### Campuswide General Education Requirements

<table>
<thead>
<tr>
<th>Check when Complete</th>
<th>Fundamental Literacies</th>
<th>Course</th>
<th>Sem/Yr. Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>A. Writing</strong> (ENG requires C or higher)</td>
<td>ENG-W 131</td>
<td></td>
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<tr>
<td></td>
<td><strong>B. Critical Thinking</strong></td>
<td>PHIL-P 105, P150, P110, SPCH-S 228, ENG-W 270</td>
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<tr>
<td></td>
<td><strong>C. Oral Communication</strong></td>
<td>SPCH-S 121</td>
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<td></td>
<td><strong>D. Visual Literacy</strong></td>
<td>FINA-A 100 (will convert to A 109), JOUR-J 210, EDUC-W 200</td>
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<td></td>
<td><strong>E. Quantitative Reasoning</strong></td>
<td>MATH-M 215</td>
<td></td>
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<td></td>
<td><strong>C. Information Literacy (1 cr)</strong></td>
<td>COAS-Q 110</td>
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<tr>
<td></td>
<td><strong>G. Computer Literacy</strong></td>
<td>Recommend</td>
<td></td>
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<tr>
<td></td>
<td>BUS-K 201, CSCI-A 106, A 107, A 201, C 101, C 201, INFO-I 101, I 210, I 211, PHIL-P 250</td>
<td>CSCI-C101</td>
<td></td>
</tr>
</tbody>
</table>

#### Common Core Courses

One course in each of the following areas; one course must be at the 300-level.

<table>
<thead>
<tr>
<th></th>
<th><strong>A. The Natural World</strong></th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Any N190 or N390 designate (AST, BIOL, CHEM, GEOL, MATH, PHYS)</td>
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<tr>
<td></td>
<td><strong>B. Human Behavior and Social Institutions</strong></td>
</tr>
<tr>
<td></td>
<td>Any B 190 or B 399 designate (ANTH, POLS, PSY, SOC)</td>
</tr>
<tr>
<td></td>
<td><strong>C. Literary and Intellectual Traditions</strong></td>
</tr>
<tr>
<td></td>
<td>Any T 190 or T 390 designate (CMLT, ENG, FINA, HIST, PHIL)</td>
</tr>
<tr>
<td></td>
<td><strong>D. Art, Aesthetics and Creativity</strong></td>
</tr>
<tr>
<td></td>
<td>Any A 190 or A 399 designate (FINA, MUS, THTR)</td>
</tr>
</tbody>
</table>

#### Contemporary Social Values

<table>
<thead>
<tr>
<th></th>
<th><strong>A. Non-Western Cultures</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>*See CLAS website for current list of GE courses.</td>
</tr>
<tr>
<td></td>
<td><strong>B. Diversity in U.S. Society</strong></td>
</tr>
<tr>
<td></td>
<td>*See CLAS website for current list of GE courses.</td>
</tr>
<tr>
<td></td>
<td><strong>C. Health and Wellness (2 cr.)</strong></td>
</tr>
<tr>
<td></td>
<td>*See CLAS website for current list of GE courses.</td>
</tr>
</tbody>
</table>

#### Additional CLAS B.A. Requirements (14 - 23 cr.)

**Language Study**

- EALC (Japanese), FREN, GER, SPAN
  (Successful completion of a fourth-semester language class, designated as 204 in the catalogue.) Or Formal training, (secondary or university), in a language other than English.

**Natural Sciences (3 cr.) and Lab (2 cr.)**

- CLAS requires BA students take 5 credit hours in the natural sciences, in addition to N 190 The Natural World. (Select from anatomy, astronomy, biology, chemistry, geology, microbiology, physiology, physics, or plant sciences.) These requirements can also be satisfied by a single 5 credit hour integrated lecture/laboratory course.

