Degree Requirements - Bachelor of Science
Classical Physics 2014-2016 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
____BIO 1013/1021 Intro to Biology and Lab
____CHM 1014 University Chemistry I

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

Mathematics 11
____MTH 1295 Calculus I
____MTH 1216 Intro to Mathematical Computing (co-requisite for Calculus I)
____MTH 2045 Calculus II

Physics Electives
____PHY 3053 (WI) General Astronomy
____PHY 3173 Optics
____PHY 3493 History of Physics
____PHY 3233 Geophysics
____PHY 3323 Applied Acoustics
____PHY 4093 Thermal Physics
____PHY 4343 Astrophysics and Cosmology

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

Minor Courses (varies by department)

Minimum JR/SR Hours: 42

Mathematics Course Selection Recommendations

• If Math ACT >= 30 enroll in MTH 1295 Calculus I and MTH 1261 Intro to Mathematical Computing
• If 23 < Math ACT < 30, enroll in MTH 1273 Pre-Calculus and MTH 1253 Plane Trigonometry
• If 19 <= Math ACT <=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.