

**Degree Requirements - Bachelor of Science
Engineering 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

___ HPR ___ 1 P.E. Activity

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

___ MTH 1294 Calculus I (satisfies Math LAC)

___ MTH 2044 Calculus II (satisfies Core LAC)

___ MTH 3104 Calculus III

___ MTH 4123 Differential Equations

Physics

___ PHY 2234 University Physics I

___ PHY 2244 University Physics II

___ PHY3103 Modern Physics

___ PHY 4273 Quantum Mechanics

Engineering Physics

___ EGR 1413 Engineering Graphics

___ EGR 2033 Mechanics of Materials

___ EGR 2253 Engineering Computation

___ EGR 2363 Statics

___ EGR 2584 Electric Circuits I

___ EGR 3043 Engineering Thermodynamics I

___ EGR 3474 Electronics I

___ EGR 3493 Dynamics

___ EGR 3434 Digital Electronics

___ EGR 4433 Embedded Microprocessors

___ EGR 4513 Fluid Mechanics

___ EGR 4523 Engineering Electromagnetics

___ EGR 4543 Engineering Measurements

___ EGR 4263 Engineering Design I

___ EGR 4553 Engineering Design II

Choose one of the following

___ EGR 3434 Electric Circuits II

___ EGR 3484 Electronics II

Choose one of the following

___ EGR 3053 Engineering Thermodynamics II

___ EGR 3503 Engineering Optics

___ EGR 4563 Control Systems

Mathematics Course Selection

Recommendations

- If Math ACT ≥ 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.

May 1st 2016