RECOMMENDED ENGINEERING PHYSICS CURRICULUM FLOWCHART
Effective for Students Entering EP September 2018 or later

Semesters

Fall 1 | Spring 1 | Fall 2 | Spring 2 | Fall 3 | Spring 3 | Fall 4 | Spring 4
---|---|---|---|---|---|---|---

**Fall 1**
- InterEgr 170 Design practicum
- EMA 201 Statics
- Math 221 Calculus
- Chem 109 General chemistry
- Comm A
- Liberal studies

**Spring 1**
- EMA 202 Mechanics
- Math 222 Calculus & Analytic Geometry
- Physics 202 General Physics
- EPD 275 Public Speaking
- Liberal studies

**Fall 2**
- Physics 311/EMA 202 Mechanics
- Math 319 Diff Equations
- Physics 205/241 Modern Physics
- EP 271/CS 310 Engr Problem Solving
- EP focus area

**Spring 2**
- EMA 303 Mechanics of Materials
- Math 324 Multi-Var Calculus
- Physics 322* Electromag Fields
- MSE 351/CBE 440 Intro to Material Science
- Advanced computer science**

**Fall 3**
- EMA 307 Mechanics Lab
- Math 321 Applied Math Analysis
- NE 305 Fund of NE/Physics 521 Quantum Mech***
- ME 361/Physics 330 Thermodynamics
- EP 468† Intro to Engr Research

**Spring 3**
- Math 340/341 Linear Algebra
- ECE 376/Physics 321 Circuits
- EP 568 Research Practicum I
- Tech elective

**Fall 4**
- EP focus area
- EP focus area
- EP focus area
- EP focus area
- Tech elective
- EP focus area

**Spring 4**
- EP focus area
- EP focus area
- EP focus area
- EP focus area
- EP focus area
- EP focus area

**Credits**
- 16 credits
- 15 credits
- 17 credits
- 17 credits
- 16-17 credits
- 16 credits
- 15-16 credits
- 17 credits

* Topics from Math 321 are applied in Physics 322, and some students may find it helpful to take Physics 322 after Math 321 if Physics 322 is not required for focus area courses.
** CS 300 or 412, or EMA/EP 471, or EMA 476
*** Or Physics 551 for nanotechnology focus area
† Students are encouraged to take EP 468 during their 2nd year to allow for more flexibility in the research sequence