### COLLEGE of ARTS & SCIENCES

**Language Requirement**

All students who major in the College of Arts & Sciences are required to demonstrate competence in a second language. For complete details: https://www.gonzaga.edu/college-of-arts-sciences/about/information-for-students/language-requirement-information

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### UNIVERSITY CORE REQUIREMENTS:

- **FUNDAMENTAL CORE COURSES**
  - **Year 1: Understanding & Creating**
    - Writing
      - ENGL 101 Writing (fulfills 3 credits Writing Enriched)*
    - Reasoning
      - PHIL 101 Reasoning
    - First Year Seminar
      - Dept. 193
    - Communication & Speech
      - COMM 100 Communication & Speech
    - Math
      - MATH 100 (must be above Math 100)
    - Scientific Inquiry (2cr + 1cr lab)
      - BIOL or CHEM or PHYS 104/104L (taken year 1 or 2)
  - **Year 2: Being & Becoming**
    - Christianity & Catholic Traditions
      - RELI (see approved list)**
    - Philosophy of Human Nature
      - PHIL 201
  - **Year 3: Caring & Doing**
    - World/Comparative Religion
      - RELI (see approved list)** (fulfills 3cr Global Studies)*
    - Ethics
      - PHIL 301 Ethics or RELI 330 Principles-Christian Morality
  - **Year 4: Imagining the Possible**
    - Core Integration Seminar
      - Dept. 432

**NOTE: some courses have pre-requisites, check the catalog carefully!**

### BROADENING COURSES - see approved list**

- Literature
  - 3
- History
  - 3
- Fine Arts & Design
  - 3

### REQUIRED COURSE DESIGNATIONS - see approved list**

- Writing Enriched
  - 9 total
- Social Justice
  - 3 total
- Global Studies
  - 6 total

**for list of approved RELI, Broadening & Designated courses, see:** https://my.gonzaga.edu/academics/undergraduate-programs/general-degree-requirements-procedures/university-core

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### COMPUTER SCIENCE REQUIREMENTS

**LOWER DIVISION**

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Credit</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPSC</td>
<td>121 Computer Science I</td>
<td>3</td>
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</tr>
<tr>
<td>CPSC</td>
<td>122 Computer Science II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CPSC</td>
<td>223 Algorithm/Abstract Data Structures</td>
<td>3</td>
<td></td>
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<tr>
<td>CPSC</td>
<td>224 Software Development</td>
<td>3</td>
<td></td>
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<tr>
<td>MATH</td>
<td>231 Discrete Structures</td>
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**One of the following two courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Credit</th>
<th>Grade</th>
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</thead>
<tbody>
<tr>
<td>MATH</td>
<td>148 Survey of Calculus</td>
<td>3</td>
<td></td>
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<tr>
<td>MATH</td>
<td>157 Calculus-Analytic Geometry I</td>
<td>4</td>
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**UPPER DIVISION**

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Credit</th>
<th>Grade</th>
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</thead>
<tbody>
<tr>
<td>CPSC</td>
<td>491 Software Engineering</td>
<td>2</td>
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</tr>
<tr>
<td>CPSC</td>
<td>491L &amp; 492L Sr. Design Project Lab I &amp; II</td>
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<tr>
<td>CPSC</td>
<td>499 Computers &amp; Society</td>
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**Computer Science Electives:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Credit</th>
<th>Grade</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>any CPSC 200, 300, or 400-level course</td>
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**ENVIROMENTAL STUDIES CONCENTRATION**

<table>
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<tr>
<th>Course</th>
<th>Course Title</th>
<th>Credit</th>
<th>Grade</th>
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</thead>
<tbody>
<tr>
<td>ENVS</td>
<td>101 Intro to Environmental Studies</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ENVS</td>
<td>103/103L Environmental Biology &amp; Lab</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>ENVS</td>
<td>104/104L Environmental Chemistry &amp; Lab</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>ENVS</td>
<td>200 Case Studies in Environmental Science</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

**B.A. COMPUTER SCIENCE & COMPUTATIONAL THINKING**

**55-59 Credits**

- **LOWER DIVISION**
  - 18-19 Credits
  - **One of the following two courses:**
    - MATH 148 Survey of Calculus
    - MATH 157 Calculus-Analytic Geometry I
  - **UPPER DIVISION**
    - 25 Credits
    - First Year Seminar
    - Dept. 193
    - Communication & Speech
    - COMM 100 Communication & Speech
    - Math
    - MATH 231 Discrete Structures
    - **Computer Science Electives:**
      - 18 Credits
      - any CPSC 200, 300, or 400-level course
    - **Environmental Studies Concentration**
      - 15 Credits
      - ENVS 101 Intro to Environmental Studies
      - ENVS 103/103L Environmental Biology & Lab
      - ENVS 104/104L Environmental Chemistry & Lab
      - ENVS 200 Case Studies in Environmental Science

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**NOTE!**

- 9 of the 18 elective credits to be determined by the DCT Committee to best coincide with the chosen concentration.
- A maximum of three electives (9 credits) may be 200-level courses.
- A maximum of five 200-level Computer Science courses may be used in the entire major.
- Many upper division CPSC courses require CPSC 260 as a pre-requisite, see the undergraduate catalog for details.