

Revised Major Requirements	Physics
Total # of units required for major, excluding any required Intensive(s)	10
Required Intensive units, if any	1 or 1.5
Total units required	11 or 11.5
Total # of specific courses required (e.g., 101 & 102; 218; one of 225, 226, or 227; 301-02; 362) . Please list below and indicate # of units for each.	8 or 8.5
PHYS 113 - Fundamentals of Physics I	1
PHYS 114 - Fundamentals of Physics II	1
There are two tracks to complete a major - Physics Track and Physics Education Track	
Physics Track:	
PHYS 200 - Modern Physics	1
PHYS 202 - Introduction to Experimental Physics	0.5
PHYS 203 - Experimental Physics II	0.5
PHYS 210 - Classical Mechanics	1
PHYS 240 - Electromagnetism I	1
PHYS 245 - Introduction to Statistical Mechanics	1
PHYS 320 - Quantum Mechanics I	1
Physics Education Track:	
PHYS 200 - Modern Physics	1
PHYS 202 - Introduction to Experimental Physics	0.5
PHYS 210 - Classical Mechanics	1
PHYS 240 - Electromagnetism I	1
PHYS 245 - Introduction to Statistical Mechanics	1
EDUC 235 - Issues in Contemporary Education	1
PHYS 320 - Quantum Mechanics I	1
Distributional content area units required (e.g. 1 unit at the 200 level in each of the three subdivisions of the field). To the right, list units for any not already included above. Below, list the distributional statement.	
NONE	
ELECTIVES. To the right, indicate units not included above. Below, list any structured electives not included above (e.g., 2 electives at the 200 level and 2 elective seminars)	2 or 1.5
Physics Track:	
Two units of 300-level regular courses such as PHYS 341, PHYS 375. One unit may be ASTR 320, ASTR 322, or ASTR 330	2
Physics Education Track:	
PHYS 298 - Independent Work (a lab internship)	0.5
One unit of 300-level PHYS courses chosen from:	1
PHYS 341 - Electromagnetism I	
PHYS 375 - Advanced Topics in Physics	
INTENSIVE(S) required. Below, list any specific required intensive(s).	1 or 1.5
Physics Track: One unit of Intensives from departmental offerings at any level	1
Physics Education Track:	
PHYS 399 - Senior Independent Work	0.5

PHYS or EDUC Intensive in curriculum or pedagogy development (approval of advisor required)	1
Other. Please explain below.	
For Physics Track, MATH 220 and 228 are strongly recommended	
For Physics Education Track, ASTR 101 or 105; EDUC 299a,b; EDUC 155; PHYS 203; MATH 220 and 228 are recommended	
Sum of 5 light grey boxes, should equal "Total units required" above	11 or 11.5

Physics & Astronomy

During the transition to the Rebalanced Curriculum Initiative students should work closely with their advisor or the program director to plan out their course work to meet their major requirements. The table below provides some guidance for students and advisors.

For PHYSICS

Class of...	Old or New major requirements	Courses to be offered <u>only</u> during transition	Changes or considerations
2020	old		No change in major; Intensive offerings begin
2021	new		Intensives required; math recommended but not required, PHYS 113, 114 required
2022	new		Intensives required; math recommended but not required, PHYS 113, 114 required

Old major: core courses PHYS 200, 202/3, 210, 240, 245, 320 plus 3 300-level, 2 from 341 or any 375.; 3rd can be ASTR or other related 300-level. Math 220, 228 required.

New major: same core courses, plus PHYS 113, 114 = 8 units, plus 2 300-level (up to 1 ASTR 300-level) plus 1 physics Intensive = 10 courses, 1 Intensive

Physics Education track: PHYS 200, 202, 210, 245, 320 plus 298 lab intern, 1 of 341, 350, 375; 1 physics intensive plus PHYS 399 0.5 unit = 10 courses, 1.5 Intensive; no longer teacher certified

For ASTRONOMY

Class of...	Old or New major requirements	Courses to be offered <u>only</u> during transition	Changes or considerations
2020	old		No change in major; Intensive offerings begin

2021	new		Intensives required; choice of PHYS 200-level; 2 ASTR 300-level; up to 2 ASTR 100-level instead of 1
2022	new		Intensives required; choice of PHYS 200-level; 2 ASTR 300-level; up to 2 ASTR 100-level instead of 1

Old major: 10 units, including 5 astro (no more than 1 100-level; at least 1 of 300-level), 3 physics incl. PHYS 200, 2 additional astro, physics, or related

New major: 9 courses: At least 2 of ASTR 220, 230, 240; at least 2 of ASTR320, 322, 330; PHYS113, 114, 1 of PHYS 200, 210, 240; up to 2 from ASTR101, 105, or other related, plus 1 ASTR Intensive