

Example Program for Astronomy Concentrations for students matriculating without any college credit

Freshman Year Fall Spring	Sophomore Year Fall Spring	Junior Year Fall Spring	Senior Year Fall Spring
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Astronomy Concentration (1911)

AS202	AS203	AS311	AS312	Elective	AS441	(AS401)	(AS402)
PY251 (211)	PY252 (212)	PY351 (313)	Required 1	Required 2	Required 3	Required 4	Elective
MA123	MA124	MA225	Elective	Divisional 1	Divisional 2	Divisional 3	Divisional 4
WR100	WR150	Lx111	Lx112	Lx211	Lx212	Elective	Elective

Notes: Required 1-4: Four Astronomy or Physics Courses drawn from: AS413, AS414, AS491 or 492 (but not both) PY353, PY404, PY408, PY410, and PY451
Recommended Courses: Any from the above list of required courses not already taken as well as MA 226, MA242, PY406, GE310, CS111, CS112

Astronomy and Physics Concentration (1965)

AS202	AS203	AS311	AS312	PY405	PY406	(AS401)	(AS402)
PY251 (211)	PY252 (212)	PY351 (313)	PY355	PY408	PY451	Elective	AS441(PY581)
MA123	MA124	MA225	Divisional 1	Divisional 2	Required 1	Required 2	PY410
WR100	WR150	Lx111	Lx112	Lx211	Lx212	Divisional 3	Divisional 4

Notes: Required 1-2: Any two of the Astronomy or Physics Courses AS413, AS414, PY452
Recommended Courses: Any from the above list of required courses not already taken as well as MA 226, MA242, PY371, GE302, GE310, CS111, CS112

Geophysics and Planetary Physics Concentration (1932)

AS202	ES1xx	AS311	ES360	Required 1	Required 2	Required 3	Required 4
PY251 (211)	PY252 (212)	CH131 (101)	PY355	PY405 (408)	Elective	(AS/ES401)	(AS/ES402)
MA123	MA124	MA225	Elective	Divisional 1	Divisional 2	Divisional 3	Divisional 4
WR100	WR150	Lx111	Lx112	Lx211	Lx212	Elective	Elective

Notes: Required 1-4: Four Interdepartment elective courses drawn from: AS312, AS414, ES222, ES301, ES371, ES483, ES505, ES581, GE302, GE310, GE312, PY313 or 351, PY410, PY405 or 408 if not already taken (not all from same department, at least one at 400 level).
Recommended Courses: Any from the above list of required courses not already taken as well as CH102, CS111, CS112.

Color Key: Concentration Requirements

	Department of Astronomy Courses
	Department of Physics Courses
	Department of Earth Sciences Courses
	Department of Math and Statistics Courses
	Required concentration electives drawn from list
	Work for Distinction (Optional)

College of Arts and Sciences Requirements

	Breath Requirement
	Foreign Language Requirement
	Writing Requirement

General: The one-semester MA127 or 129 courses may replace the two-semester MA123/124 sequence
CC101 and 102 fulfill the WR100 requirement and the humanities divisional course requirement
CC201 and 202 or CC203 and 204 fulfill the WR150 and divisional course requirements