

Physics Major: Foundation

(August 2021)

For students enrolling in Math 110, 114, or above in the fall of the first year

	<u>Fall</u>	<u>Spring</u>
Year 1:	Physics 110 FYS Seminar Core Distribution (Math 110, 114) CS 165* [†]	Physics 117 FYS Seminar Core Distribution Math 120 CS 165* [†]
Year 2:	Physics 230 Foreign Language 1 Core Distribution (Math 212, 214) [‡]	Physics 240 Foreign Language 2 CS 131 [#] (Math 212, 214) [‡]

See *Physics Major: Concentrations* for required and suggested coursework in Years 3, 4

* Students are strongly encouraged to take this course by the end of their sophomore year.

[†] Two-credit course

[‡] These courses may be taken in either order.

(...) One of the courses given in parentheses should be taken.

[#] Recommended, but not required for the Major.

1. Students who wish to take courses without the prerequisites must petition the Physics Department.
2. If language proficiency is met with fewer courses than shown, additional electives may be chosen.

Physics Major: Concentrations

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Note: All Concentrations require Senior Seminar: Physics 490 and 491 (two credits each)

Physics: *Physics 310, 315[†], 316[‡], 320, 330, 340, 350; one Selective**

Year 3:	Physics 310 Physics 320	Physics 330 Physics 340
Year 4:	Physics 315 [†] Physics 350 Physics 490	Physics 316 [‡] [Physics Selective] Physics 491

Mathematics: *Physics 310, 320, 350; one Selective**; 8 units in both Physics and Math above 300 (excl. Senior Seminar)

Year 3:	Physics 310 {Physics 320/Math}	[Physics Selective] {Physics 330 [‡] / Math}
Year 4:	{Math/Physics 320} Physics 315 ^{†‡} Physics 350 Physics 490	{Math/Physics 340 [‡] } Physics 316 ^{‡†} [Physics Selective] Physics 491

Chemistry: *Physics 310, 320; 330 or 350; 340; Chemistry 120 or 130; 220, 221, and 240*

Year 3:	Physics 310 Chem I {Physics 320}	{Physics 330} Chem II Physics 340
Year 4:	Chem III Physics 490 {Physics 320} (Physics 350/Physics 330)*	Chem IV Physics 491 (Physics 330/Physics 350)*

Geology: *Physics 310; Two of 320, 330, or 350; Geo 105, 225, 235; 245 or one 300-level Geology course*

Year 3:	Physics 310 [Physics 320] Geology 105	[Physics 330] [Physics Selective] Geology 235
Year 4:	[Physics 350] Physics 490 Geology 225 [Geology 245]	[Physics Selective] Physics 491 [Geology 300-level]

Comp Sci: *Physics 310; Two of 320, 330, 340, 350; Math 210; CS 131, 229, 239, and one 300-level (excl. Practicum, Senior Seminar)*

Year 3:	Physics 310 [Physics 320] CS 131	[Physics 330] CS 229
Year 4:	[Physics 350] Physics 490 CS 239/CS 300-level	[Physics 330] Physics 491 CS 300-level/CS 239

Education: *Physics 320, three Selectives**; Ed 201; Ed 207; and 4 units of Ed 300

Year 3:	Physics 320 Ed 201	[Physics Selective] Ed 207
Year 4:	Ed 300 Physics 490 [Physics Selective]	Ed 300 Physics 491 [Physics Selective]

[†]A “Physics Selective” is a 260/360 series course, or any 300-level physics course not otherwise required for the Concentration.

[‡]A two-credit course.

[§]Recommended courses for the eight Physics units above 300 required for the Math Concentration.

*Physics 350 is only offered in the fall; Physics 330 is only offered in the spring

[†]Strongly recommended course, but not required for the Concentration.

(...) Only one of the courses given in parentheses is required for the Concentration.

{...} Course sequences listed in curly brackets may be taken in either junior or senior year.

[...] A course listed in square brackets may be taken at any time.