

Engineering Physics (FE) - New GE

Year	Autumn Semester	Credit hours	Comment	Spring Semester	Credit Hours	Comment
1	Physics 1270 ¹	5	Intro Physics I	Physics 1271 ¹	5	Intro Physics I
	Math 1151	5	Calculus I	Math 1172	5	Engr Calculus II
	Eng 1181	2	Intro Eng I	Eng 1182	2	Intro Eng II
	Eng 1100	1	Eng Survey	CSE 1222 ²	3	C++
	Writing & Info Literacy	3	Gen Ed	GenEd 1201 ³	1	Launch Seminar
	Total Hours	16		Total Hours	16	
2	Physics 2300	4	Mechanics I	Physics 2301	4	Mechanics II
	Physics 2095	1	Seminar	Historical & Cultural Stds	3	Gen Ed
	Math 2173	3	Engr Calculus III	Math 2174 ⁴	3	DiffEq/LinAlg
	Eng Tech Elect	3	Specialization	Eng Tech Elect	3	Specialization
	Physics 3700	3	Data Analysis Lab	Social & Behavioral Sciences	3	Gen Ed
	Literary, Visual, Perfor. Arts	3	Gen Ed			
Total Hours	17		Total Hours	16		
3	Physics 5500	4	Quantum Mechanics	Physics 4700	3	Electronics Lab
	Eng Tech Elect	3	Specialization	Physics 5400	4	Electromagnetism
	Eng Tech Elect	3	Specialization	Eng Tech Elect	3	Specialization
	Targeted Elect	3	Elective	Eng Tech Elect	3	Specialization
	Citizenship Theme GE ⁶	3	Gen Ed	Race, Ethnicity, Gender Diversity	3	Gen Ed
	Total Hours	16		Total Hours	16	
4	Physics 5800	3	Capstone I	Physics 5801	3	Capstone II
	Eng Tech Elect	3	Specialization	Eng Tech Elect	3	Specialization
	Eng Tech Elect	3	Specialization	Targeted Elect	3	Elective
	Targeted Elect	3	Elective	Physics Elective ⁵	4	Required Elective
	Thematic Pathways GE ⁶	3	Gen Ed	Thematic Pathways GE ⁶	3	Gen Ed
	Citizenship Theme GE ⁶	3	Gen Ed			
Total Hours	18		Total Hours	16		

Courses in yellow are only offered in the term shown

BLUE: Engineering Specialization Electives (27 semester hours required)

A list of required courses for each specialization can be found at:

<https://physics.osu.edu/engineering-physics-program/concentration-requirements>

RED: Required Targeted Electives (9 semester hours required).

Please note that the required courses shown above cannot double count toward these electives. A list of electives is at:

<https://physics.osu.edu/engineering-physics-targeted-electives>

¹ Students can take 1250-1251 or 1260-1261 (for students who started in Engineering Honors) in place of 1270-1271

² or CSE 1223 or CSE 1224 or Astronomy 1221 or Engineering 1221

³ Students are required to complete the Launch Seminar within their first three semesters on campus

⁴ or Math 2415+2658 or 2255+2568 or 5520H.

⁵ Acceptable physics electives include Physics 3470, 5261, 5300, 5401H, 5501, 5501H, 5600, 5610, 5680, and 68xx

⁶ The requirement is to take either two 3-credit hour courses (as shown above) or one 4-credit hour course