Physics: Teaching Option (2023-2024)

**Fall**
- M181/M171: Honors Calc I (4-F)
- M283/M273: Honors Multivar Calc (4-F)
- PHSX224: Phys III (Mod) (4-FSu)
- HDFS101IS: Ind & Fam Dev (3-FSSu)
- PHSX240*: Honors Mech (4-F)

**Spring**
- M182/M172: Honors Calc II (4-S)
- M284/M274: Honors DEqu (4-S)
- PHSX242*: Honors E&M (4-S)
- Bio, Chem, or Earth Sci Elective (3 cr)

**Freshman**
- Spring
- Fall

**Sophomore**
- Fall
- Spring
- M242: Meth of Proof (3-S)
- PHSX343: Modern (3-F)
- PHSX301: Math Methods (3-S)
- PHSX320: Classic Mech (3-F)
- ASTR371: Solar Astro (4-F)
- EDU211D: Multi-Cultural (3-F)
- EDU223IS: Psych/Adol ex (3-F)
- PHSX261: Lab Elect I (3-F)
- EDU382: Assess (3-FSu)
- EDM403: Sci Methods Sci (3-F)
- EDU370: Int Tech Ed (3-FSSu)

**Junior**
- Fall
- Spring
- M328: High Math (3-F)
- PHSX423: Elect & Mag I (3-S)
- PHSX427: Adv Optics (3-S)
- PHSX461: Quant Mech II (3-S)
- PHSX437: Laser Appl (3-S-odd)
- ASTR476: Astrophysics (3-S)
- EDM405: Math Methods Math (3-F)
- EDM403: Sci Methods Sci (3-F)

**Senior**
- Fall
- Spring
- STAT216Q: Intro Stat (3-F)
- EDP 304: Practicum 5-12 (2-FS)
- EDP 305: Practicum Lab (1-FS)
- EDU495R: Stud Teach (12-FSSu)
- EDM405: Math Methods Math (3-F)
- EDM403: Sci Methods Sci (3-F)
- EDU495R: Stud Teach (12-FSSu)
- EDU347: Managing (2-FS)

**Suggested Physics Electives:**
- PHSX200: Research Sem (1-F)
- PHSX262: Lab Elect II (2-S)
- PHSX331: Comp Phys (2-F)
- PHSX425: Elect & Mag II (3-F)
- PHSX441: Solid State (3-F-odd)
- PHSX461: Quantum Mech I (3-F)
- PHSX240* Honors Mech (4-F)
- PHSX242* Honors E&M (4-S)

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

**Required Courses**

**Course# CourseName (# of Credits-Semester Offered)**
- F=Fall S=Spring Su=Summer
- D=On Demand
- aYY = alternate years
- YY = year offered
- Co-Req
- Pre-Req

**Fall & Spring**
- PHSX200: Research Sem (1-F)
- PHSX262: Lab Elect II (2-S)
- PHSX331: Comp Phys (2-F)
- PHSX441: Solid State (3-F-odd)
- PHSX461: Quantum Mech I (3-F)
- PHSX444: Adv Phys Lab (4-FS)
- PHSX492: Lab Elect II (3-F)
- PHSX491: Ind. Study/Research (On demand, SFSu)
- PHSX494: Ind. Study/Research (On demand)
- PHSX494-22: Lab Elect II (1-F) - Not P/F

**Spring**
- PHSX305SR: Holography (3-S)
- ASTR372: Galactic (3-S)
- PHSX427: Adv Optics (3-S-even)
- PHSX437: Laser Appl (3-S-odd)
- ASTR476: Astrophysics (3-S)
- PHSX446: Thermo Stat (3-S)
- PHSX451: Elem Part (3-S-odd)
- PHSX462: Quant Mech II (3-S)
- PHSX499: Sen Cap Pres (1-S)

**Required Elective Credits**
- 128 total credits is required for graduation; 42 credits must be numbered ≥300. C or better is required for all courses applied to major. D-, D+, C- and P credits only count towards 128 total credits. Recommend taking "RH" and "RA" core classes to satisfy the requirement for 3 credits of Core 2.0 "R".

**Suggested Electives:**

See catalog for pre-requisites for elective courses.