

# Architectural Studies and Business Administration, BS (Boston)

The combined major in architectural studies and business administration focuses on advancing environmentally, socially, and economically sustainable urban development and innovating governance, finance, and business practices associated with the built environment: architecture, urban planning, real estate and resource development, management, and construction. Students build knowledge and skills associated with the analysis, design, construction, historical context, and technologies of the built environment. Simultaneously, students advance their knowledge in the theory and practice of management, economics, accounting, and quantitative methods. The curriculum offers study of economic and financial systems and how those systems operate. Through integrative courses, co-op opportunities, experiential learning, and capstone projects, students specifically study real estate, urban development, regulations of the built environment, and the innovation of new business models in historical and contemporary contexts.

This combined major is organized to position students toward careers in public agencies, private business, institutions, and nonprofit sectors. The program capitalizes on relationships with a vast range of affiliates in such sectors across the global network of Northeastern University.

## Program Requirements

### Foundational Coursework

| Code                      | Title                                                                             | Hours |
|---------------------------|-----------------------------------------------------------------------------------|-------|
| ARCH 1000<br>or BUSN 1102 | Architecture at Northeastern<br>Personal Skill Development for Business           | 1     |
| EEAM 2000<br>or BUSN 1103 | Professional Development for Co-op<br>Professional Development for Business Co-op | 1     |

### Architectural Studies Courses

| Code                                                                                                                                                                                                                             | Title                                                                  | Hours       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|-------------|
| <b>Required Courses</b>                                                                                                                                                                                                          |                                                                        |             |
| ARCH 1110                                                                                                                                                                                                                        | Fundamental Architectural Representation                               | 4           |
| ARCH 1120                                                                                                                                                                                                                        | Fundamental Architectural Design                                       | 6           |
| ARCH 1310<br>and ARCH 1311                                                                                                                                                                                                       | Buildings and Cities, A Global History<br>and Recitation for ARCH 1310 | 4           |
| ARCH 2130                                                                                                                                                                                                                        | Site, Space, Program                                                   | 6           |
| ARCH 2140                                                                                                                                                                                                                        | Urban Housing                                                          | 6           |
| ARCH 5530                                                                                                                                                                                                                        | Innovative Models in Real Estate Development and Design                | 4           |
| LARC 2330                                                                                                                                                                                                                        | Cities, Landscape, and Modern Culture                                  | 4           |
| <b>Electives</b>                                                                                                                                                                                                                 |                                                                        | <b>8-12</b> |
| Note: Students who plan to apply for admission to the two-year Master of Architecture degree program should choose the following electives, in addition to completing calculus and physics: ARCH 2240, ARCH 3170, and ARCH 5230. |                                                                        |             |
| ARCH 1450                                                                                                                                                                                                                        | Understanding Design                                                   |             |
| ARCH 1453                                                                                                                                                                                                                        | Designing the American City: Civic Aspirations and Urban Form          |             |
| ARCH 2240                                                                                                                                                                                                                        | Architectonic Systems                                                  |             |
| ARCH 2260                                                                                                                                                                                                                        | Introduction to Building Systems                                       |             |
| ARCH 2340                                                                                                                                                                                                                        | Modern Architecture                                                    |             |
| ARCH 3170                                                                                                                                                                                                                        | Architecture, Infrastructure, and the City                             |             |
| ARCH 5230<br>and ARCH 5231                                                                                                                                                                                                       | Structural Systems<br>and Recitation for ARCH 5230                     |             |
| ARCH 5530                                                                                                                                                                                                                        | Innovative Models in Real Estate Development and Design                |             |
| LARC 2130                                                                                                                                                                                                                        | Sustainable Urban Site Design                                          |             |
| LARC 2230                                                                                                                                                                                                                        | Introduction to Sustainable Site Planning and Design                   |             |
| LARC 2340                                                                                                                                                                                                                        | Cities, Landscape, and Contemporary Culture                            |             |
| LARC 2430                                                                                                                                                                                                                        | Plants, People, and Landscape Change                                   |             |
| LARC 2440                                                                                                                                                                                                                        | Planting Design                                                        |             |

