Physics Interdisciplinary Option (2010-2012)

**Freshman**

**Fall**
- M181 or M171
  - Honors Calc I (4-F)
- PHSX240*
  - Honors Mech (4-F)

**Spring**
- M182 or M172
  - Honors Calc II (4-S)
- PHSX242*
  - Honors E&M/Optics (4-S)

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

**Sophomore**

**Fall**
- M283 or M273
  - Honor/MVCalc (4-F)
- PHSX224
  - Therm/Mod (4-F)
- PHSX261
  - Lab Elect I (1-F)
- PHSX200
  - Research Sem (1-F)

**Spring**
- M284 or M274
  - Honor/DEqu (4-S)
- PHSX301
  - IntroTheory (3-S)
- PHSX262
  - Lab Elect II (2-S)

**Junior**

**Fall**
- PHSX490R
  - UG Research (2-SFSu) (completed before 499R)
- PHSX331
  - CompPhys (1-F)
- PHSX425
  - QuantMech I (3-F)

**Spring**
- PHSX343
  - Elect & Mag I (3-S)
- PHSX423
  - Elect & Mag II (3-F)
- PHSX461
  - Quantum Mech II (3-S)

**Senior**

**Fall**
- PHSX499R
  - SenCapPres (1-S)

**Spring**
- PHSX444
  - AdvPhysLab (4-FS)

**Physics Electives (6 cr; PHSX253 and PHSX ≥ 300)**

- Math Electives (6 cr; M221 and M and STAT ≥ 300)

**Option Courses (16 cr): Courses from declared Area and approved by advisor and participating department**

**Required Courses**

- Physics Electives (PHSX 253 and ≥ 300)
  - Fall
    - PHSX253
    - Photography (2-F)
    - ASTR371
    - SolarAstro (4-F)
    - PHSX441
    - SolidState (3-F-a10)
    - PHSX451
    - Elempart (3-F-a10)
    - Fall & Spring
    - PHSX492
    - Ind. Study (On demand, SFSu)
    - PHSX494
    - Seminars (1-FS)
    - Not P/F
  - Spring
    - ASTR373
    - StarsGalUniv (4-S-a11)
    - PHSX305RN
    - Holography (3-S)
    - PHSX327
    - Optics (3-S-a12)
    - PHSX337
    - LaserAppl (3-S-a12)
    - PHSX345
    - Astrophysics (3-S-a12)
    - PHSX442
    - NovelMat (3-S-a11)

- Math Electives (221 and ≥ 300)
  - Fall
    - M328
    - High Math (3-F)
  - Spring
    - M329
    - Matrix (3-S)
  - Fall & Spring
    - M349
    - Tech/App I II (3-S)

- Math Electives
  - See catalog for STAT courses ≥ 300

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**See catalog for pre-requisites for elective courses.**

**Required Courses**

**Course#**

- CourseName
  - (# of Credits - Semester Offered)
  - F = Fall, S = Spring
  - Su = Summer
  - YY = alternate years
  - YYYY = year offer

**Required Elective Credits**

- Co-Req

**Suggested Electives**

- Pre-Req

**See catalog for other electives.**

**Senior Project**

- Senior Project credits also count for PHSX490R or physics elective requirements.

- Note: PHSX320 has the option of PHSX301 or M348 as a pre-req.

- 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 electives and 120 total credits.

Updated 4/6/10