

University of Oregon— Department of Physics Undergraduate Degree Checklist

Student Name: _____ Date checked _____
(enter grades in parentheses; italics indicated recommended but not required)

Common Curriculum (years 1 & 2)

Foundations of Physics I:	PHYS 251 () (4)	PHYS 252 () (4)	PHYS 253 () (4)
OR Physics w/ Calculus	PHYS 211 () (4)	PHYS 212 (...)(4)	PHYS 213 () (4)
<i>Physics Lab I</i>	<i>PHYS 290 () (1)</i>	<i>PHYS 290 () (1)</i>	<i>PHYS 290 () (1)</i>
Calculus I, II & III:	MATH 251 () (4)	MATH 252 () (4)	MATH 253 () (4)
General Chemistry:	CH 221 () (4)	CH 222 () (4)	<i>CH 223 () (4)</i>
<i>General Chemistry Lab:</i>	<i>CH 227 () (2)</i>	<i>CH 228 () (2)</i>	<i>CH 229 () (2)</i>
Foundation of Physics II:	PHYS 351 () (4)	PHYS 352 () (4)	PHYS 353 () (4)
Intermediate Physics Lab:	PHYS 390 () (1)	PHYS 390 () (1)	PHYS 390 () (1)
Diff. Eqs. / Several-Var. Calculus:	MATH 256 () (4)	MATH 281 () (4)	MATH 282 () (4)

Total common curriculum credits: 59 required / 72 recommended

Applied Physics Track (years 3 & 4)

Intro. to Quantum Mechanics:			PHYS 354 () (4)
Electricity, Magn., <i>Electromagn.:</i>	PHYS 412 () (4)	PHYS 413 (...)(4)	<i>PHYS 422 () (4)</i>
Analog and Digital Electronics:		PHYS 431 () (4)	PHYS 432 () (4)
Design of Experiments:	PHYS 481 () (4)		
Classical & Modern Optics:		PHYS 424 () (4)	PHYS 425 () (4)
<i>Advanced Physics Lab:</i>	<i>PHYS 490 () (4)</i>	<i>PHYS 490 () (4)</i>	<i>PHYS 490 () (4)</i>

Total upper division credits: 32 required / 48 recommended

(6 credits of PHYS 490 can be taken in place of Analog & Digital Electronics OR Classical & Modern Optics)

OR

Physics Track (years 3 & 4)

Electricity, Magn., <i>Electromagn.:</i>	PHYS 412 () (4)	PHYS 413 (...)(4)	<i>PHYS 422 () (4)</i>
Analog and Digital Electronics:		PHYS 431 () (4)	PHYS 432 () (4)
Quantum Mechanics:	PHYS 414 () (4)	PHYS 415 () (4)	PHYS 417 () (4)
Theoretical Mechanics:		PHYS 411 () (4)	
<i>Advanced Physics Lab:</i>	<i>PHYS 490 () (4)</i>	<i>PHYS 490 () (4)</i>	<i>PHYS 490 () (4)</i>

Total upper division credits: 32 required / 48 recommended

Total Physics degree program credits: 92 required / 120 recommended; other UO credits required for graduation.

Student research is recommended beginning the summer after 2nd academic year. Students can apply for Research Experience for Undergraduate (REU) programs for that summer. See: http://www.nsf.gov/crssprgm/reu/reu_search.cfm for more information. Students are encouraged to work on research projects within the physics department beginning their 3rd year and thereafter. See the undergraduate advisor (divelyb@hendrix2.uoregon.edu) for more information.

Cleared for Graduation: _____ Physics Advisor's Signature: _____