

Physics (B.A.)

2018-2019 catalog

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 | PHY351 | Mechanics I |
| _____ | _____ | 4 | PHY362 | Electromagnetic Fields I |
| _____ | _____ | 4 | PHY363 | Electromagnetic Fields II |
| _____ | _____ | 2 | PHY395 | Comprehensive Laboratory I |
| _____ | _____ | 2 | PHY396 | Comprehensive Laboratory II |
| _____ | _____ | 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)** elective courses above PHY122, chosen from:

| | | | | |
|-------|-------|---|--------|---|
| _____ | _____ | 4 | PHY261 | Electronics |
| _____ | _____ | 4 | PHY299 | Directed Study |
| _____ | _____ | 4 | PHY317 | Biophysics |
| _____ | _____ | 4 | PHY320 | Introduction to Space Science |
| _____ | _____ | 4 | PHY327 | Special Functions of Mathematical Physics |
| _____ | _____ | 4 | PHY352 | Mechanics II |
| _____ | _____ | 4 | PHY399 | Internship |
| _____ | _____ | 4 | PHY420 | Plasma Physics |
| _____ | _____ | 4 | PHY430 | Introduction to Solid State Physics |
| _____ | _____ | 4 | PHY486 | Quantum Physics |
| _____ | _____ | 4 | PHY499 | Independent Study |

Complete **one (1)** Speaking skill course, chosen from:

| | | | | |
|-------|-------|---|--------|--|
| _____ | _____ | 4 | COM111 | Public Speaking (HUM) |
| _____ | _____ | 4 | COM115 | Scientific and Technical Public Speaking (HUM) |
| _____ | _____ | 2 | MAT201 | Communicating Mathematics |
| _____ | _____ | 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's Signature Date

Advisor's Printed Name Signature Date

Advisor(s): By signing, you indicate you have verified the accuracy of the information above. Faculty advisors must initial next to each course substitution/waiver and sign this form.