*GE courses: [https://www.iusb.edu/clas-advising/gen_ed_requirements.php](https://www.iusb.edu/clas-advising/gen_ed_requirements.php) (Continue on back side or page 2)
### Advising sheet for B.A. in Mathematics

<table>
<thead>
<tr>
<th>Course</th>
<th>Sem/Yr. Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Junior/Senior Level Writing (3 Credits)</td>
<td></td>
</tr>
<tr>
<td>Western Culture before 1800 (3 cr.)</td>
<td></td>
</tr>
<tr>
<td>Required Minor in: (15 - 18 cr.) (recommended Minors: Physics or Computer Science)</td>
<td></td>
</tr>
</tbody>
</table>

#### Mathematics Requirements (33-36 cr)

<table>
<thead>
<tr>
<th>Course</th>
<th>Sem/Yr. Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calculus I (5 cr.)</td>
<td>M215</td>
</tr>
<tr>
<td>Calculus II (5 cr.)</td>
<td>M216</td>
</tr>
<tr>
<td>Applied Linear Algebra (3-4 cr.)</td>
<td>M301</td>
</tr>
<tr>
<td>Calculus III (5 cr.)</td>
<td>M311</td>
</tr>
<tr>
<td>Introduction to Mathematical Reasoning (3 cr.)</td>
<td>M391</td>
</tr>
<tr>
<td>Introduction to Modern Algebra I (3 cr.)</td>
<td>M403</td>
</tr>
<tr>
<td>Introduction to Analysis(3 cr.)</td>
<td>M413</td>
</tr>
</tbody>
</table>

And **ONE of the Following OPTIONS**

**OPTION A**

<table>
<thead>
<tr>
<th>Course</th>
<th>Sem/Yr. Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Natural World: Math as Human Activity (3 cr.)</td>
<td>N390</td>
</tr>
<tr>
<td>Topics in Euclidean Geometry (3 cr.)</td>
<td>T336</td>
</tr>
</tbody>
</table>

And one additional course from the following list: M343, M344, M365 (or M260+M261), M404, M405, M409, M414, M415, M420, M427, M435, M436, M447, M448, M463, M466, M471, M472 , or approved grad courses

**OPTION B**

<table>
<thead>
<tr>
<th>Course</th>
<th>Sem/Yr. Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two courses from the following list, one of which must be a 400-level mathematics course: M343, M344, M365 (or M260+M261), M380, M404, M405, M409, M414, M415, M420, M427, M435, M436, M447, M448, M463, M466, M471, M472</td>
<td></td>
</tr>
</tbody>
</table>

#### Electives (Additional courses to bring total credit hours to 120 and 300- or 400-level credit hours to 30)

-  
-  
-  
-  

*GE courses: [https://www.iusb.edu/clas-advising/gen_ed_requirements.php](https://www.iusb.edu/clas-advising/gen_ed_requirements.php)

Updates at: [https://www.iusb.edu/math-sci/](https://www.iusb.edu/math-sci/)

**Recommendations:** In addition to studying mathematics courses, all majors are strongly encouraged to study another discipline, in depth, which uses mathematics. Majors are also strongly encouraged to take a computer programming course such as C101. Majors interested in professional work or graduate study in mathematics should take additional mathematics courses at the 300- and 400-level.

**Degree Requirements:** 120 total credits including at least 30 at the 300- or 400-level, a minor (in or outside of CLAS), and a CGPA of 2.0 or higher

**Call Math Department Office:** 520-4335, or stop by NS-301B for Advising Appointments, or email your adviser directly. You may find contact information at [https://www.iusb.edu/math-sci/faculty.php](https://www.iusb.edu/math-sci/faculty.php)

**Graduation Application Deadline:** Oct. 1 for May & August completion, March 1 for Dec. completion.

**Graduation Application Form:** [https://www.iusb.edu/clas/docs/degreeapplication.pdf](https://www.iusb.edu/clas/docs/degreeapplication.pdf)