

PHYSICS-CHEMISTRY B.A.Ed.
Course Sequence
(2004/05 Catalog)

CA12

104-117 Credits

| YEAR | FALL | WINTER | SPRING |
|------|---|--|---|
| 1 | M124 (5) Calculus I Chem121 (5) General Chemistry I P219 (3) Special Relativity | M125 (5) Calculus II Chem122 (5) General Chemistry II | M224 (5) Multivariate Calculus I Chem123 (4) General Chemistry III |
| 2 | P121 (4) Physics w/Calculus I P131 (1) Physics w/Calculus I Lab Option A or B: A:Chem251 (5) Elem.Organic Chem. B:Chem351 (4) Organic Chemistry | P122 (4) Physics w/Calculus II P132 (1) Physics w/Calculus II Lab B:Chem352 (4) Organic Chemistry B:Chem354 (2) Organic Chem. Lab | P123 (4) Electricity & Magnetism P133 (1) E & M Lab A:Chem375 (4) Elements of Biochem. B:Chem353 (3) Organic Chemistry B:Chem375 (4) Elements of Biochem. |
| 3 | P223 (3) Waves and Optics P233 (1) Waves and Optics Lab P201 (3) Science of Sound OR P205 (3) Lasers & Holography A315 (4) Gen.Astron.: Solar System | P224 (4) Modern Physics I ++Physics or Astronomy courses | SciEd370 (3) Science and Society |
| 4 | SciEd491 (5) Science Ed Methods Chem461 (4) Physical Chemistry | SciEd492 (4) Teaching Science Chem462 (4) Physical Chemistry | |
| | ++Eight additional credits of upper-division physics or astronomy courses under advisement, including 2-3 credits from one of the following: P491 Senior Project in Experimental Physics (1-3) P492 Senior Project in Theoretical Physics (1-3) A493 Senior Project in Astronomy (1-3) | | |

This major meets the requirements for Washington state teaching endorsements in both physics and chemistry. This major must be accompanied by the professional preparation program in secondary education.