

Bachelor of ScienceMajor Code PH01

PHYSICS (Engineering)

General Education CORE 42 Requirements 42* 32

UE 100 First Year Experience** 1

Physics Requirements 35

PHYS 270 General Physics I***4

PHYS 290 General Physics II4

PHYS 291 General Physics II Lab1

PHYS 301 Modern Physics***4

PHYS 322 Classical Mechanics***3

PHYS 341 Thermal Physics***4

PHYS 372 Electronic for Experimental Physicists***4

PHYS 381 Intermediate Physics Laboratory***3

PHYS 401 Electricity & Magnetism***4

PHYS 452 Quantum Mechanics*** (3)

OR

PHYS 480 Selected Topics in Physics & Engineering3

PHYS 490 Seminar1

Supporting Requirements 23

CHEM 140 General Chemistry I***3 ... was CHEM 151

CHEM 141 General Chemistry I Lab***1

MATH 150 Calculus with Analytical Geometry I*** 5

MATH 250 Calculus with Analytical Geometry II*** 5

MATH 260 Calculus with Analytical Geometry III*** 3

MATH 322 Differential Equations*** 3

CIS 110 Programming I 3

Electives**** 29

Total **120^**

**CHEM 140 and PHYS 270 satisfy CORE 42 area 3A&B (7 hours) and math requirements satisfy CORE 42 area 4 (3 hours).

**Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

***See Prerequisites

****Suggested Electives (CHEM 142, CIS 210, MATH 322 and MATH 351)

^Must include at least 39 Upper Division (300-400 level) hours.

Updated 4/5/18 to reflect CORE 42 and course changes