



B.A. and Single Subject Credential Program in Physics

| | FALL | WINTER | SPRING | SUMMER |
|-------------|--|--|--|--|
| First Year | PHYS 1001 General Phys. I (5) MATH 1304 Calculus I (4) GE (4) GE (2) | PHYS 1002 General Phys. II (5) MATH 1305 Calculus II (4) GE (4) GE (2) | PHYS 1003 General Phys. III (5) MATH 2304 Calculus III (4) GE (4) GE (4) | GE (4) GE (4) |
| Second Year | CHEM 1101 General Chem. I (5) *BIO 1401 Found. of Bio. I (5) GE (4) GE (4) | CHEM 1102 General Chem. II(5) *BIO 1402 Found. of Bio. II (5) GE (4) GE (4) | *CHEM 1103 Gen. Chem. III (5) *BIO 1403 Found. of Bio. III(5) MATH 2101 Linear Algebra (4) GE (4) Apply for Credential Program | TED 5301 Psych. Found. (4) TED 5305 Socio. Found. (4) TED 5110 Computer Level I (3) TED 5380 Classroom Health and Safety (2) TED 5311 Classroom Envir. I (2) |
| Third Year | PHYS 3101 Analytical Mech. I(3) PHYS 3301 Quantum Mech. I (3) PHYS 4250 Selected Topics (1) MATH 3331 Differential Eqs. (4) *GEOL 1001 Intro. Earth Sci. (4) | PHYS 3102 Analytical Mec. II (3) PHYS 3302 Quantum Mech. II(3) PHYS 4250 Selected Topics (1) TED 3005 Field Experience (1) *GEOL 1002 Envir. Geo. Lab (2) | PHYS 3280 Electronics (4) PHYS 4600 Solid State Phys. (3) PHYS 4700 Modern Optics (3) TED 3006 Field Experience (1) GE (4) | TED 5314 Special Pop. (2) TED 5326 English Learners (4) TED 5320 Content Literacy (3) TED 5390 Subject Methods I (3) CBEST and CSET exams |
| Fourth Year | PHYS 3151 Therm. & Stat. I (3) PHYS 3281 Exp. Physics (4) PHYS 4001 E&M I (3) TED 538x Field (4) TED 5391 Subject Methods II(2) TED 5313 Classroom Envir. II(1) | PHYS 4002 E&M II (3) PHYS 4850 Undergrad Res. (1) PHYS 3180 Comp. Physics (4) TED 538y Field (4) TED 5392 Subject Methods III(2) TED 5313 Classroom Envir. III(1) | PHYS 4950 Physics Cap. (1) TED 538z Field (10) TED 5393 Subject Methods IV(2) TED 5318 Professional Resp. (4) | Summer Research at LLNL (optional) |

GE – General Elective. Be sure to seek advising to ensure you are satisfying all of your general education requirements.

* These classes are not required, but will prepare you for the CSET exam. Some of these courses may also count towards your general education requirements, see your advisor.

Students should seek advising from the Physics department quarterly. (510 – 885 – 3401)

A total of 3 units selected from PHYS 4250 and/or PHYS 4850 is required.

PHYS 3303 Quantum Mechanics III may be substituted for PHYS 4600 Solid State Physics.

PHYS 4003 Electromagnetism III may be substituted for PHYS 4700 Modern Optics.

PHYS 3383 Advanced Laboratory may be substituted for PHYS 3281 Experimental Physics.