

**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  
\_\_\_ PHY3083 Mechanics  
\_\_\_ PHY3103 Modern Physics  
\_\_\_ PHY 3473 Computational Physics  
\_\_\_ PHY 4183 Electrodynamics  
\_\_\_ PHY 4273 Quantum Mechanics  
\_\_\_ PHY 4251 Advanced Physics Lab  
\_\_\_ JR/SR Physics or engineering elective  
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**Electives (as needed to meet 120 hour minimum)**

**Physics Electives**  
\_\_\_ PHY 3053 (WI) General Astronomy  
\_\_\_ PHY 3173 Optics  
\_\_\_ PHY 3493 History of Physics  
\_\_\_ PHY 32333 Geophysics  
\_\_\_ PHY 3323 Applied Acoustics

\_\_\_ PHY 4093 Thermal Physics  
\_\_\_ PHY 4343 Astrophysics and Cosmology

**Computer science Electives**  
\_\_\_ CSC 1104 Foundations of Computer Science I  
\_\_\_ CSC 1114 Foundations of Computer Science II

**Mathematics and Statistics Electives**  
\_\_\_ STA 2323 Statistical Methods  
\_\_\_ MTH 3104 Calculus III  
\_\_\_ MTH 4123 Differential Equations

**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.*