## PHYSICS BS (concentration in Physics), COURSE SEQUENCE

**Calculus 1 (MATH 251X) completion is required for entering 4-year BS sequence**

| YEAR | FALL | SPRING |
|---|---|---|
| 1 | PHYS 211X (General Physics 1)<br>MATH 252X (Calculus 2)<br>ENGL 111X | PHYS 212X (General Physics 2)<br>MATH 253X (Calculus 3)<br>COMM 131X or 141X |
| 2 | PHYS 213X (Modern Physics)<br>ENGL 211X or 213X | PHYS 220 (Computational Physics)<br>PHYS 301 (Mathematical Physics) |
| 3 | PHYS 341 (Particle Mechanics)<br>PHYS 381 (Physics Laboratory) | PHYS 342 (Electricity & Magnetism)<br>PHYS 351 (Thermal Physics) |
| 4 | PHYS 343 (Vibrations & Waves )<br>PHYS 421 (Quantum Mechanics) | PHYS 462 (Optics)<br>PHYS 451 (Statistical Physics) |

**year 1: BS degree requirement: 1 natural science core course (not PHYS)**
**year 2-3: 6cr of MATH electives at 300 level or above:**
**recommended: MATH 302 (Differential Equations), MATH 314 (Linear Algebra)**
**year 3-4: recommendation for graduate studies: MATH 421 (Applied Analysis), MATH 422 (Complex Analysis)**
**year 3-4: PHYS 471/472 1cr modules (6cr required for graduation)**
**year 3-4: Capstone Project PHYS 400 (starting with catalog 2016_17)**

## BS Physics, dependency chart