# Physics Professional Option (2014-2016)

## Freshman
- **Fall**: M181orM171 Honors/Calc I (4-F), PHSX200 Research Sem (1-F), Bio, Chem, or Earth Sci Elective (4 cr)
- **Spring**: M182orM172 Honors/Calc II (4-S), PHSX240* Honors Mech (4-F)

## Sophomore
- **Fall**: M283orM273 Honor/MVCalc(4-F), PHSX224 Therm/Mod (4-F)
- **Spring**: M284orM274 Honor/DEqu(4-S), PHSX301 IntroTheory (3-S)

## Junior
- **Fall**: PHSX320 ClassicMech (4-F)
- **Spring**: PHSX343 Modern (3-F)

## Senior
- **Fall**: PHSX490R UG Research (2-SFSu) (completed before 499R), PHSX492 Ind. Study (On demand, SFSu)
- **Spring**: PHSX494 Seminars (1-FS), Not P/F, PHSX446 ThermoStat I (3-S)

## Required Courses
- PHSX253 Photography (2-F)
- ASTR371 SolarAstro (4-F)
- PHSX492 Ind. Study (On demand, SFSu)
- PHSX494 Seminars (1-FS)

## Suggested Electives
- Math Electives (M221, M ≥ 300, STAT ≥ 300) (suggested courses below, 3 credits each)
  - Fall: M330 (Hist Math), M333 (LinAlg), M348 (TechAppl I), M383 (Analysis I), M450 (ApplMath I), M454 (DynSys I)
  - 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)

## Suggested Physics and Math Electives: Verify in current catalog
- Math Electives
- Suggested Courses

## Senior Project
- ≥ 2 cr of 492 or 490R

## Credits
- 120 total credits
- 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.

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