<table>
<thead>
<tr>
<th>Name</th>
<th>Semester Enrolled</th>
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**Henderson Seminar: (1 Hour)**
- GEN 1031 Henderson Seminar (freshmen only)

**Freshman English/Writing: (6 Hours)**
- ENG 1463 Freshman English A
- ENG 1473 Freshman English B
- **Or**
  - ENG1803 Honors Freshmen English

**Communication: (3 Hours)**
- COM 2013 Oral Communication

**Physical Well-Being (1 Hour)**
- Choose one:
  - HPR 1011 Life Fitness Concepts

**Fine Arts and Humanities: (6 Hours)**
- Choose one:
  - ENG 2013 World Literature I
  - ENG 2023 World Literature II
  - ENG 2683 Masters of Western Literature
  - ENG 2793 Masters of Western Literature - Honors
  - **Or**
  - ART 2033 Humanities Art
  - MUS 2033 Humanities Music
  - THA 2033 Humanities Theatre
  - HUM 2093 Fine Arts: Honors
  - **Or**
  - HUM 2603 Humanities: Studio Art

**Social Science: (9 Hours)**
- Choose one:
  - HIS 1013 World Civilization to 1660
  - HIS 1023 World Civilization since 1660
  - HIS 1043 World Civilization since 1660-Honors
  - **Or**
  - HIS 2053 U.S. United States to 1877
  - HIS 2063 U.S. United States since 1877
  - PSC 1013 American National Government
  - **Or**
  - PSC 1023 State and Local Government
  - **Or**
  - ANT 2013 Intro. To Cultural Anthropology
  - ECO 2013 Macroeconomics
  - ECO 2023 Microeconomics
  - GEO 1023 Intro to Geography

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<tr>
<th>Natural Sciences 8</th>
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<tbody>
<tr>
<td>BIO 1013/1021 Intro to Biology and Lab</td>
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<tr>
<td>CHM 1014 University Chemistry I</td>
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**Nonwestern Culture: (3 Hours)**
- PHY 4293 Nonwestern Cosmology
  - Or other course listed in Catalog

**Core Elective: (3 Hours)**
- Choose one:
  - PHI 2013 Intro to Philosophy (English B prereq)
  - PHI 2093 Intro to Philosophy Honors
  - **Or any other course listed in the Liberal Arts core that has not been used to fulfill any other requirement**

**Writing across the Curriculum: (3 Hours)**
- Choose one:
  - ENG 3313 University Writing
  - ENG 4453 Advanced Composition
  - ENG 3613 Technical Writing

**Writing Intensive (WI) Requirement:**
- Must pass with a grade of “C” or better

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<tr>
<th>Mathematics 11</th>
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<tbody>
<tr>
<td>MTH 1295 Calculus I</td>
</tr>
<tr>
<td>MTH 1261 Intro to Mathematical Computing (corequisite for Calculus I)</td>
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<tr>
<td>MTH 2045 Calculus II</td>
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<tr>
<th>Physics Core 20</th>
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<tbody>
<tr>
<td>PHY 2234 University Physics I (co-requisite for Calculus I)</td>
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<tr>
<td>PHY 2244 University Physics II</td>
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<tr>
<td>PHY3083 Mechanics</td>
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<tr>
<td>PHY3103 Modern Physics</td>
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<tr>
<td>PHY 3473 Computational Physics</td>
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<td>PHY 4183 Electrodynamics</td>
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<th>Electives (as needed to meet 120 hour minimum)</th>
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<tbody>
<tr>
<td>PHY 3053 (WI) General Astronomy</td>
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<tr>
<td>PHY 3173 Optics</td>
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<tr>
<td>PHY 3493 History of Physics</td>
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<td>PHY 3233 Geophysics</td>
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<tr>
<td>PHY 3323 Applied Acoustics</td>
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<tr>
<td>PHY 4093 Thermal Physics</td>
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<td>PHY 4343 Astrophysics and Cosmology</td>
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**Engineering Electives**
- EGR 1201 Introduction to Engineering
- EGR 1421 Advanced Engineering Graphics
- EGR 2373 Mechanics of Materials
- EGR 3093 Engineering Thermodynamics

**Mathematics and Statistics Electives**
- MTH 3103 Calculus III
- MTH 4123 Differential Equations
- STA 2323 Statistical Methods
- STA 4013 Applied Regression analysis

**Minimum JR/SR Hours:** 42

**Mathematics Course Selection Recommendations**
- **If Math ACT >= 30 enrol in MTH 1295 Calculus I and MTH 1261 Intro to Mathematical Computing**
- **If 23 < Math ACT < 30, enrol in MTH 1253 PreCalculus and MTH 1253 Plane Trigonometry**
- **If 19 <= Math ACT <= 23, enrol in MTH 1243 College Algebra and MTH 1253 Plane Trigonometry**

*These are recommendations and can be adjusted on a case-by-case basis; however, caution is advised. If in doubt, take the time to talk to the Chair or another advisor.*