<table>
<thead>
<tr>
<th>Units</th>
<th>Course Description</th>
<th>Transfer Credits</th>
<th>Completed at WU</th>
<th>In Progress</th>
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</thead>
<tbody>
<tr>
<td></td>
<td><strong>BASIC REQUIREMENTS</strong> - in effect Spring 2019 - Ecomp 111 and 203 requirements should be satisfied by the time you have completed your first 18 units.</td>
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<td>9</td>
<td><strong>English Composition</strong>&lt;br&gt;• U11 111 Analytical Writing&lt;br&gt;• U11 203 Critical and researched Writing&lt;br&gt;• Advanced writing course – choose one:&lt;br&gt;  o U11 304 Exposition&lt;br&gt;  o U11 3120 Argumentation&lt;br&gt;  o U11 324 Writing for Public Speaking&lt;br&gt;  o U11 331 Technical Writing</td>
<td>Max 84 (66 from a 2 year college)</td>
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<td>3</td>
<td><strong>Cultural Diversity</strong>&lt;br&gt;Designated by CD attribute on course listing</td>
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<td>3</td>
<td><strong>Moral Reasoning</strong>&lt;br&gt;Designated by ML attribute on course listing</td>
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<tr>
<td>3</td>
<td><strong>Numerical Applications</strong></td>
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<td><strong>DISTRIBUTION REQUIREMENTS</strong> - A maximum of six units of credit from the same discipline may apply toward any distribution requirement.</td>
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<tr>
<td>9</td>
<td><strong>Humanities</strong>&lt;br&gt;Courses from Art History, Classics, History, Literature, Philosophy, and Religious Studies</td>
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<td>9</td>
<td><strong>Social Sciences</strong>&lt;br&gt;Courses from Anthropology, Economics, History, Political Science, Psychology, and Sociology</td>
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<td>9</td>
<td><strong>Natural Sciences and Mathematics</strong>&lt;br&gt;Courses from Biology, Chemistry, Earth &amp; Planetary Sciences, Mathematics, Physics, and other Sciences</td>
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<td>9</td>
<td><strong>Languages and the Arts</strong>&lt;br&gt;Courses from Creative Writing, Dance, Drama, Film Studies, Foreign Languages, Music, Speech, and Studio Art</td>
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</table>
# MAJOR REQUIREMENTS

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.

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<tbody>
<tr>
<td><strong>Required Courses</strong></td>
<td></td>
<td>Max 84 (66 from a 2 year college)</td>
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<td>17</td>
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<tr>
<td><strong>Professional Courses</strong></td>
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<tr>
<td><strong>General Electives</strong></td>
<td>Recommended Supplemental Courses</td>
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### UNOFFICIAL EVALUATION

Total earned units of credit (120 required for the Bachelor of Science):
BASIC REQUIREMENTS

A single course can count toward any two of the following categories: major requirements; basic requirements for numerical applications, cultural diversity, or moral reasoning; distribution requirements.

**English Composition** (9 units of credit)
All required English Composition courses must be completed at Washington University with a minimum grade of C.
- U11 111 Analytical Writing
- U11 203 Critical and Researched Writing
- Advanced writing course—choose one:
  - U11 304 Exposition
  - U11 3120 Argumentation
  - U11 324 Writing for Public Speaking
  - U11 331 Technical Writing

**Cultural Diversity** (3 units of credit)
Courses that satisfy the cultural diversity explore issues of global human diversity and the interactions among cultures, with a focus on societies of Africa, East Asia, South Asia, Latin America, or the Middle East, or indigenous peoples of the Americas. Designated by CD on course listings.

**Moral Reasoning** (3 units of credit)
Designated by ML on course listings.

**Numerical Applications** (3 units of credit)
Numerical Applications course must be completed with a minimum grade of C-.
- Any course from the Math department, including statistics and programming courses, except U20 140 Algebra
- U03 117 Quantitative Reasoning
- U07 231 Economic Statistics
- U09 300 Introductory Psychological Statistics
- U25 323 Introduction to Quantitative Methods

DISTRIBUTION REQUIREMENTS

A maximum of six units of credit from the same discipline may apply toward any distribution requirement. A given History course may satisfy either the Humanities or Social Sciences requirement, but not both. Please seek advisor approval if you are unsure whether a course satisfies a particular requirement.

**Humanities** (9 units of credit)
Art History, Classics, History, Literature, Philosophy, and Religious Studies

**Social Sciences** (9 units of credit)
Anthropology, Economics, History, Political Science, Psychology, and Sociology

**Natural Sciences and Mathematics** (9 units of credit)
Biology, Chemistry, Earth and Planetary Sciences, Mathematics, Physics, and Science

**Languages and the Arts** (9 units of credit)
Creative Writing, Dance, Drama, Film Studies, Foreign Languages, Music, Speech, and Studio Art

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MAJOR IN CLINICAL RESEARCH MANAGEMENT

**Required Courses** (17 units of credit)
- U29 101 General Biology I with lab
- U29 102 General Biology II with lab
- U29 206 Biomedical Ethics
  OR U22 233 Biomedical Ethics
- U29 3221 Introduction to Anatomy and Physiology I (w/o lab)
- U29 3231 Introduction to Anatomy and Physiology II (w/o lab)

**Professional Courses** (21 units of credit)
- U80 250 Fundamentals of Clinical Research Management I
- U80 251 Fundamentals of Clinical Research Management II
- U80 318 Introduction to Data and Information Management in Health Sciences
- U80 325 Research Ethics and Regulatory Affairs
- U80 353 Pharmacology for Clinical Research
- U80 330 Business of Clinical Research
- U80 350 Practicum/Capstone

**Recommended Supplemental Courses**
- U20 1011 Introduction to Statistics
  OR U20 205 Applied Statistics
  OR U20 305 Probability & Statistics I
- U09 322 Developmental Psychology
- U09 358 Health Psychology
- U44 339 Principles of Management
- U44 305 Leadership for Organizational Success

ADDITIONAL DEGREE REQUIREMENTS

**GPA requirements:** To receive the Bachelor of Science degree, you must maintain a 2.0 cumulative GPA 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 credit 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.