

**Degree Requirements**  
**Bachelor of Science Physics**  
**2016-2018 Catalog**

Name \_\_\_\_\_

Semester Enrolled \_\_\_\_\_

**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 2053 Studies in Literature

Choose one:

\_\_\_\_ ART 2033 Humanities Art

\_\_\_\_ MUS 2033 Humanities Music

\_\_\_\_ THA 2033 Humanities Theatre

\_\_\_\_ HUM 2093 Fine Arts: Honors

\_\_\_\_ 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

Choose one:

\_\_\_\_ HIS 2053 U.S. United States to 1877

\_\_\_\_ HIS 2063 U.S. United States since 1877

\_\_\_\_ PSC 1013 American National Government

Choose one:

\_\_\_\_ ANT 2013 Intro. To Cultural Anthropology

\_\_\_\_ ECO 2013 Macroeconomics

\_\_\_\_ ECO 2023 Microeconomics

\_\_\_\_ GEO 1023 Intro to Geography

\_\_\_\_ GEO 2163 World Geography

\_\_\_\_ PSC 1023 State and Local Government

\_\_\_\_ PSY 1013 General Psychology

\_\_\_\_ PSY 1073 General Psychology – Honors

\_\_\_\_ SOC 1013 Intro to Sociology

**Natural Sciences (4 Hours)**

\_\_\_\_ BIO 1013/1021 Intro to Biology and Lab

**Nonwestern Culture: (3 Hours)**

\_\_\_\_ PHY 4293 Nonwestern Cosmology

**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

**Mathematics 8**

\_\_\_\_ MTH 1294 Calculus I (satisfies Math LAC)

\_\_\_\_ MTH 2044 Calculus II (satisfies Core LAC)

**Classical Physics**

\_\_\_\_ PHY 2234 University Physics I

\_\_\_\_ PHY 2244 University Physics II

\_\_\_\_ PHY3083 Mechanics

\_\_\_\_ PHY3103 Modern Physics

\_\_\_\_ PHY 3473 Computational Physics

\_\_\_\_ PHY 4183 Electrodynamics

\_\_\_\_ PHY 4273 Quantum Mechanics

\_\_\_\_ PHY 4253 Advanced Physics Lab

\_\_\_\_ JR/SR Physics or engineering elective

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**Electives** (as needed to meet 120 hour minimum)

**Minor Courses** (varies by department)

**Minimum JR/SR Hours: 42**

**Mathematics Course Selection Recommendations**

- If Math ACT  $\geq 30$  enroll in MTH 1294 Calculus I.
- If  $23 < \text{Math ACT} < 30$ , enroll in MTH 1273 PreCalculus and MTH 1253 Plane Trigonometry
- If  $20 \leq \text{Math ACT} \leq 23$ , enroll 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.*