

# B.S. in Architecture and M.S. in Management

## B.S. in Architecture Requirements

### 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                                      | 3         |
| FYS SEM             | First-Year Student Seminar                                    | 0         |
| <b>Term Credits</b> |   | <b>16</b> |

### 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                        | 3         |
| Social Sciences GER ( <a href="http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/social-science-ger/">http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/social-science-ger/</a> ) |  | 3         |
| <b>Term Credits</b>   |  | <b>16</b> |

### 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         |
| <b>Term Credits</b> |                           | <b>14</b> |

#### 2nd Semester

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

### Third Year

#### 1st Semester

|   |                       |           |
|---|-----------------------|-----------|
| ARCH 395  | Architecture Studio V | 4         |
| ARCH Elective   |                       | 3         |
| ARCH Elective   |                       | 3         |
| Free Elective   |                       | 3         |
| History and Humanities GER 300+ level ( <a href="http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/ger-300-level/">http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/ger-300-level/</a> ) |                       | 3         |
| <b>Term Credits</b>   |                       | <b>16</b> |

#### 2nd Semester

|                            |  |   |
|----------------------------|--|---|
| ARCH Elective (Technology) |  | 3 |
| ARCH Elective              |  | 3 |
| ARCH Elective              |  | 3 |
| Free Elective              |  | 3 |

|   |            |
|---|------------|
| History and Humanities GER 300+ level ( <a href="http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/ger-300-level/">http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/ger-300-level/</a> ) | 3          |
| <b>Term Credits</b>   | <b>15</b>  |
| <b>Fourth Year</b>  |            |
| <b>1st Semester</b>   |            |
| ARCH Elective (Technology)  | 3          |
| ARCH Elective (History/Theory)  | 3          |
| ARCH Elective   | 3          |
| Free Elective   | 3          |
| History and Humanities GER 300+ level ( <a href="http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/ger-300-level/">http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/ger-300-level/</a> ) | 3          |
| <b>Term Credits</b>   | <b>15</b>  |
| <b>2nd Semester</b>   |            |
| ARCH Elective (History/Theory)  | 3          |
| ARCH Elective   | 3          |
| ARCH Elective   | 3          |
| ARCH Elective   | 3          |
| <b>Term Credits</b>   | <b>12</b>  |
| <b>Total Credits</b>  | <b>120</b> |

See the **General Education Requirements** for more information on electives.

Graduation is contingent upon the maintenance of a 2.0 average and the successful completion of the minimum credit requirement of prescribed courses within the select curriculum: Bachelor of Science in Architecture (B.S. Arch) requires 120 credits.

## M.S. in Management Requirements

| Code                           | Title  | Credits   |
|--------------------------------|--|-----------|
| ARCH 650                       | Economy Of Building  | 3         |
| ARCH 651                       | Public and Private Development                                     | 3         |
| ARCH 652                       | Architectural Project Management                                   | 3         |
| HRM 601                        | Managing Organizational Behavior in Technology-Based Organizations | 3         |
| FIN 516                        | Principles of Financial Management                                 | 3         |
| FIN 600                        | Corporate Finance I  | 3         |
| FIN 618                        | Public and Private Financing of Urban Areas                        | 3         |
| MIS 620                        | E-Commerce Technologies  | 3         |
| MGMT 680<br>or MGMT 692        | Entrepreneurial Strategy<br>Strategic Management                   | 3         |
| Select three of the following: |  | 9         |
| ACCT 615                       | Management Accounting  |           |
| FIN 624                        | Corporate Finance II   |           |
| MGMT 640                       | New Venture Management   |           |
| MGMT 645                       | New Venture Finance  |           |
| MIS 645                        | Information Technology and Competitive Advantage                   |           |
| MRKT 630                       | Models Of Consumer Behavior  |           |
| MRKT 638                       | Sales Management for Technical Professionals                       |           |
| <b>Total Credits</b>           |  | <b>36</b> |

In addition to existing architecture courses, the M.S. in Management comprises 36 credits. Note: This program was under revision at press time. Students should contact Elly Matzko, student advisor, for the current curriculum.