

Bachelor of Architecture

First Year

1st Semester		Credits
ARCH 195	Architecture Studio I	4
ARCH 110	Tools and Techniques I: Introduction to Architecture Thinking	3
ENGL 101	English Composition: Introduction to Academic Writing	3
CS 104	Computer Programming and Graphics Problems	3
MATH 107	University Mathematics A ⁱⁱ	3
FYS SEM	First-Year Student Seminar	0
Term Credits		16

2nd Semester

ARCH 196	Architecture Studio II	4
ARCH 156	Tools and Techniques II: Introduction to Architecture Making	3
ENGL 102	English Composition: Introduction to Writing for Research	3
MATH 105	Elementary Probability and Statistics ⁱⁱ	3
Social Sciences GER (http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/social-science-ger/)		3
Term Credits		16

Second Year

1st Semester

ARCH 295	Architecture Studio III	4
ARCH 210	History of Architecture I	3
ARCH 223	Construction I	3
PHYS 102	General Physics I	3
PHYS 102A	General Physics I Lab	1
Term Credits		14

2nd Semester

ARCH 296	Architecture Studio IV	4
ARCH 211	History of Architecture II	3
ARCH 224	Construction II	3
Natural Science GER (http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/natural-science-ger/)		3
History and Humanities GER 200 level (http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/ger-200-level/)		3
Term Credits		16

Third Year

1st Semester

ARCH 395	Architecture Studio V	4
ARCH 303	Structures I	3
ARCH 309	Environmental Control Systems I	3
ARCH 324	Landscape and Urbanism	3
History and Humanities GER 300+ level (http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/ger-300-level/)		3
Term Credits		16

2nd Semester

ARCH 396	Architecture Studio VI	4
ARCH 304	Structures II	3
ARCH 314	Environmental Control Systems II	3
ARCH Elective 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		16
Fourth Year		
1st Semester		
ARCH 495	Advanced Architecture Studio I	5
ARCH 472	Professional Practice I	3
ARCH Elective (Technology)		3
Humanities and Social Science Senior Seminar GER (http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/hss-capstone/)		3
Term Credits		14
2nd Semester		
ARCH 463	Options Studio I	5
ARCH 475	Professional Practice II	3
ARCH Elective (Technology)		3
ARCH Elective ⁱⁱⁱ		3
Term Credits		14
Fifth Year		
1st Semester		
ARCH 595	Advanced Architecture Studio II	5
ARCH 561	Synthesis Seminar	3
ARCH Elective (History/Theory)		3
ARCH Elective ⁱⁱⁱ		3
Term Credits		14
2nd Semester		
ARCH 464 or ARCH 566	Option Studio II or Advanced Architectural Design Studio	5
ARCH Elective (History/Theory)		3
ARCH Elective ⁱⁱⁱ		3
ARCH Elective ⁱⁱⁱ		3
Term Credits		14
Total Credits		150

- i Students must maintain continuous enrollment in the HUM101/HUM102 sequence every Fall and Spring semester until successful completion.
- ii Students must maintain continuous enrollment in the Math sequence every Fall and Spring semester until successful completion.
- iii Courses listed under ARCH Elective (Technology) and ARCH Elective (History/Theory) can be counted as ARCH Electives.

ARCH Electives (Technology)

Code	Title	Credits
ARCH 301	Digital Modeling and Fabrication	3
ARCH 316	Structural Computer Applications BIM	3
ARCH 337	Building Information Modeling	3
ARCH 361	Adaptive Paradigms in Architecture	3
ARCH 423	Advanced Construction	3
ARCH 429	Advanced Structures	3
ARCH 461	Resilient Structural Design and Construction	3
ARCH 483	ST:	3
ARCH 537	Cable and Tension Structures	3
ARCH 538	Sustainable Architecture	3
ARCH 541	Material Systems in Design	3
ARCH 543	Lighting	3

ARCH 545	Case Studies in Architectural Technology	3
ARCH 546	Designing and Optimizing the Building Enclosure	3

ARCH Electives (History/Theory)

Code	Title	Credits
ARCH 331	Formal Principles of Landscape Design Traditions Across the Globe	3
ARCH 332	Architecture: Image and Word I	3
ARCH 333	Architecture: Image and Word II	3
ARCH 335	Digital Tectonics	3
ARCH 408	Investigations in the Contemporary Landscape	3
ARCH 530	Methods of Architectural Research	3
ARCH 531	History of Modern Architecture	3
ARCH 533	History of American Architecture	3
ARCH 534	Aspects of Urban + Suburban Form	3
ARCH 535	History of Architectural Ideas	3
ARCH 536	Landscape and American Culture	3
ARCH 557	Problems in Modern Housing	3
ARCH 559	Social Issues in Housing	3
ARCH 571	Sustainable City	3
ARCH 572	Mapping Urbanism	3
ARCH 574	Case Studies in Community and Urban Design	3
ARCH 576	Architecture of Utopia	3
ARCH 583	ST:	3
INT 350	History of Furniture	3

ARCH Electives

Code	Title	Credits
ARCH 283	Special Topics	3
ARCH 317	Advanced Architectural Graphics	3
ARCH 432	P3 Post Presentation Processing	3
AD 150	Color and Composition	3
AD 325	Entrepreneurship for Designers	3
AD 340	Photography and Imaging	3
DD 320	Robotics for Architects and Designers	3
DD 321	Interactive and Reactive Environments	3
DD 334	Simulated Environments	3
DD 449	Imaginary Worlds: Architecture in Motion Pictures	3
ID 340	Materials and Processes	3
ID 341	Sustainable Materials and Processes	3
ID 370	New Product Testing	3
INT 351	Furniture Design	3

See the **General Education Requirements** "Refer to the General Education Requirements for specific information for GER courses"