### Business Administration Courses

| Code                    | Title                              | Hours |
|-------------------------|------------------------------------|-------|
| <b>Required Courses</b> |                                    |       |
| ACCT 1201               | Financial Accounting and Reporting | 4     |

|                                                                                          |                                                                                                          |   |
|------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---|
| ECON 1116                                                                                | Principles of Microeconomics                                                                             | 4 |
| or ECON 1115                                                                             | Principles of Macroeconomics                                                                             |   |
| MATH 1231                                                                                | Calculus for Business and Economics (MATH1231 is highly recommended for students in this combined major) | 4 |
| or MATH 1241                                                                             | Calculus 1                                                                                               |   |
| or MATH 1245                                                                             | Calculus with Applications                                                                               |   |
| or MATH 1251                                                                             | Calculus and Differential Equations for Biology 1                                                        |   |
| or MATH 1340                                                                             | Intensive Calculus for Engineers                                                                         |   |
| or MATH 1341                                                                             | Calculus 1 for Science and Engineering                                                                   |   |
| Complete one of the following (MGSC 2301 is highly recommended for this combined major): |                                                                                                          | 4 |
| MATH 2280                                                                                | Statistics and Software                                                                                  |   |
| MATH 3081                                                                                | Probability and Statistics                                                                               |   |
| MGSC 2301                                                                                | Business Statistics                                                                                      |   |

### Electives

|                                                |                                                              |    |
|------------------------------------------------|--------------------------------------------------------------|----|
| Complete 16 semester hours from the following: |                                                              | 16 |
| ACCT 2301                                      | Profit Analysis for Managers and Advisors                    |    |
| FINA 2201                                      | Financial Management                                         |    |
| INNO 2301                                      | Innovation!                                                  |    |
| INTB 1203                                      | International Business and Global Social Responsibility      |    |
| MISM 2301                                      | Introduction to Information Systems and Digital Technologies |    |
| MKTG 2201                                      | Introduction to Marketing                                    |    |
| ORGB 3201                                      | Organizational Behavior                                      |    |
| or ORGB 3203                                   | Behavioral Aspects of Digital Transformation                 |    |
| SCHM 2301                                      | Supply Chain and Operations Management                       |    |

### Concentrations

Complete one of the following business concentrations:

- Accounting (<https://catalog.northeastern.edu/undergraduate/business/concentrations/accounting/>)
- Accounting and Advisory Services (<https://catalog.northeastern.edu/undergraduate/business/concentrations/accounting-advisory-services/>)
- Brand Management (<https://catalog.northeastern.edu/undergraduate/business/concentrations/brand-management/>)
- Business Analytics (<https://catalog.northeastern.edu/undergraduate/business/concentrations/business-analytics/>)
- Corporate Innovation (<https://catalog.northeastern.edu/undergraduate/business/concentrations/corporate-innovation/>)
- Entrepreneurial Startup (<https://catalog.northeastern.edu/undergraduate/business/concentrations/entrepreneurial-startups/>)s
- Finance (<https://catalog.northeastern.edu/undergraduate/business/concentrations/finance/>)
- Fintech (<https://catalog.northeastern.edu/undergraduate/business/concentrations/fintech/>)
- Healthcare Management and Consulting (<https://catalog.northeastern.edu/undergraduate/business/concentrations/healthcare-management-consulting/>)
- International Business (<https://catalog.northeastern.edu/undergraduate/business/concentrations/international-business/>) (available only as a second concentration)
- Management (<https://catalog.northeastern.edu/undergraduate/business/concentrations/management/>)
- Management Information Systems (<https://catalog.northeastern.edu/undergraduate/business/concentrations/management-information-systems/>)
- Marketing (<https://catalog.northeastern.edu/undergraduate/business/concentrations/marketing/>)
- Marketing Analytics (<https://catalog.northeastern.edu/undergraduate/business/concentrations/marketing-analytics/>)
- Social Innovation and Entrepreneurship (<https://catalog.northeastern.edu/undergraduate/business/concentrations/social-innovation-entrepreneurship/>)
- Supply Chain Management (<https://catalog.northeastern.edu/undergraduate/business/concentrations/supply-chain-management/>)

