

# B.S. in Science, Technology & Society and B.S. in Business and Information Systems

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(Minimum 120 credits)

**First Year**

| <b>1st Semester</b>   |  | <b>Credits</b> |
|---|--|----------------|
| CS 100  | Roadmap to Computing   | 3              |
| MATH 101<br>or MATH 138   | Foundations of Mathematics for the Liberal Arts<br>or General Calculus I | 3              |
| ENGL 101  | English Composition: Introduction to Academic Writing                    | 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              |
| Natural Science LAB 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> ) |  | 1              |
| STS 201   | Understanding Technological Society                                      | 3              |
| YWCC 107  | Computing as a Career  | 1              |
| <b>Term Credits</b>   |  | <b>17</b>      |

**2nd Semester**

|   |   |           |
|---|---|-----------|
| IS 117  | Introduction to Website Development                       | 3         |
| ENGL 102  | English Composition: Introduction to Writing for Research | 3         |
| MATH 105  | Elementary Probability and Statistics                     | 3         |
| ECON 201  | Economics   | 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         |
| <b>Term Credits</b>   |   | <b>15</b> |

**Second Year****1st Semester**

|                         |  |           |
|-------------------------|--|-----------|
| FIN 218                 | Financial Markets and Institutions                                     | 3         |
| ACCT 117<br>or ACCT 115 | Principles Of Fin Accountng<br>or Fundamentals of Financial Accounting | 3         |
| STS 308                 | Globalization  | 3         |
| IS 265                  | Introduction to Information Systems                                    | 3         |
| IS 247                  | Designing the User Experience  | 3         |
| <b>Term Credits</b>     |  | <b>15</b> |

**2nd Semester**

|                              |                               |           |
|------------------------------|-------------------------------|-----------|
| IS 218                       | Building Web Applications     | 3         |
| MGMT 216                     | Business Data Analytics       | 3         |
| IS 375                       | Discovering User Needs for UX | 3         |
| STS 310                      | Technology and Human Values   | 3         |
| STS 300-Level Track Course 1 |                               | 3         |
| YWCC 207                     | Computing & Effective Com     | 1         |
| <b>Term Credits</b>          |                               | <b>16</b> |

**Third Year****1st Semester**

|                     |  |           |
|---------------------|--|-----------|
| STS 304             | Qualitative Research Methods in the Social and Behavioral Sciences | 3         |
| IS 350              | Computers, Society and Ethics                                      | 3         |
| MRKT 330            | Principles of Marketing  | 3         |
| FIN 315             | Fundamentals of Corporate Finance                                  | 3         |
| IS 344              | Computing Applications in Business                                 | 3         |
| <b>Term Credits</b> |  | <b>15</b> |

**2nd Semester**

|                              |   |           |
|------------------------------|---|-----------|
| STS 307                      | Quantitative Research Methods in the Social and Behavioral Sciences | 3         |
| 300 Level STS Specialization |   | 3         |
| IT 120                       | Introduction to Network Technology                                  | 3         |
| HRM 301                      | Organizational Behavior   | 3         |
| IS 390                       | Requirements Analysis and Systems Design                            | 3         |
| YWCC 307                     | Professional Dev in Computing                                       | 1         |
| <b>Term Credits</b>          |   | <b>16</b> |

**Fourth Year****1st Semester**

|                              |   |           |
|------------------------------|---|-----------|
| STS 490                      | Project and Seminar I   | 3         |
| IE 492<br>or ENTR 210        | Engineering Management<br>or Introduction to Entrepreneurship | 3         |
| IS 455                       | IS Mgmt & Business Processes                                  | 3         |
| MGMT 391                     | International Business  | 3         |
| STS 300-Level Track Course 2 |   | 3         |
| <b>Term Credits</b>          |   | <b>15</b> |

**2nd Semester**

|  |   |            |
|--|---|------------|
| IS 491<br>or IT 491  | Senior Project - IS<br>or IT Capstone Project | 3          |
| IS 465   | Advanced Information Systems                  | 3          |
| Humanities and Social Science Senior Seminar GER ( <a href="http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/hss-capstone/">http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/hss-capstone/</a> ) |   | 3          |
| STS 491  | Project & Seminar II                          | 2          |
| <b>Term Credits</b>  |   | <b>11</b>  |
| <b>Total Credits</b>   |   | <b>120</b> |

**Electives**

| Code  | Title | Credits |
|---|-------|---------|
| <b>Major Option</b>   |       |         |
| Select appropriate electives in consultation with an advisor <sup>1</sup> |       | 18      |
| <b>Free Electives</b>   |       |         |
| Students select appropriate electives in consultation with an advisor.    |       |         |

<sup>1</sup> Usually the Director of the STS Program. Courses may be selected from different disciplines but must comprise a coherent program of study within an option.

Refer to the **General Education Requirements** for further information on electives.

**Specializations**

- Mind, Behavior, and Society
- Environmental and Sustainability Studies
- Race and Gender in Science in Technology
- Politics, History, and Ethics in Science and Technology
- Music, Literature, and Culture in a Technological Society

**Co-op**

Co-op courses replace electives with the approval of an advisor. In science, technology and society, STS 311 Co-op Work Experience I and STS 411 Co-op Work Experience II are taken for degree credit.