

Physics Major

Physics Courses

(150) Physics Tool Kit	1
(211) General Physics I	4
(212) General Physics II	4
(213) Magnetism, Waves and Optics	3
(309) Modern Physics	4
(350) Intermediate Mechanics	3
(411) Electricity & Magnetism I	3
(442) Quantum Mechanics	<u>3</u>
	25

Choose two courses below.

(320) Biophysics (3)	6
(361) Mathematical Methods (3)	
(401) Mechanics II (3)	
(412) Electricity & Magnetism II (3)	
(420) Computational Physics (3)	
(430) Space Environmental Dynamics (3)	

Choose one course below.

(391/491) Research (3)	3
(397/497) Internship (3)	

Other Courses

(CHEM 238/238L) Inorganic Chemistry w/ Lab	4
(CSCI 251) Introduction to Computer Science	4
(MATH 231) Calculus I	4
(MATH 232) Calculus II	4
(MATH 233) Calculus III	4
(MATH 366) Differential Equations	<u>3</u>
	23

Overall Total Credits

57

Physics Minor

Physics Courses

(150) Physics Tool Kit	1
(211) General Physics I	4
(212) General Physics II	4
(213) Magnetism, Waves and Optics	<u>3</u>
	12

Choose one course below.

(309) Modern Physics (4)	3
(320) Biophysics (3)	
(350) Intermediate Mechanics (3)	
(361) Mathematical Methods (3)	
(411) Electricity & Magnetism I (3)	

Other Courses

(MATH 231) Calculus I	4
(MATH 232) Calculus II	<u>4</u>
	8

Overall Total Credits

23

Pre-Engineering Minor

(CHEM 238/238L) Inorganic Chemistry w/ Lab	4
(CSCI 251) Introduction to Computer Science	4
(MATH 231) Calculus I	4
(MATH 232) Calculus II	4
(MATH 233) Calculus III	4
(MATH 366) Differential Equations	3
(PHYS 211) General Physics I	4
(PHYS 212) General Physics II	<u>4</u>
	31

Choose one course below.

(COMM 201) Presentational Speaking (3)	3
(ENGL 207) Expository Writing (3)	

Overall Total Credits

34

Four-Year Plans for Physics

Physics Major

First Year

Fall

Phys 211 (4)
Math 231 (4)
CSCI 251 (4)

Spring

Phys 212 (4)
Math 232 (4)
Chem 238/L (4)
Phys 150 (1)

Second Year

Fall

Phys 213 (3)
Math 233 (4)

Spring

Phys 309 (4)
Math 366 (3)

Third Year

Fall

Phys 350 or 411 (3)
Phys 442 (3)

Spring

Phys Elect (3)

Fourth Year

Fall

Phys 350 or 411 (3)
Phys 391/397 (3)

Spring

Phys Elect (3)

Physics Minor

First Year

Fall

Phys 211 (4)
Math 231 (4)

Spring

Phys 212 (4)
Math 232 (4)
Phys 150 (1)

Second Year

Fall

Phys 213 (3)

Spring

Phys Elect (3-4)

Pre-Engineering Minor (Phys)

First Year

Fall

Phys 211 (4)
Math 231 (4)
CSCI 251 (4)

Spring

Phys 212 (4)
Math 232 (4)
Chem 238/L (4)
Phys 150 (1)

Second Year

Fall

Phys 213 (3)
Math 233 (4)
Comm 201/Engl 207 (3)

Spring

Phys 309 (4)
Math 366 (3)

Third Year

Fall

Phys 350 or 411 (3)
Phys 442 (3)

Spring

Phys Elect (3)
Phys 391/397 (3)

Pre-Engineering Minor (Chem)

First Year

Fall

Math 231 (4)
Chem 115/208 w/L (4)
CSCI 251 (4)

Spring

Math 232 (4)
Chem 238/L (4)

Second Year

Fall

Chem 312/315/L (4)
Math 233 (4)
Phys 211 (4)

Spring

Adv Chem Elect (4)
Math 366 (3)
Phys 212 (4)

Third Year

Fall

Chem 327/336 w/L (4)
Comm 201/Engl 207 (3)

Spring

Adv Chem Elect (4)

Two physics courses will be needed to transfer back to Drury from Wash U to complete the degree.