# Physics (B.S.)

2016-2017 catalog

AUGSBURG COLLEGE

**Student Name:** _____ **ID Number:** _____

## Major Requirements

| Term Completed/Planned | Grade | Credit | ✓ | Course # | Title |
|---|---|---|---|---|---|
| | | 4 | | PHY121 | General Physics I (NSM-L) |
| | | 4 | | PHY122 | General Physics II (NSM-L) |
| | | 4 | | PHY245 | Modern Physics |
| | | 4 | | PHY261 | Electronics |
| | | 4 | | PHY351 | Mechanics I |
| | | 4 | | PHY362 | Electromagnetic Fields I |
| | | 4 | | PHY363 | Electromagnetic Fields II |
| | | 2 | | PHY395 | Comprehensive Laboratory I |
| | | 2 | | PHY396 | Comprehensive Laboratory II |
| | | 4 | | CHM115 | General Chemistry I (NSM-L) |
| | | 4 | | CHM116 | General Chemistry II (NSM_L) |
| | | 4 | | MAT145 | Calculus I (NSM) |
| | | 4 | | MAT146 | Calculus II (NSM) |
| | | 4 | | MAT245 | Calculus III |
| Complete **one (1)** of PHY327 or MAT369 | | | | | |
| | | 4 | | PHY327 | Special Functions of Mathematical Physics |
| | | 4 | | MAT369 | Modeling and Differential Equations in Biological and Natural Sciences |
| Complete **two (2)** courses chosen from: | | | | | |
| | | 4 | | PHY317 | Biophysics |
| | | 4 | | PHY320 | Introduction to Space Science |
| | | 4 | | PHY352 | Mechanics II |
| | | 4 | | PHY420 | Plasma Physics |
| | | 4 | | PHY430 | Introduction to Solid State Physics |
| | | 4 | | PHY486 | Quantum Physics |
| Complete **one (1)** Speaking skill | | | | | |
| | | 4 | | COM115 | Scientific and Technical Public Speaking (HUM) |
| | | 4 | | HON130 | Liberating Letters (HUM) |

Abbreviation Key: ML = Modern Language; SC = Signature Curriculum; EM = Engaging Minneapolis; AE = Augsburg Experience; KC = Senior Keystone Course; NSM = Natural Science & Mathematics - no lab; NSM-L = Natural Science & Mathematics-with lab; SBS = Social & Behavioral Science; FA = Fine Arts; HUM = Humanities

Student Signature Date Faculty Adviser Signature Date

Student and faculty signature are required for submission with the Intent to Graduate form.