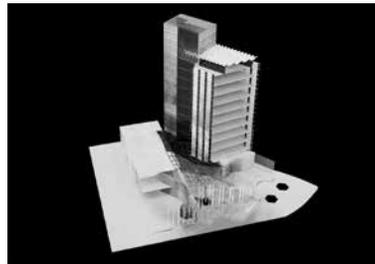
Student project: Mingbo Peng



Student team project: Rochester Lowline



Student project: Xili Li



Student project: Priyanka Sondhi



Student project: Alexandra Bush

**why does water conservation matter?**

- 2.5% of U.S. water consumption is used in buildings
- 10% of U.S. water consumption is used in buildings
- 0.007% of U.S. water consumption is used in buildings
- 7.1 billion gallons of water are used in buildings every day

**water in the built environment**

- 17% of U.S. water consumption is used in buildings
- 10% of U.S. water consumption is used in buildings
- 0.007% of U.S. water consumption is used in buildings

**water conservation**

- 101 gal of water is used per person per day
- 7.2% of U.S. water consumption is used in buildings
- 1,000 gal of water is used per person per day
- 200 gal of water is used per person per day
- 0.62 gallons of water is used per person per day
- 80% of U.S. water consumption is used in buildings
- 1.2 gpf (gallons per flush) is used per person per day
- 5.0 gpf (gallons per flush) is used per person per day
- 25 gallons of water is used per person per day

**water & buildings**

**Searching For Sustainability in Building Blocks**  
The Promises and Realities of Alternative Building Materials

**Introduction**

Introduction to the concept of sustainable building materials and the challenges of finding them. This infographic explores the environmental impact of building materials and the potential of alternative materials to reduce that impact.

**What are Alternative Materials?**

Recycled: Reusing materials that have already been used in another product.

Renewable: Materials that can be replenished naturally over time.

Low-carbon: Materials that have a low carbon footprint.

Local: Materials that are sourced locally to reduce transportation emissions.

Non-toxic: Materials that do not contain harmful chemicals.

Student projects / research: Catherine Lance, Kate Kreuger, Adam Stoker



**MORRISVILLE STATE COLLEGE**

**ARCHITECTURAL STUDIES AND DESIGN PROGRAM**

P.O. Box 901  
Morrisville, New York 13408  
1.800.258.0111  
www.morrisville.edu

Dean: Christine Cring

Contact: Brian J. Kelly, Jr., AIA  
kellybj@morrisville.edu

**ASSOCIATE OF SCIENCE (AS) IN ARCHITECTURAL STUDIES AND DESIGN**

The goal of this program is to prepare students to transfer and succeed in a professional or pre-professional baccalaureate program in architecture, or prove useful in an architectural firm at the entry-level.

This hands-on, design-based program supports learning and community through a studio centric experience, the use of applied technology, and a strong liberal arts and humanities component. The curriculum is designed to engage students in topics, ranging from fundamental to sophisticated, with the intention of developing an aptitude for creative, functional, and programmatic problem solving abilities. Throughout this experience, students are challenged to learn to make decisions in a culturally and environmentally responsive fashion. They develop the creative thinking and communication skills needed to explore and research the diverse problems that influence architectural discourse. This includes social and historic influences to potential sustainable futures. This is accomplished throughout the curriculum as a means for creating presentation material, for expressing opinions, and for providing technical documentation. The Architectural Studies and Design program is an integrative program concerned with designing, creating, improving and shaping built environ-

ments, and ultimately, celebrating the human condition.

Three floors of studio and critique space are located inside the new Sheila Johnson Design Center, a modern take on the campus' dairy barn once located there. The building was designed using sustainable strategies, the major component of which is the state of art geothermal heating system.

Open to students 24 hours a day, seven days a week, the building has high speed wireless internet access, a model shop, a laser cutter, copy/scanning machines, and large format copy/scanner/plotters. Access to three-dimensional printing technologies is also available.

As one of the first programs to adopt and embrace the use of individual student laptop computers at Morrisville State College, software used in the architectural profession is easily accessible to students through the college network and in the computer-aided design laboratory.

The Architectural Studies and Design students have the opportunity to become involved in the campus community through student groups, including the Architecture Club and the Morrisville State College Chapter of the American Institute of Architecture Students (AIAS). These organizations promote excellence in architectural education, training and practice, while fostering an appreciation of architecture through periodic visits to architecturally significant sites. The clubs also foster an appreciation of architecture through a variety of activities. These activities have included a film series, volunteering at Habitat for Humanity, and an annual field trip to Fallingwater.

