

# NJIT

New Jersey's Science &  
Technology University

*THE EDGE IN KNOWLEDGE*

## The Master of Architecture



New Jersey School of Architecture

**New Jersey Institute of Technology**

## WHY PURSUE THE MASTERS IN ARCHITECTURE?

In recent years the world has become more aware of the symbolic power of buildings and the extraordinarily complex issues involved in the process of planning and design. At the same time advances in sustainable building technology have encouraged both public and private sector builders to make their projects more “green.” As a result, today’s architects are called upon to play ever more active roles in addressing the environmental, economic and social aspects of development. The architect contributes the ability to envision and imagine both what is possible, and what ought to be, incorporating incremental change as part of a larger vision. In this process, the architect contributes to and coordinates the energies of other building professionals. Graduate architectural education exposes students to the broad intellectual inquiry and the specific technical knowledge required in the world of professional practice.

## WHY STUDY ARCHITECTURE AT NJIT?

Graduate architecture studies at NJIT focus on three areas critical in today’s society: sustainable design, digital design, and design of communities. Studio projects range from the design and manufacture of a single object to the analysis and design of regional infrastructures. NJIT is an active agent in the transformation of New Jersey’s urban landscape, and has pioneered the application of digital technologies to matters of design, representation and fabrication. A 12-credit certificate program in sustainable design has just been expanded into a 30-credit MArch degree under the leadership of the school’s Center for Architecture and Building Science Research.

## WHO SHOULD ENROLL IN THE MASTERS IN ARCHITECTURE?

The program has two degree options: the professional MArch and the MS in Architecture. The professional option is an accredited degree program designed to prepare students for licensure. Students who have completed prior coursework in architecture may receive advanced placement which reduces the 97-credit degree requirement. The MS in Architecture offers both a post-professional degree for students with an NAAB accredited BArch or its equivalent, and a concentration in Sustainable Design open to students with an accredited degree or comparable academic or professional experience.

## WHO TEACHES THE COURSES?

The NJIT architecture faculty comprises scholars and practitioners with distinguished records in scholarship, research and professional practice. Our ranks include past editors of the Journal of Architectural Education, the Journal of the Society of Architectural Historians, the current president (and two past presidents) of ACADIA (Association for Computer Aided Design in Architecture), and a past president of ACSA (Association of Collegiate Schools of Architecture). NJSOA faculty have garnered numerous honors and design awards from the AIA and other professional organizations. Our faculty directly engage contemporary issues in architecture through research, publication, public lectures, professional programs and symposia, scholarship and design practice.

## WHAT DUAL DEGREE OPTIONS ARE AVAILABLE?

MArch students can pursue a dual degree in Infrastructure Planning (MIP) or the new one-year Master of Science in Architecture with a concentration in Sustainable Design. Students can also take advantage of NJIT’s rich multi-disciplinary resources by combining the MArch with master’s programs in business, civil engineering or construction management. Students in these dual degree programs can apply up to fifteen credits of coursework earned within the professional MArch program to a second master’s degree.

## PROGRAM SUMMARY

Degree Awarded: Master of Architecture

Credits Required: 97

Program Objective: To expose students to the broad intellectual inquiry of the academy and the specific technical knowledge required in the world of professional practice.

## ADMISSIONS REQUIREMENTS

B.A. or B.S. from an accredited undergraduate program

Portfolio

GPA of 3.0 on a 4.0 scale required

TOEFL score of 213 or higher on the CBT (international students)

GRE scores

Statement of purpose

Three letters of recommendation

## CURRICULUM (97 credits as follows:)

Arch 500G: Computer Applications (2 credits)

Arch 501G: Architectural Design I (5 credits)

Arch 502G: Architectural Design II (5 credits)

Arch 503G: Architectural Design III (5 credits)

Arch 504G: Architectural Design IV (5 credits)

Arch 505G: Advanced Design Options I (6 credits)

Arch 506G: Advanced Design Options II (6 credits)

Arch 507G: Advanced Design Options III (6 credits)

Arch 511G: Structures I (3 credits)

Arch 512G: Structures II (3 credits)

Arch 513G: Structures III (3 credits)

Arch 521G: Construction I (3 credits)

Arch 522G: Construction II (3 credits)

Arch 523G: Building Performance (3 credits)

Arch 524G: Environmental Control Systems (3 credits)

Arch 528G: History of Architecture I (3 credits)

Arch 529G: History of Architecture II (3 credits)

Arch 555G: Architectural Graphics (3 credits)

Arch 569G: Building and Development (3 credits)

Arch 579G: Professional Practice (3 credits)

History/Theory Electives (6 credits)

Architecture Electives (9 credits)

Free Electives (6 credits)

## FOR FURTHER INFORMATION, CONTACT:

Anthony Schuman, Graduate Program Director  
(973) 596-6370, [schuman@njit.edu](mailto:schuman@njit.edu)  
<http://architecture.njit.edu/graduate.htm>

## TO APPLY:

Office of Graduate Admissions  
(973) 596-3300 or on-line at  
[http://www.njit.edu/admissions/graduate/apply\\_online.php](http://www.njit.edu/admissions/graduate/apply_online.php)