### Capstone Requirement

| Code         | Title                          | Hours |
|--------------|--------------------------------|-------|
| ARCH 4960    | Architectural Studies Capstone | 4     |
| or STRT 4501 | Strategy in Action             |       |

**Integrative Coursework**

| Code      | Title                              | Hours |
|-----------|------------------------------------|-------|
| ARCH 5314 | Planning and the Built Environment | 4     |

**Experiential Requirements**

| Code         | Title                                            | Hours |
|--------------|--------------------------------------------------|-------|
| COOP 3945    | Co-op Work Experience                            | 0     |
| or BUSN 4945 | In-the-Field Experiential Professional Practicum |       |
| or COOP 3946 | Co-op Work Experience–Half Time                  |       |
| or COOP 3947 | Co-op Work Experience Abroad–Half Time           |       |
| or COOP 3948 | Co-op Work Experience Abroad                     |       |
| or EEBA 2945 | Internship Experience                            |       |
| or EEBA 2948 | Internship Experience Abroad                     |       |

**Combined Major GPA Requirement**

Minimum 2.500 GPA required

**Business GPA Requirement**

Minimum 2.000 GPA required in all business courses

**Program Requirement**

128 total semester hours required

**Plan of Study****Sample Plan of Study****FOUR YEARS, TWO CO-OPS IN SUMMER SECOND HALF/FALL****Year 1**

| Fall                   | Hours     | Spring              | Hours     | Summer 1                  | Hours    |
|------------------------|-----------|---------------------|-----------|---------------------------|----------|
| ARCH 1000 or BUSN 1102 |           | 1 ARCH 2130         |           | 6 ARCH 1310 and ARCH 1311 | 4        |
| ARCH 1110              | 4         | ECON 1115 or 1116   | 4         | MATH 1231                 | 4        |
| ARCH 1120              | 6         | MGSC 2301           | 4         |                           |          |
| ACCT 1201              | 4         | Business elective 1 | 4         |                           |          |
| ENGW 1111              | 4         |                     |           |                           |          |
|                        | <b>19</b> |                     | <b>18</b> |                           | <b>8</b> |

**Year 2**

| Fall                     | Hours     | Spring                             | Hours        | Summer 1                     | Hours    | Summer 2    | Hours    |
|--------------------------|-----------|------------------------------------|--------------|------------------------------|----------|-------------|----------|
| ARCH 2140                |           | 6 Architectural studies elective 1 |              | 4-6 Business concentration 3 |          | 4 COOP 3945 | 0        |
| LARC 2330                | 4         | ARCH 5530                          | 4            | Business elective 4          | 4        |             |          |
| Business concentration 1 | 4         | Business concentration 2           | 4            |                              |          |             |          |
| Business elective 2      | 4         | Business elective 3                | 4            |                              |          |             |          |
|                          |           | EEAM 2000 or BUSN 1103             | 1            |                              |          |             |          |
|                          | <b>18</b> |                                    | <b>17-19</b> |                              | <b>8</b> |             | <b>0</b> |

**Year 3**

| Fall      | Hours    | Spring                           | Hours        | Summer 1           | Hours    | Summer 2  | Hours    |
|-----------|----------|----------------------------------|--------------|--------------------|----------|-----------|----------|
| COOP 3945 | 0        | ENGW 3314 or 3304                | 4            | General elective 2 | 4        | COOP 3945 | 0        |
|           |          | Architectural studies elective 2 | 4-6          | General elective 3 | 4        |           |          |
|           |          | Business concentration 4         | 4            |                    |          |           |          |
|           |          | General elective 1               | 4            |                    |          |           |          |
|           | <b>0</b> |                                  | <b>16-18</b> |                    | <b>8</b> |           | <b>0</b> |

**Year 4**

| Fall      | Hours | Spring                 | Hours |
|-----------|-------|------------------------|-------|
| COOP 3945 | 0     | ARCH 4960 or STRT 4501 | 4     |

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|                                     |    |
|-------------------------------------|----|
| ARCH 5314                           | 4  |
| General elective 4                  | 4  |
| Architectural studies<br>elective 3 | 4  |
| 0                                   | 16 |

Total Hours: 128-132