**TRANSFERABILITY**

Associate of Science (AS) degrees are designed specifically for transfer. Students have transferred from this program to pre-professional and professional architecture programs at the University at Buffalo, Rens-



*Design by Hai Nguyen '13*



*Photo by David Revette Photography*



*Photo by David Revette Photography*

selaer Polytechnic Institute, New York Institute of Technology, Cornell University, Syracuse University, Pratt Institute, Norwich University, Wentworth Institute of Technology, Boston Architectural College, Arizona State University, the Ohio State University, University of Michigan, Alfred State College, SCI-ARC, Roger Williams University, Clemson University and others. Of the students that have transferred to a pre-professional or professional architecture program, over 90% have graduated.

Some students have chosen to continue their education in allied fields such as architectural engineering, architectural engineering technology, civil engineering, landscape architecture, construction management, interior design and graphic design.

**ADMISSIONS REQUIREMENTS**

Morrisville State College has a rolling admission policy; notification of acceptance begins November 1. SAT or ACT exams are recommended, and an on-campus visit is encouraged.

**ABOUT THE COLLEGE**

At Morrisville State College, curricula are enriched with applied learning and pave the way for opportunity. Praised for its exemplary and innovative, community service programs, the college was named to the 2012 President's Higher Community Education Service Honor Roll. The college was recognized, by U.S. News and World Report, in its top tier Best Regional Colleges list and ranked second among regional colleges nationwide for outperforming its anticipated graduation rate. Visit [www.morrisville.edu](http://www.morrisville.edu) to experience, Morrisville in motion.



**THE CITY UNIVERSITY OF  
NEW YORK**

**NEW YORK CITY COLLEGE OF  
TECHNOLOGY**

President: Dr. Russell K. Hotzler

300 Jay Street  
Voorhees Hall, Room V818  
Brooklyn, New York 11201  
718.260.5262  
718.254.8547 fax  
www.citytech.cuny.edu

Chair: Shelley E. Smith, PhD

Located at the foot of John Roebling’s world famous Brooklyn Bridge, The Department of Architectural Technology, offers a unique four year, Bachelor of Technology degree (BTech) that prepares students for the broad range of responsibilities represented in the field: design, construction technologies, architectural history, building systems and information modeling, codes and professional practice, site planning, sustainable design, and digital fabrication. Our two year, associates of applied science (AAS) degree is offered as the first half of the BTech degree. Upon successful completion of the 64 credits, students generally have the credentials to begin a career in an architect’s or engineer’s office. This provides the flexibility of working in the field while completing the baccalaureate degree during the day, evening, or weekend sessions. Multiple summer and winter semesters allow students greater ability to balance the division of time between their academic, personal and work lives.

In its role as the senior college of technology of The City University of New York (CUNY), we offer the most accessible architectural education in the metro area, with competitive tuition and a large enrollment capacity. NYCCT’s Department of Architectural Technology is known for its workplace oriented curriculum, leading edge

technologies, student-focused environment, providing opportunities for students to engage in real-world community service projects.

Our 18 full-time faculty are practicing, licensed professionals, and our part-time instructional staff of over 60 adjuncts hold prominent positions in city agencies, at prestigious public or not-for-profit institutions, and with the region’s leading private architecture, design and engineering firms.

Our proximity and ease of access to all of New York City, coupled with nearly fifty years of faculty-cultivated relationships with many employers, practicing former graduates and other related career professionals allows us to identify potential jobs, and other unique learning positions for our students.

Construction-related sectors of the economy have experienced healthy growth in recent years. Both the US and the New York State Departments of Labor project significantly higher than average growth rates in the architectural and construction sectors in the current decade. New York City College of Technology’s Department of Architectural Technology is committed to building strong partnerships with industry professionals. Our curriculum and electives are focused on key areas of industry need, as identified by our faculty and Advisory Board, including: Building Information Modeling (BIM); Environmentally Sustainable (“green”) Technologies, Advanced Computation and Fabrication; Preservation, Restoration and Existing Building Tools & Technologies; Zoning Code, Building

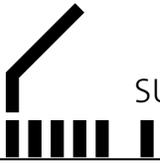
Regulations and Approvals; Acoustics and Lighting; and Advanced Construction Detailing.

Students are encouraged to create, participate in, and be leaders of the many student created clubs, activities, and travels across the world. Students are active members of, and have won design competition awards from the AIA Student Chapter, and from the Society of American Registered Architects (SARA). Recently, our students were chosen as one of only 20 teams to compete in the 2015 Solar Decathlon.

