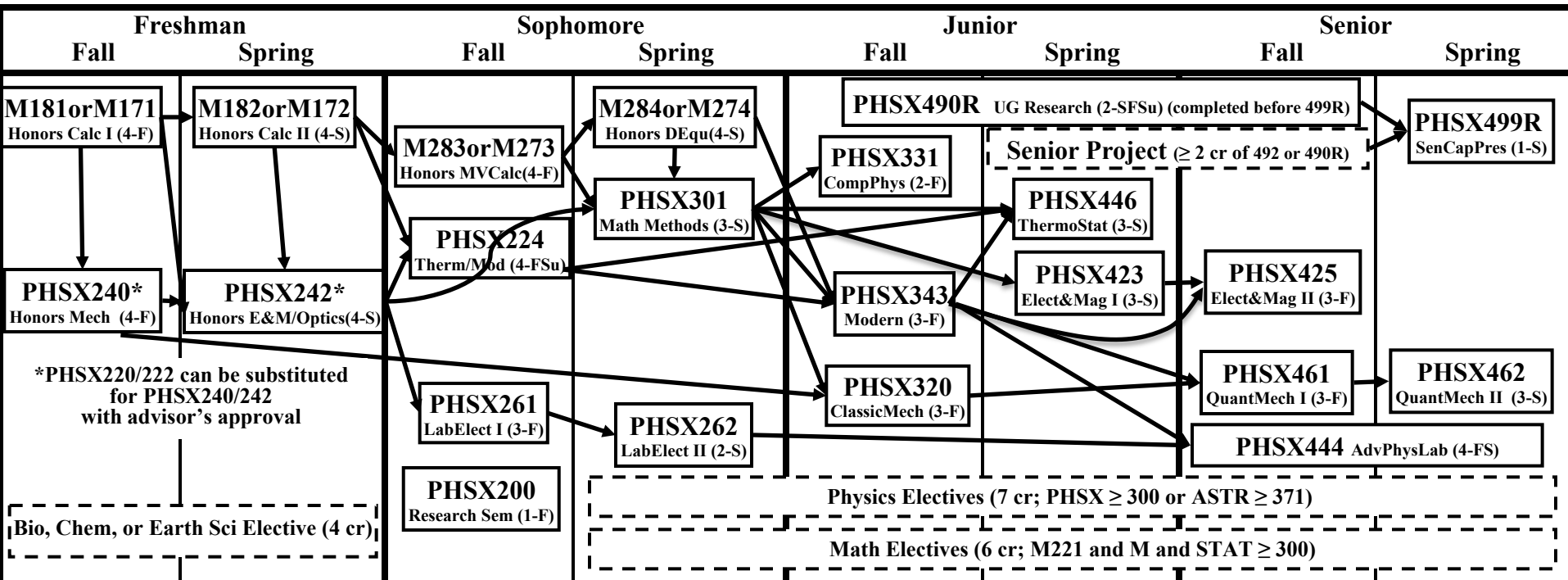


Physics: Professional Option (2023-2024)

Modified
10/19/2022



Suggested Physics and Math Electives: Verify in current catalog

Math Electives
(M221, M ≥ 300, STAT ≥ 300)
(suggested courses below, 3 credits each)

Fall and Spring

M221 (IntroLinAlg)
STAT332 (StatScEng)

Spring

M329 (Mod Geom)
M349 (T Appl II)
M384 (Analysis II)
M386R (SoftAppl)
M430 (MathBio)
M431 (AbsAlg)
M442 (Numerical)
M451 (ApplMathII)
M455 (DynSys II)
M472 (Complex)

Fall

M333 (LinAlg)
M348 (TechAppl I)
M383 (Analysis I)
M450 (ApplMath I)
M454 (DynSys I)
M476 (Intro Top)

Physics Electives (≥ 300)

Fall

ASTR373
Ex-Gal Astro (3-F-even)
ASTR475
Observ Astro (4-F-odd)

Spring

PHSX305RN
Holography (3-S)
ASTR372
Galactic Astro (3-S)
PHSX427
Adv Optics (3-S-even)
PHSX437
Laser Appl (3-S-odd)
PHSX441
Solid State (3-S-odd)
PHSX451
Elem Particles (3-S-odd)
ASTR476
Astrophysics (3-S)

Fall & Spring

PHSX491
(On demand)
PHSX492
Ind. Study
(On demand, SFSu)
PHSX494
Seminars (1-FS)
Not P/F

See catalog for pre-requisites for elective courses.

Required Courses

Required Elective Credits

Suggested Electives

Pre-Req

Course#
CourseName
(# of Credits-
Semester Offered)
F=Fall S=Spring
Su=Summer
odd =only odd years
even=only even years

Co-Req

Course

Senior Project credits also count for PHSX490R or Physics elective requirements.

Note: 2 credits of PHSX490R must be completed before taking PHSX499R.

A minimum of 120 total credits is required for graduation; 42 credits must be numbered ≥ 300. C- or better is required for all required courses. D-, D, D+, and P credits only count towards the overall 120 credit requirement.