

## Degree Requirements - Bachelor of Science

### Classical 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 2683 Masters of Western Literature

\_\_\_ ENG 2793 Masters of Western Literature - Honors

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

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

Choose one:

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

\_\_\_ ECO 2013 Macroeconomics

\_\_\_ ECO 2023 Microeconomics

\_\_\_ GEO 1023 Intro to Geography

\_\_\_ GEO 2163 World Geography

\_\_\_ PSY 1013 General Psychology

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

\_\_\_ SOC 1013 Intro to Sociology

#### Natural Sciences (8 Hours)

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

\_\_\_ CHM 1014 University Chemistry I

#### 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

\_\_\_ PHY 3043 Applied Thermodynamics

\_\_\_ 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 1295 Calculus I and MTH 1261 Intro to Mathematical Computing
- If  $23 < \text{Math ACT} < 30$ , enroll in MTH 1273 PreCalculus and MTH 1253 Plane Trigonometry
- If  $19 \leq \text{Math ACT} \leq 23$ , 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.*