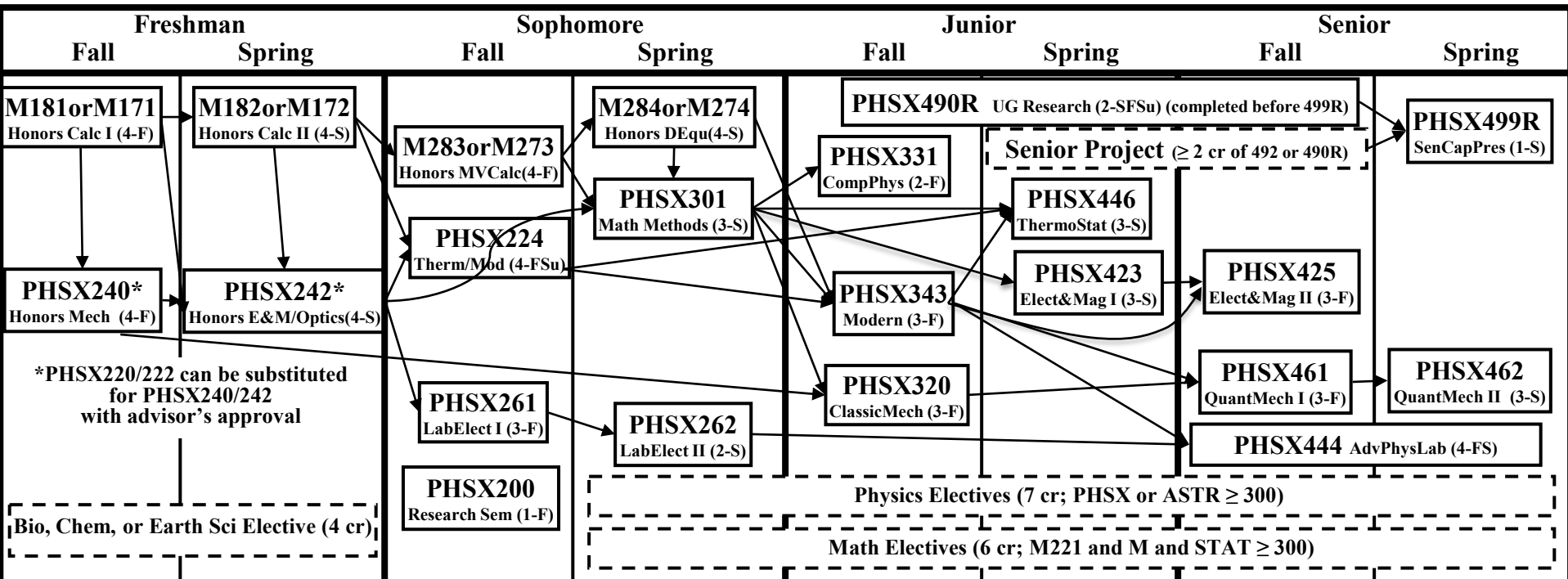


# Physics: Professional Option (2021-2022)



## 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)  
PHSX435/ASTR476  
Astrophysics (3-S)  
PHSX437  
Laser Appl (3-S-odd)  
PHSX441  
Solid State (3-S-odd)  
PHSX451  
Elem Particles (3-S-odd)

**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**

**Course#**  
CourseName  
(# of Credits-Semester Offered)  
F=Fall S=Spring  
Su=Summer

odd =only odd years  
even=only even years

**Co-Req**

**Pre-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.