*Second Year Design rendering by  
X. Springer*



*Students work closely with faculty in the classroom.*



**SUNY DELHI**

Enrollment Services  
454 Delhi Drive  
Delhi, NY 13753

1.800.96DELHI or 607.746.4550  
www.delhi.edu  
enroll@delhi.edu

Dean: Eric Robert, MBA, CAS  
Chair: David Hultenius, P.E., SECB



**THE COLLEGE**

The College of Technology at Delhi, a charter member of the State University of New York (SUNY), offers comprehensive pre-professional, technical, and skilled trades programs leading to baccalaureate, and associate degrees, and certificates. SUNY Delhi has an enrollment of over 2,800 students living on and off campus. The college is nestled in the picturesque Catskill mountain region of upstate New York approximately 75 miles south west of Albany, and 120 miles north of New York City.

**THE PROGRAMS**

The field of architecture is an exciting blend of art, design, technology, and modern construction techniques. As preparation for access to a rewarding architectural career, SUNY Delhi offers a rigorous 4-year pre-professional Bachelor of Technology (BT) degree in Architectural Design and Building, and a very practically focused 2 year Associate in Applied Science (AAS) degree in Architectural Technology.

**BT IN ARCHITECTURAL DESIGN AND BUILDING**

The 4-year BT in Architectural Design and Building program at Delhi has a special focus that is firmly fixed on the design of buildings, but extends well beyond to encompass the materials, systems, fabrication, and technical documentation of buildings. The BT program is thus a synergistic blend of design and presentation, computer drafting, structural engineering, environmental systems, building materials, lab based construction methods, and liberal arts. The preponderance of core studio and lab courses number 15 to 18 students per section, and are taught by well qualified, full time faculty, with appropriate academic credentials, professional licenses, and significant industry experience.

Completion of the BT at Delhi provides broader more practically based professional, as preparation for a multi-

tude of career options, than might be gained through a more typical theoretically focused program. Students who complete the 4-year BT program at Delhi may find rewarding positions directly upon graduation with traditional architecture firms, allied professions such as engineering, planning, Landscape architecture, design-build firms, and related industries and government. Well qualified graduates may also elect to continue their education in an NAAB accredited professional degree program in architecture at the undergraduate, or graduate level, or in a related field such as planning or historic preservation. Graduates of the pre-professional BT may also be admitted to the professional licensing exam in New York State upon completion of a structured professional internship, and thus become licensed to practice architecture in New York State.

**AAS IN ARCHITECTURAL TECHNOLOGY**

The 2-year AAS degree in Architectural Technology at Delhi essentially encompasses the foundation years of the BT in Architectural Design and Building, comprising the fundamentals of architectural graphics and architectural design, architectural history, construction materials and methods, environmental systems, computer aided documentation, and supporting liberal arts.

The AAS in Architectural Technology provides solid preparation for direct entry into architecture, and the related design and building industry, at the technician level. Potential responsibilities range from assisting with design and drafting, field measurement and documentation, through cost estimating, and construction observation. Growth to middle management levels of responsibility can be realistically achieved.

Qualified AAS graduates can also continue their architectural education through internal transfer to the 4-year pre-professional BT in Architectural Design and Building at Delhi, or through external transfer to 5-year accredited baccalaureate degree programs at Universities such as Syracuse, RPI, and Cornell.

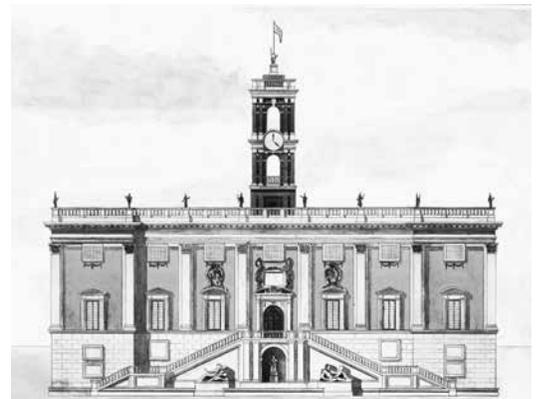
**FACILITIES**

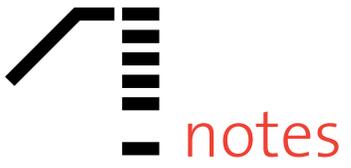
The architecture programs are equipped with the latest technology and software being used in industry. Students have access to dedicated studios, that include large format scanners and plotters, numerous computer stations loaded with current design and drafting programs, a laser cutter, model shop with hand and power tools, and a photo studio for project documentation. A rapid prototype machine, large building construction labs, and material testing equipment are also available.

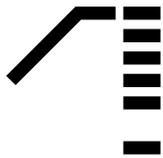
**ADMISSIONS**

Both the 4-year BT in architectural Design and Building, and the 2-year AAS in Architectural Technology, accept direct application from high school students, and transfer applications from college students.

