

## Physics BS<sup>1</sup> (with Astrophysics Minor) 4-Year Schedule

### Fall Year 1

<i>PHYS 130: General Physics I</i> <sup>2</sup>	4
PHYS 132: General Physics Review	0
<i>MATH 110: Calculus I</i> <sup>3</sup>	4
FYSN 100: First-Year Seminar	3
CSIS 200: Software Tools for Physicists	3

### Spring Year 1

<i>PHYS 140: General Physics II</i>	4
PHYS 142: General Physics Review	0
<i>MATH 120: Calculus II</i>	4
FYSN 101: First-Year Seminar	3
ASTR 101: Introductory Astronomy for Scientists	3

### Fall Year 2

<i>PHYS 220: Modern Physics</i> <sup>4</sup>	4
<i>SCDV 230: Electronic Instrumentation</i>	4
<i>MATH 210: Calculus III</i>	4
ASTR 390: Principles of Astrophysics I	3

### Spring Year 2

PHYS 260: Thermal Physics	3
<i>PHYS 250: Computational Physics</i>	3
MATH 325: Differential Equations	3
ASTR 392: Principles of Astrophysics II	3
Franciscan Diversity Core (CFD)	3

### Fall Year 3

<i>PHYS 310: Mechanics I</i>	4
<i>CHEM 110: General Chemistry I</i>	4
MATH 330: Intro to Applied Math I	3
<i>ASTR 380: Observational Astronomy</i>	3

### Spring Year 3

<i>PHYS 410: Electromagnetic Theory</i>	4
MATH 230: Linear Algebra <sup>5</sup>	3
ASTR 332: Astrophysics Seminar II <sup>6</sup>	2
Philosophy Core (CDP)	3
Social Justice Franciscan Core (CFJ)	3

### Fall Year 4

<i>PHYS 470: Advanced Lab I</i>	1
PHYS 440: Quantum Physics	3
Heritage Franciscan Core (CFH)	3
Creative Arts Core (CDA)	3
English Core (CDE)	3

### Spring Year 4

<i>PHYS 472: Advanced Lab II</i>	1
Physics Elective	3
Social Science Core (CDS)	3
Religion Core (CDR)	3
History Core (CDH)	3

<sup>1</sup>A minimum of 120 credit-hours is required to graduate (average 15 credit-hours per semester).

Courses in italics have a lab component (generally indicating a larger time commitment).

<sup>2</sup>General Physics satisfies the Natural Science Core (CDN) requirement.

<sup>3</sup>Calculus satisfies the Quantitative Core (CDQ) requirement.

<sup>4</sup>Modern Physics satisfies the Natural World Franciscan Core (CFN) requirement.

<sup>5</sup>This sixth math class gives you a Mathematics Minor (which must be declared).

<sup>6</sup>Alternatively, ASTR 330: Astrophysics Seminar I may be taken in the fall (if offered).