



## RECOMMENDED COURSE OF STUDY PHYSICS MAJOR



- A 2.00 Overall GPA and a 2.00 Major GPA
- 121 hours total college credit is required for graduation.
- The Core Foundations Plans requires
  - 9 hours of Core I (blue)
  - 25 hours of Core II (orange)
  - 11 hours of Additional Requirements (purple)
- The College of Science requires
  - 17-21 more general education hours: 8 in physical or natural science, 3 in literature, and 6 in enrichment (green)
- See individual departments for minor requirements.
- Students following this recommended curriculum should graduate within four academic years.

### YEAR ONE

Fall Semester	Hours	Spring Semester	Hours
ENG 101, English Composition I	3	ENG 102, English Composition II	3
FYS 101, First Year Seminar	3	CT (Critical Thinking) Course	3
MTH 229, Calculus I	5	MTH 230, Calculus II	4
PHY 211, Principle of Physics I	4	PHY 213, Principles of Physics II	4
PHY 202, Gen. Physics Lab I	1	PHY 204, Gen. Physics Lab II	1
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>15</b>

### YEAR TWO/THREE

Fall Semester	Hours	Spring Semester	Hours
CT (Critical Thinking) Course	3	CMM 103, Fund of Speech Communications	3
MTH 231, Calculus III	4	MTH 335, Differential Equations	4
PHY 300, Electricity & Magnetism I	3	PHY 302, Electricity & Magnetism II	3
PHY 320, Intro to Modern Physics	3	PHY 330, Mechanics	3
PHY 421, Modern Physics Advanced Lab	2	PHY 445, Mathematical Methods	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>16</b>

### YEAR THREE/TWO

Fall Semester	Hours	Spring Semester	Hours
Social Science Elective	3	Writing Intensive Elective	3
Humanities Electives Elective	3	International or Multicultural Elective	3
Fine Arts Elective	3	PHY 308, Thermal Physics	3
PHY Elective + Advanced Lab	5	PHY 443, Quantum Mechanics II	3
PHY 442, Quantum Mechanics I	3	Physical Science Elective	4
<b>Total</b>	<b>17</b>	<b>Total</b>	<b>16</b>

### YEAR FOUR

Fall Semester	Hours	Spring Semester	Hours
Literature Elective	3	300 – 499 Writing Intensive Elective	3
Enrichment (Foreign Language)	3	Enrichment (Foreign Language)	3
PHY 491, Capstone	1	PHY 492, Capstone	1
PHY Elective	3	CoS Science Elective	4
CoS Science Elective	4		
<b>Total</b>	<b>14</b>	<b>Total</b>	<b>11</b>

**TOTAL 120 college credit**

