### Basic Requirements

<table>
<thead>
<tr>
<th>Units</th>
<th>Basic Requirements</th>
<th>Transfer Credits</th>
<th>Completed at WU</th>
<th>In Progress</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>English Composition (U11-101, 203, and one 300-level composition course)</td>
<td>Max 84 (66 from a 2 year college)</td>
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</tbody>
</table>

### Distribution Requirements

<table>
<thead>
<tr>
<th>Units</th>
<th>Humanities</th>
<th>Social Science</th>
<th>Natural Sciences and Mathematics</th>
<th>Languages and the Arts</th>
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</thead>
<tbody>
<tr>
<td>9</td>
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<tr>
<td>Major Requirements</td>
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<tr>
<td><strong>30</strong> Core Courses: U29 364, U29 209, U22 2352, U19 344, U25 3311, U07 355, U69 361, U19 328, U65 344, U44 358</td>
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<tr>
<td><strong>15</strong> Concentration: U19 450 Required Capstone/Practicum (3 units)</td>
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<tr>
<td>Additional courses chosen from: U29 413, U29 419, U82 435, U13 107, U16 3643, U19 146, E63 262, E63 449, E63 438</td>
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<tr>
<td>General Electives</td>
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<tr>
<td>Matriculation Date:</td>
<td>GPA:</td>
<td>Total earned units (120 required for the Bachelor of Science):</td>
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</table>
Basic Requirements

**English:** (9 credits) Principles of Writing (EComp 101), Critical and Researched Writing (EComp 203), one Advanced Writing course (any 3 credit 300-level or higher English Composition course). EComp 203 and the Advanced Writing course are required of all undergraduate degree candidates, and these courses must be taken at Washington University.

**Numerical Applications:** (3 credits with a minimum grade of C-) choose from the following: Econ 231 (Economic Statistics), Math 1011 (Intro to Statistics), Math 123 (Programming in C), Math 141 (Pre-Calculus I), Math 142 (Pre-Calculus II), Math 155 (Calculus I), Math 156 (Calculus II), Math 205 (Applied Statistics Online), Math 210 (The Art of Mathematical Thinking), Math 212 (Sports and Statistics), Math 255 (Calculus III), Math 256 (Calculus IV), and 300-level and higher math classes, PolSci 323 (Introduction to Quantitative Methods) or Psych 300 (Psychological Statistics).

**Non-Western Culture:** (3 credits) Courses that satisfy the non-Western culture requirement focus on the study of cultures in societies outside of English-speaking North America and Western Europe, including Africa, East Asia, South Asia, Europe, Latin America, or the Middle East, and encourage students to explore issues of human diversity within such cultures.

Courses that count toward the Major also may count toward Basic Requirements for Numerical Applications or Non-Western Culture, but if applied in this manner, they may not count toward Distribution Requirements.

Distribution Requirements

**Humanities:** (9 credits) Courses from Art History, Classics, History*, Literature, Philosophy, and Religious Studies.

**Social Sciences:** (9 credits) Courses from Anthropology, Economics, History*, Political Science, and Psychology.

**Natural Sciences and Mathematics:** (9 credits) Courses from Biology, Chemistry, Earth and Planetary Sciences, Mathematics, Physics, and Science.

**Languages and the Arts:** (9 credits) Creative Writing, Dance, Drama, Film Studies, Foreign Languages, Music, Speech, and Studio Art.

A maximum of six units from the same discipline may apply toward any distribution requirement.

*History courses may satisfy either the Humanities or Social Sciences requirement but not both.

**GPA requirements:** To receive the Bachelor of Science degree, you must maintain a 2.0 GPA in all courses taken and receive a grade of C- or better in all courses applied to your major.

**Residency Requirement:** You must complete the final 36 units of course work toward the Bachelor of Science degree at Washington University. At least half the credits for the major and at least 30 units of advanced (300-400 level) courses must be completed at Washington University.

### MAJOR IN SUSTAINABILITY

**Concentration in Environment and Science**

**Core (30 units):**
- U29 364 Global Sustainability
- U29 209 Introduction to Environmental Studies
- U22 2352 Environmental Ethics
- U19 344 International Development and Sustainability
- U25 3311 Environmental and Energy Issues
- U07 355 Environmental Economics
- U69 361 Culture and Environment
- U19 328 Environmental Law
- U65 344 Nature Writing and Environmentalism
- U44 358 Systems Thinking and Decision Analysis

**Concentration (15 units):**
- U19 450 Required Capstone/Practicum (3 units)

Additional courses chosen from:
- U29 413 Environmental Science: Regional and Global Perspectives
- U29 419 Ecology
- U82 435 GIS for Engineering Application
- U13 107 Environmental Geology and Energy
- U16 3643 Science and Society
- U19 146 Introduction to Energy, Environmental, and Chemical Engineering
- E63 262 Introduction to Environmental Engineering
- E63 449 Sustainable Air Quality
- E63 348 Environmental Risk Assessment and Toxicology

*Other courses with authorization.

Students also are advised to take Calculus and Statistics, either toward Distribution Requirements or as General Electives.