

Bachelor of Architecture and M.I.P.

The New Jersey School of Architecture has established a dual degree program within the school that permits students to obtain a B.Arch. with a Master in Infrastructure Planning (M.I.P.). There is no reduction in the degree requirements for the professional degree in architecture. The dual degree program permits students to obtain an M.I.P. in substantially less time.

Up to 12 credits of graduate-level coursework may be applied to both the B.Arch. and M.I.P. Students may take additional courses at the graduate level during their undergraduate career, but these courses do not count toward the undergraduate degree requirements and students are charged at the graduate course rate.

Eligible students should contact the Office of Graduate Studies in their junior or third year regarding the process for admission to the dual degree program. The Office of Graduate Studies will coordinate the process with the undergraduate program director in the School of Architecture and later with the graduate advisor and the Office of Graduate Admissions as the student nears completion of the undergraduate degree. In order to be eligible for initial and continued participation in the dual degree program, the student must maintain a 3.0 cumulative GPA and take the GRE during the senior or final undergraduate year.

B.Arch. Requirements

First Year

1st Semester		Credits
ARCH 161	Intro Design and Digital Media	6
HUM 101	English Composition: Writing, Speaking, Thinking I ⁱ	3
MATH 113	Finite Mathematics and Calculus I ⁱⁱ	3
FRSH SEM	First-Year Seminar	0
Term Credits		12

2nd Semester

ARCH 156	Tools and Techniques	3
ARCH 164	Introduction to Design II	5
HUM 102	English Composition: Writing, Speaking, Thinking II	3
MATH 105	Elementary Probability and Statistics	3
Term Credits		14

Second Year

1st Semester

ARCH 223	Construction I	3
ARCH 251	History of Architecture I	3
ARCH 263	Architecture Studio I	5
PHYS 102	General Physics	3
PHYS 102A	General Physics Lab	1
History and Humanities GER 200 level (http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/ger-200-level/)		3
Term Credits		18

2nd Semester

ARCH 227	Environmental Control Systems I	3
ARCH 229	Structures I	3
ARCH 252	History of Architecture II	3
ARCH 264	Architecture Studio II	5
PHYS 103	General Physics	3
PHYS 103A	General Physics Lab	1
Term Credits		18

Third Year

1st Semester

ARCH 327	Environmental Control Systems II	3
ARCH 329	Structures II	3
ARCH 363	Architecture Studio III	5
ARCH 381	History of Architecture III	3

History and Humanities GER 300+ level (http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/ger-300-level/)		3
Term Credits		17
2nd Semester		
ARCH 323	Construction II	3
ARCH 364	Architecture Studio IV	5
ARCH 382	History of Architecture IV	3
CS 104	Computer Programming and Graphics Problems	3
History and Humanities GER 300+ level (http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/ger-300-level/)		3
Term Credits		17
Fourth Year		
1st Semester		
ARCH 423	Construction III	3
ARCH 429	Structures III	3
ARCH 463	Options Studio I	5
Design Elective		3
Free Elective *		3
Term Credits		17
2nd Semester		
ARCH 464	Option Studio II	5
ARCH 472	Architectural Programming and Project Development	3
Design Elective		3
Social Science GER Elective (http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/social-science-ger/)		3
Free Elective *		3
Term Credits		17
Fifth Year		
1st Semester		
ARCH 563	Options Studio III	5
ARCH 558	Professional Architectural Practice	3
Design Elective		3
Design Elective		3
Humanities and Social Science Senior Seminar GER (http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/hss-capstone/)		3
Term Credits		17
2nd Semester		
ARCH 561	Integrated Studio Seminar	3
ARCH 564	Integrated Design Studio	5
Design Elective		3
Free Elective		3
Free Elective *		1
Term Credits		15
Total Credits		162

* Gen-Ed Non-COAD

M.I.P. Requirements

Code	Title	Credits
MIP 601	Interdisciplinary Infrastructure Studio I	6
MIP 602	Interdisciplinary Infrastructure Studio II	6
MIP 612	Introduction to Environmental Policy Studies	3
MIP 618	Public and Private Financing of Urban Areas	3

MIP 631	History and Theory of Infrastructure	3
MIP 652	Geographic Information Systems	3
MIP 655	Land Use Planning	3
MIP 674	Infrastructure and Architecture	3
MIP 675	Elements of Infrastructure Planning	3
Total Credits		33

Students in the B.Arch. program may take any four of the required 3-credit courses to count toward both their B.Arch. and M.I.P. Students who have completed a comprehensive options studio and have a superior academic record may take MIP 601 Interdisciplinary Infrastructure Studio I in place of the last options studio in the B.Arch. program. This counts for 6 of the 12 credits counted toward both degrees.