Physics: Interdisciplinary Option (2023-2024)

**Freshman**
- **Fall:** PHSX240* Honors Mech (4-F)
- **Spring:** PHSX242* Honors E&M/Optics (4-S)

**Sophomore**
- **Fall:** PHSX224 Therm/Mod (4-FS)
- **Spring:** PHSX261 Lab Elect I (3-F)

**Junior**
- **Fall:** PHSX301 Math Methods (3-S)
- **Spring:** PHSX320 ClassicMech (3-F)

**Senior**
- **Fall:** PHSX490R UG Research (2-SFSu) (completed before 499R)
- **Spring:** PHSX499R SenCapPres (1-S)

*PHSX220/222 can be substituted for PHSX240/242 with advisor’s approval*

**Suggested Physics and Math Electives: Verify in current catalog**

**Math Electives**
- (M221, M ≥ 300, STAT ≥ 300)

**Fall and Spring**
- M221 (Intro LinAlg)
- STAT332 (StatScEng)

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

**Spring**
- M329 (Mod Geom)
- M349 (T Appl II)
- M366R (SoftAppl)
- M430 (MathBio)
- M431 (AbsAlg)
- M442 (Numerical)
- M451 (ApplMathII)
- M455 (DynSys II)
- M472 (Complex)

**Physics Electives (≥ 300)**

**Fall**
- ASTR373 Ex-Gal Astro (3-F-even)
- ASTR475 Obs Astro (4-F-odd)

**Spring**
- PHSX305RN Holography (3-S)
- PHSX372 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)
- PHSX476 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**
- **Course#**
  - ASTR373 Ex-Gal Astro (3-F-even)
  - ASTR475 Obs Astro (4-F-odd)

**Required Elective Credits**
- F=Fall S=Spring
- Odd = only odd years
- Even = only even years

**Suggested Electives**
- **Co-Req**

**Pre-Req**

**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+, and P credits only count towards the overall 120 credit requirement.