

# Physics - Astrophysics Major (BS) Four-Year Plan

## Physics, Astrophysics Major - Bachelor of Science 2022-23 Four-Year Plan

### Freshman

First Term	Hours	Second Term	Hours
ENGL 110C		3 MATH 212	4
MATH 211		4 PHYS 261N, 231N, or 226N	4
CHEM 121N and CHEM 122N		4 PHYS 103N or PHYS 104N	4
Elective or Language & Culture I (May be waived; See requirement details)		3 Elective or Language & Culture II (May be waived; See requirement details)	0-3
		<b>14</b>	<b>12-15</b>

### Sophomore

First Term	Hours	Second Term	Hours
ENGL 211C or ENGL 231C (Grade of C or better required)		3 PHYS 319	3
MATH 312 or MATH 285		4 CS 150	4
PHYS 262N, 232N, or 227N		4 MATH 307 or MATH 280	3
Information Literacy and Research: CS 120G or CS 121G or OEAS 130G		3 PHYS 120 or PHYS 309*	1
Oral Communication		3 Human Creativity	3
		Interpreting the Past	3
		<b>17</b>	<b>17</b>

### Junior

First Term	Hours	Second Term	Hours
PHYS 355		3 ASTP 313*	3
PHYS 303		3 PHYS 413, PHYS 453, or PHYS 456*	3
PHYS 323		3 PHYS 499W or PHYS 489W & PHYS 490W* (Grade of C or better required)	3
PHYS 425		3 MATH 316 or MATH 401 or MATH 421 or MATH 422	3

Literature		3 Human Behavior	3
		<b>15</b>	<b>15</b>
<b>Senior</b>			
<b>First Term</b>	<b>Hours</b>	<b>Second Term</b>	<b>Hours</b>
PHYS 452		3 PHYS 413, PHYS 453, or PHYS 456	3
PHYS 420		3 PHYS 454	3
ASTP 414		3 Philosophy and Ethics	3
Impact of Technology		3 ASTP 495	3
Upper-Division General Education Course (Option D)*		3 Upper-Division General Education Course (Option D)*	3
		<b>15</b>	<b>15</b>

### Total credit hours: 120-123

\*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.