High school applicants may be offered admission to the either the BT, or AAS, depending on stated preference and academic qualifications. Accepted transfer applicants will be placed at the AAS, or BT, level depending on college courses competed.







general information

(Information as of 4/14 from the schools)

\*NAAB Accredited Degree

\*\*NAAB Candidate Program

<sup>2</sup>In-State Undergraduate per year

<sup>3</sup>Out of State Undergraduate per year

<sup>4</sup>undergraduate deadline

<sup>5</sup>transfer deadline

<sup>6</sup>graduate student deadline

<sup>7</sup>Every student receives a 50%-tuition scholarship of \$19,800

<sup>8</sup>In-state Graduate

<sup>9</sup>Out-of-state Graduate

<sup>†</sup>NTID only (deaf students)

		CCNY	Columbia	Cooper Union	Cornell University	NYIT	Parsons
A.S. in Arch. Studies & Design	2 yrs.						
A.A.S. in Architectural Technology	2 yrs.					●	
<sup>†</sup> A.A.S. in Cputer-Aided Drafting Tech.	2 yrs						
<sup>†</sup> A.O.S. in Cputer-Aided Drafting Tech.	2 yrs						
B.S. Arch. Technology	4 yrs.					●	
B.S. Arch. History	4 yrs.						
B.S. Architecture	4 yrs.						
B.S.C.M.	4 yrs.						
B.S. Building Sciences	4 yrs.						
B. Architecture	5 yrs.	●*		●*	●*	●*	
B.A. with Architecture Major			●				
B.F.A. Architectural Design	4 yrs.						●
B.F.A. in Architecture	4 yrs.						
B.F.A. in Interior Design						●	
B. Tech. in Architectural Technology	4 yrs.						
B. Tech. Arch. Design & Building	4 yrs.						
M.S. Arch.	1½ yrs.						
M. Arch. II	1 yr.	●		●	●		
M.S. Advanced Architectural Design	1 yr.		●				
M.S. Arch. & Urban Design	1 yr.		●				
M. Arch. (Adv. Bldg. Tech.)	1½ yrs.						
M. Arch. (Individual Studies)	1½ yrs.						
M. Arch.	2 yrs.						
M.S. Arch. Urban Design	2 yrs.						
M.S. in Urban Planning	2 yrs.		●				
M.S. Arch. Urban Design & Hist. Prsrv.	1½ yrs.						
M. Arch. Regional & Urban Design	1½ yrs.					●	●
M.S. Critical Practices	1½ yrs.		●				
M.S. Historic Preservation	2 yrs.		●				
M.S. Real Estate Development	1 yr.		●				
M.S. U.E.M.S.	2 yrs.						
M. Arch.	3 yrs.	●*	●*				●*
M. Arch. (I)	3½ yrs.				●*		
M.S. Facilities Management	2 yrs.						
M.S. Facilities Management CAST	1 yr.						
M.S. Architectural Sciences	1 yr.						
M.S. in Informatics & Architecture	1 yr.						
M.S. in Lighting	2 yrs.						
M.F.A. in Lighting Design	2 yrs.						●
Ph.D. Architectural Sciences	3 yrs.						
Student Faculty Ratio		8/1	6/1	5/1	8/1	10/1	8/1
Tuition & Fees S=semester; Y=year		5,730/Y(ug); 10,740/Y(g)	23,310/S	41,450 <sup>7</sup> /Y	45,358/(ug) 45,130/Y(g)	23,700/Y	20,330/S
No. of Students		400	650	150	360	750	450
Application Deadlines		1/15, 11/ 15	12/15, 1/15	1/1	11/1, 1/1	none	2/1
Type of Campus U=urban, S=suburban, R=rural		U	U	U	U, S	U, S	U

Pratt	Rensselaer	Syracuse	University at Buffalo	Alfred State College	RIT	Morrisville State College	NYC College of Technology	SUNY Delhi
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10/1	10/1	13/1	12/1	13/1	10/1	15/1	10/1	15/1
39,300/Y	61,820/Y	40,458/Y	8,820 <sup>2</sup> /10,578 <sup>3</sup> /Y 12,855 <sup>3</sup> /20,834 <sup>3</sup> /Y	5,870AAS/Y; 9,740AAS/Y <sub>(out of state)</sub> 15,320 BA/Y <sub>(out of state)</sub>	37,361/Y	5,870/Y (In state)	5,730/Y <sup>2</sup>	4,970/Y (In state)
1,150	367	545	425	205	50	35	700	110
2/15, 11/15	11/1, 11/15, 1/5 <sup>2</sup> , 3/1 <sup>3</sup> , 3/15 <sup>4</sup>	1/1, 11/15	1/15	Rolling	2/15	Rolling	2/1; 9/15	Rolling
U	U	U	U	R	S/U	R	U	R



**AIA New York State**  
An Organization of The American Institute of Architects

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