

## 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) MATH 252X (Calculus 2) WRTG 111X	PHYS 212X (General Physics 2) MATH 253X (Calculus 3) COJO 131X or 141X
2	PHYS 213X (Modern Physics) WRTG 211X or 213X	PHYS 220 (Computational Physics) PHYS 301 (Mathematical Physics)
3	PHYS 341 (Particle Mechanics) PHYS 381 (Physics Laboratory)	PHYS 342 (Electricity & Magnetism) PHYS 351 (Thermal Physics)
4	PHYS 343 (Vibrations & Waves ) PHYS 421 (Quantum Mechanics)	PHYS 462 (Optics) PHYS 451 (Statistical Physics)

year 1: BS degree requirement: 1 natural science core course (not PHYS)

year 2-3: 6 cr 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 401 (Introduction to Real Analysis), MATH 410 (Introduction to Complex Analysis)

year 3-4: PHYS 471/472 1cr modules (6 cr required for graduation)

year 3-4: Capstone Project PHYS 400

### BS Physics, dependency chart

