

# Physics - Concentration B: Professional (BS) Four-Year Plan

## Physics, Concentration B: Professional - Bachelor of Science 2021-22 Four-Year Plan

### Freshman

First Term	Hours	Second Term	Hours
ENGL 110C		3 ENGL 211C or ENGL 231C (Grade of C or better required)	3
MATH 211		4 MATH 212	4
CS 150		4 PHYS 261N	4
PHYS 120 or 309*		1 Human Behavior	3
Language & Culture I (May be waived; See requirement details)		0-3 Language & Culture II (May be waived; See requirement details)	0-3
<b>12-15</b>		<b>14-17</b>	

### Sophomore

First Term	Hours	Second Term	Hours
CHEM 121N and CHEM 122N		4 CHEM 123N and CHEM 124N	4
PHYS 262N		4 MATH 307 or MATH 280	3
MATH 312 or MATH 285		4 PHYS 319	3
Information Literacy and Research: CS 120G or CS 121G or OEAS 130G		3 Interpreting the Past	3
		Oral Communication	3
<b>15</b>		<b>16</b>	

### Junior

First Term	Hours	Second Term	Hours
PHYS 303		3 PHYS 413	3
PHYS 323		3 MATH 316 or MATH 401 or MATH 421 or MATH 422	3
PHYS 355		3 Select one of the following: ASTP 313 or PHYS 411 or PHYS 415 or PHYS 416 or PHYS 417 or ASTP 414*	3

PHYS 420, 453, or 456*	3	Upper-Division General Education Course or Course for Minor*	3
Philosophy and Ethics	3	Human Creativity	3
<b>15</b>		<b>15</b>	

### Senior

First Term	Hours	Second Term	Hours
PHYS 425		3 Select one of the following: ASTP 313 or PHYS 411 or PHYS 415 or PHYS 416 or PHYS 417 or ASTP 414*	3
PHYS 452		3 Literature	3
PHYS 499W or PHYS 489W and PHYS 490W (Grade of C or better required)		3 Course for Minor or Elective*	3
Upper-Division General Education Course or Course for Minor*		3 Course for Minor or Elective*	3
Impact of Technology		3 PHYS 454	3
Elective (if needed)*		3	
<b>18</b>		<b>15</b>	

**Total credit hours: 120-126**

\*The four-year plan is a suggested curriculum to complete this degree program in four years. It is just one of several plans that will work and is presented only as broad guidance to students. Each student is strongly encouraged to develop a customized plan in consultation with their academic advisor. Additional information can also be found in Degree Works.

\*PHYS 120 and PHYS 420 are offered fall semester only. ASTP 313, PHYS 309, PHYS 453, and PHYS 456 are offered spring semester only.