

Degree Options Overview

This page shows a side-by-side comparison of the four degree options: Comprehensive, Applied, Teaching and Biophysics. All require the same core courses, but have different options for math and electives.

Core Requirements:

Physics:

- Introductory Sequence: 121, 122, 123, 224, 225, 294
- Mathematical Methods and Electronics Laboratory: 227, 334
- Electricity and Magnetism: 321, 322

Math or Applied Math:

- Introductory Sequence: Math 124, 125, 126 (or 134, 135, 136)
- Choose 1 from Math 307/AMath 351, Math 308/AMath 352, Math 309/AMath 353, Math 324, Math 326 or AMath 401.

Option Requirements (in addition to core above)

	Comprehensive	Applied	Teaching	Biophysics	Old Major*
Math	PHYS 228 + 1 more from math menu	AMATH 301 + 2 more from {228+math menu}	PHYS 228 + 1 more from math menu	PHYS 228	PHYS 228 MATH 308 MATH 324
226, 32x	226, 324 3 of 323, 325, 328, 329, A321, A322	1 of 226, 323, 324, 329	226, 324 1 of 323,328,329	324, 328 1 of 226, 325, 323, 329	324 or 226
Adv. Lab	2 of 331, 335, 431, 432, 433, 434, (A480 or A481)	231 2 of 331, 335, 431, 432, 433, 434, (A480 or A481)	1 of 331, 335, 431, 432, 433, 434, A480, A481	<i>(in bio/chem)</i>	2 of 331, 335, 431, 432, 433, 434
UG Res	3 cr research or seminar	3 cr research or seminar	3 cr teaching	3 cr in bio- related research	3 cr research or seminar
Elective	2 additional Phys/Cognate Class (not lab)	3 additional of 32x, Adv. Phys/Cognate (may include 1 lab; 1 intro sci)	all three of 407, 408, 409	429	2 additional Phys/Cognate Subjects, incl. Lab
Other Sci		<i>(selected intro science/ engineering in electives)</i>		3 chem 2 bio 2 additional bio/chem	9 credits intro science or history of science

*Only available to those who declared a physics major prior to Autumn 2011.