

Physics and Astronomy Major Course Schedule and Requirements

2015-2016			
SUMMER 2015	FALL 2015	WINTER 2016	SPRING 2016
A1	A2/3	P4	A1
A2/A3	P3	P5*	P1/P2
P3	P13	A25	P4
P42	P15	P13	A15
	P19	P14	P14
	P43	P16	P19
	P47	P41	P30
	P68	P48 (ENGS 32)	P31
	P70 (ENGS 92)	P90	P40
	P73		P66*
	P77*		P74*
	ENGS 72		P76

Notes:

1. P24 re-numbered to P40 starting Spring 2016
2. Students who took P15 do not need to take P19 but must take additional elective
3. P42 re-numbered to P50 starting in Fall 2016 and moves to Fall term
4. ENGS 72 can be substituted for P44 as a core course
5. 40's level core courses may be taken in any order
6. Most courses numbered 50 and above have additional pre-reqs. Consult ORC.
7. Astronomy FSP in alternate years (W15, W17) gives credit for A15, A61, and A81
8. * denotes course that are offered every other year
9. **Please note-A15 will NOT be offered 17S as stated in the ORC.**

Physics Major Requirements

Pre-requisite: Math 3, Math 8 (or Math 11), Math 13, Math 23, PHYS 13, PHYS 14 (or P15/16)

Core Courses P19 (or P15), P40 (or P24), P41, P43, P44 (or ENGS 72), P50

Electives: Two required (three for students taking P15 instead of P13/19)

Lab Req.: electives must include one upper level laboratory course

Culminating: Credit for one of the following satisfies the culminating activity requirement.

P68, P72, P73, P74, P77, P76, P82, A74, A75, A81, or P87.

The culminating activity is included in the 8 courses required for the major

Additional courses recommended for students interested in graduate study:

Physics 66, 76, and 90

Math 22 or Math 24

Astronomy Major Requirements

Pre-requisite: Math 3, Math 8 (or Math 11), Math 13, PHYS 3/4 or PHYS 13/14 or PHYS 15/16

Core Courses A15, A25, A61, plus one of A74, A75, A81 or A87

Electives: Two additional from any P&A course numbered 19 and above

electives may also be selected from other science dept. with approval

Culminating: Credit for one of the following satisfies the culminating activity requirement.

A74, A75, A81, A87, or P77

The culminating activity is included in the 8 courses required for the major

Engineering Physics Major Requirements

Pre-requisite: Math 3, Math 8 (or Math 11), Math 13, Math 23, PHYS 13, PHYS 14 (or P15/16)

CHEM 5, COSC 1, and COSC 10 or ENGS 20

Core Courses ENGS 22, 23, 24, PHYS 19 (or substitute other for P15 students), 40, 43

Electives: four required (two from each department - see ORC)

Students completing an engineering physic major can enter the BE program at Thayer school

Other Majors and Minors

(Please consult the ORC and your advisor for details)

Modified Physics Major

Physics Minor

Astronomy Minor

Mathematical Physics Minor

Warning! This document only briefly summarizes major requirements.

Please consult with your major advisor to make sure your schedule meets your personal interests and the requirements!

2016-2017			
SUMMER 2016	FALL 2016	WINTER 2017	SPRING 2017
A1	A2/A3	P4	A1
A2/A3	P3	P13	P1/P2
P3	A74	P14	P4
P44	P13	P16	A25
	P15	P41	P14
	P19	P48 (ENGS 32)	P14
	P43	P90	P19
	P50	P92*	P30
	P47	Astro FSP(A15, A61, A81)	P31
	P68		P40
	P70 (ENGS 92)		P72*
	P73		P75*
	ENGS 72		P76

2017-2018			
SUMMER 2017	FALL 2017	WINTER 2018	SPRING 2018
A1	A2/3	P4	A1
A2/A3	P3	P5*	P1/P2
P3	A61*	A25	P4
P44	A74	P13	A15
	P13	P14	P14
	P15	P16	P19
	P19	P41	P30
	P43	P48 (ENGS 32)	P31
	P47	P90	P40
	P50		P66*
	P68		P74*
	P70 (ENGS 92)		P76
	P73		
	P77*		
	ENGS 72		