



School of  
**Architecture & Design**

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J. DiMaio, M.Arch., AIA, *Dean*

**Master of Architecture in Urban  
and Regional Design**

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## **Master of Architecture in Urban and Regional Design**

### **The Program**

NYIT, School of Architecture and Design offers a graduate Master of Architecture in Urban and Regional Design. It is a three semester, 36 credit, post-professional degree for those holding a Bachelor in Architecture degree. The program's three advanced design studios address urban and suburban design and architecture in the context of their region. These studios explore the relationship of design at many scales from personal to megalopolitan to global dimensions.

Cities, towns, suburbs and neighborhoods are interdependent, and to understand the viability of each requires the investigation of their interdependence. It is important to study urban, suburban and rural neighborhoods as part of a unified region of human settlement. The design studios investigate individual buildings, whole neighborhoods, civic centers and metropolitan infrastructure together in ways that consider the impact of such intervention on the whole region's environment. There is an emphasis on the consideration and critique of the historical, physical, social, political and philosophical context.

The program provides a theoretical and historical understanding of the origin and the socio-political function of cities. It also makes use of a range of design tools, including computer mapping of physical density, demographics, land-use, transportation and ecological information as well as dynamic, interactive, multi-dimensional modeling. Designs investigate the relationship between creating a plan of space as well as the operational issues that must also be designed or organized to implement that plan.

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### Facilities

The graduate program is centered in New York City, a major world capital. NYIT's three campus settings in the New York metropolitan region permit students to combine theory with experience by living and working in a variety of settlement types and conducting field study anywhere from midtown to pine barrens. This provides the opportunity for case studies to test and apply new insights, theory, and designs to contemporary issues. NYIT is situated both within and around New York City, including its classic suburban region, Long Island, whose extended linearity, isolation by water, age, and intense land use, make it both a laboratory and a unique experience for the study of Urban and Regional Design.

All three campuses will be available to exploit their unique opportunities for specific courses and investigations at the graduate level. Thus a Design Studio that is working on urban projects in or near Manhattan may utilize the Manhattan Campus of NYIT for seminars and related inquiries, while full-scale investigations of affordable housing prototypes may be conducted on site at the Central Islip Campus. Computer facilities are located at each campus. NYIT's Distance Learning facilities permit simultaneous courses and conferencing at all sites. Graduate design studio space is in Manhattan and will be allocated within the Architecture Departments on each campus as needed. Seminar rooms are available for formal courses as well as informal events. Campus libraries are linked and material from one can be available at another through the intercampus exchange system.

A study abroad program investigates existing canonical urban design and is integrated into the design studio sequence. This program allows the degree to be completed in a single year.

### Professional Degrees

This Master of Architecture program is a post-professional degree.\* Applicants must hold a professional architectural degree from an NAAB accredited college or university, or the equivalent, if applying with a degree from another country.

*\*In the United States, most state registration boards require a degree from an accredited professional degree program as a prerequisite for licensure. The National Architectural Accrediting Board (NAAB), which is the sole agency authorized to accredit U.S. professional degree programs in architecture, recognizes two types of degrees: the Bachelor of Architecture and the Master of Architecture.*

*Master's degree programs may consist of a pre-professional undergraduate degree and a professional graduate degree, which, when earned sequentially, comprise an accredited professional education. However, the pre-professional degree is not, by itself, recognized as an accredited degree.*

**Admission Requirements**

(see page 24 of this catalog)

**Financial Aid**

(see page 50 of this catalog)

**Curriculum**

**Term 1**

ARCH 701	Urban and Regional Design Studio I	6 cr
ARCH 721	History of the City and Region	3 cr
ARCH xxx	Elective	3 cr
		<b>12 cr</b>

**Term 2**

ARCH 702	Urban and Regional Design Studio II	6 cr
ARCH 725	Theories of Urbanism and Suburbanism	3 cr
ARCH xxx	Elective	3 cr
		<b>12 cr</b>

**Term 3**

ARCH 703	Urban and Regional Design Studio III	6 cr
ARCH 726	Case Studies in Urbanism/Suburbanism	3 cr
ARCH xxx	Elective	3 cr
		<b>12 cr</b>

**Total Program**

**36 cr**

**Electives**

ARCH 824	City and Regional Resources and Infrastructure	3 cr
ARCH 841	Computer Aided Design and Planning I	3 cr
ARCH 842	Computer Aided Design and Planning II	3 cr
ARCH 861	Social, Economic, Legal and Political Issues of Urban and Regional Design	3 cr
ARCH 871	Housing: Urban, Suburban, and Rural	3 cr
ARCH 881	Issues of Practice	3 cr

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### Courses

The degree is a three-semester 36-credit program. There is a minimum of 6 credits required for enrollment per semester. Studio courses will be taught in the traditional method with an average of 12 students per critic. Studios may be taught in a team format, depending on project type, intended product, and the relationship established with public agencies, civic organizations, research funding, etc. Some courses are organized as colloquia with specialists or noted people in education or practice providing a series of lectures with a course coordinator.



**COURSE DESCRIPTIONS:**

**ARCH 701                      Urban and Regional Design Studio I                      6 credits**

Design studio problems focus on both theoretical and real contexts, utilizing required skills of architectural design to address broader issues of the form of cities, suburbs, and their regional inter-relationships.

**ARCH 702                      Urban and Regional Design Studio II                      6 credits**

Continuation of Urban and Regional Design Studio I. *Prerequisite:* ARCH 701.

**ARCH 703                      Urban and Regional Design Studio III                      6 credits**

Continuation of Urban and Regional Design Studio II. This course constitutes the "capstone" demonstration of ability at the level of a Masters of Architecture Degree. *Prerequisite:* ARCH 702.

**ARCH 721                      History of the City and Region                      3 credits**

Survey the historic development of cities as artifacts of concentrated human settlement and its related regions.

**ARCH 725                      Theories of Urbanism and Suburbanism                      3 credits**

An examination of theories of urbanism, suburbanism and regionalism from its early history to the present, making the relationship of historical material to recent ideas and the problems and practices of today.

**ARCH 726                      Case Studies in Urbanism/Suburbanism                      3 credits**

Critical analysis of canonical urban and suburban design precedent, in terms of form, operations, and policy as carriers of meaning. Seminar format.

**Elective Courses:**

**ARCH 824                      City and Regional Resources and Infrastructure                      3 credits**

A historical survey and review of contemporary applications of attempts to organize systems of communication, commerce, movement, settlement, etc. at both local and regional scales of operation.

**ARCH 841                      Computer-Aided Design and Planning I                      3 credits**

Introduction to modeling techniques for city and regional design using computer aided design methods and technologies. Application to simple urban and regional design problems.

**ARCH 842                      Computer-Aided Design and Planning II                      3 credits**

Continuation of Computer-Aided Design and Planning I. Advanced modeling of urban and regional design using input from remote sensing geographic information systems and new techniques of dynamic mapping and spatial simulation. *Prerequisite:* ARCH 841

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**ARCH 861**      **Social, Economic, Legal and Political Issues  
of Urban and Regional Design**      **3 credits**

Study of the relationships between economic and social policy and their influences on urban, suburban, and regional form. Colloquium format.

**ARCH 871**      **Housing: Urban, Suburban, and Rural**      **3 credits**

Analysis of the forms of residential buildings and neighborhoods at all densities in urban and suburban regions. Study of the relationship between architecture and public policy.

**ARCH 881**      **Issues of Practice**      **3 credits**

A colloquium of private practitioners or public agencies involved in urban and regional form, reviewing their goals, methods and results.

