

## Example program for Astronomy students matriculating before Fall 2001

For students with a one-semester late start in Physics

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring

### Astronomy Concentration (1911)

AS202	AS203	AS311	AS312	Required #1	Required #3	Required #4	AS441
Divisional #1	PY211	PY212	PY313	Required #2	Divisional #4	Divisional #6	Elective #4
MA123	MA124	MA225	Divisional #2	Divisional #3	Divisional #5	Elective #2	Elective #5
EN104	For Lang 111	For Lang 112	For Lang 211	For Lang 212	Elective #1	Elective #3	Elective #6

**Notes:** Required #1-4: Astronomy or Physics electives drawn from AS413, AS414, AS491 (or 492 but not both), PY403, PY405, PY408, PY410, and PY451  
 Recommended: Any from above required list if not already taken as an elective in addition to MA242, PY406, GG310, CS111, and CS112

### Astronomy and Physics Concentration (1965)

AS202	AS203	AS311	AS312	Required #1	PY406	Required #2	AS441(PY581)
Divisional #1	PY211	PY212	PY403	PY405	PY410	Divisional #3	Divisional #6
MA123	MA124	MA225	PY313	PY408	PY451	Divisional #4	Elective #1
EN104	For Lang 111	For Lang 112	For Lang 211	For Lang 212	Divisional #2	Divisional #5	Elective #2

**Notes:** Required #1-2: Astronomy or Physics electives drawn from AS413, AS414, and PY452  
 Recommended: Any from above required list if not already taken as an elective in addition to PY371, GG302, GG310, CS111, and CS112

### Planetary and Space Sciences Concentration (1932)

AS202	AS203	AS311	ES101 or 105	PY405	Required #1	Required #2	Required #3
Divisional #1	PY211	PY212	PY403	CH101	Divisional #3	Divisional #5	Divisional #6
MA123	MA124	MA225	PY313	Divisional #2	Divisional #4	Elective #2	Elective #4
EN104	For Lang 111	For Lang 112	For Lang 211	For Lang 212	Elective #1	Elective #3	Elective #5

**Notes:** Required #1-3: Interdepartmental electives drawn from AS414, ES222, ES301, ES331, ES333, ES371, ES405, ES424, ES571, GG302, GG310, GG312, GG440, and GG502. (with no more than 2 from any one department)  
 Recommended: Any from above required list if not already taken as an elective in addition to AS312, ES360, ES483, CH102, CS111, and CS112

**Color Key:**

Concentration	= Department of Astronomy course
	= Department of Physics course
Requirement	= Department of Mathematics course
	= Related Department course
Categories	= Elective drawn from interdisciplinary list
	= College elective
College	= Divisional Studies requirement (may be replaced with Core Curriculum)
Requirement	= Foreign Language requirement
Categories	= English requirement

**General :** The one-semester MA127 or MA129 courses may replace the two semester MA123 and MA124 sequence  
 Enrolling in PY212 in the summer allows students to take PY354 in the fall instead of PY313 in the spring.