

Bachelor of Science .....Major Code PH00

## PHYSICS

**General Education CORE 42 Requirements 42\*** ..... **32**

UE 100 First Year Experience\*\* ..... 1

**Physics Requirements..... 39**

PHYS 270 General Physics I\*\*\* ..... 4... was PHYS 250

PHYS 290 General Physics II ..... 4 was PHYS 260

PHYS 291 General Physics II Lab ..... 1

PHYS 301 Modern Physics\*\*\* ..... 4

PHYS 322 Classical Mechanics\*\*\* ..... 3

PHYS 341 Thermal Physics\*\*\* ..... 4

PHYS 360 Mathematical Methods for Physics ..... 4

PHYS 381 Intermediate Physics Laboratory\*\*\* ..... 3

PHYS 401 Electricity & Magnetism\*\*\* ..... 4

PHYS 452 Quantum Mechanics\*\*\* ..... 3

PHYS 490 Seminar ..... 1

Physics Elective (Upper Division) ..... 4

**Supporting Requirements ..... 23**

CHEM 140 General Chemistry I\*\*\* ..... 3

CHEM 141 General Chemistry I Lab\*\*\* ..... 1

MATH 150 Calculus with Analytical Geometry I\*\*\* ..... 5

MATH 250 Calculus with Analytical Geometry II\*\*\* ..... 4 was 5 cr hs

MATH 260 Calculus with Analytical Geometry III\*\*\* ..... 4 was 3 cr hrs

MATH 322 Differential Equations\*\*\* ..... 3

CIS 110 Programming I..... 3

**Electives\*\*\*\* ..... 25**

**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 142 452, CIS 210, MATH 351)

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