

Secondary Natural Sciences/Chemistry Education Program Course of Study

Required Education Courses	Clinical hours
EDUC 210 Observing the Schooling Process	15 hours
EDUC 215 Instructional Communication: Theory & Practice	N/A
HIST 239 or PHIL 220 or SOAN 244 History or Philosophy or Anthropology of Education	N/A
PSYC 110 Introduction to Psychology	N/A
PSYC 210 Developmental Psychology	N/A
EDUC 313 Reading in the Content Areas	N/A
EDUC 315 Middle School Fieldwork & Seminar	150 hours
EDUC 314 Inclusive Learning Environments	15 hours
EDUC 419 Secondary Curriculum & Instructional Design	N/A
EDUC 420 Discipline Specific Secondary Instructional Design for Natural Sciences	15 hours
EDUC 421 Secondary Student Teaching and Seminar	560 hours
Required Content Courses	
CHEM 115 Chemistry I	N/A
CHEM 116 Chemistry II	N/A
CHEM 220 Organic Chemistry I	N/A
CHEM 221 Organic Chemistry II	N/A
CHEM 320 Physical Chemistry I	N/A
CHEM 321 Physical Chemistry II	N/A
300 Level CHEM Course (300/340/420/490)	N/A
CHEM 410 Senior Seminar or Senior Thesis	N/A
PHYS 110/120 Introductory Physics	N/A
PHYS 111/121 Introductory Physics	N/A
MATH 110 Calculus I	N/A
MATH 111 Calculus II	N/A
BIO 120 Organismal Biology	N/A
BIO 220 Ecology and Evolution	N/A
PHYS 109 Astronomy and Cosmology	N/A

Note: a grade of “C” or better is required in all content courses. A grade of B- or better is required for all EDUC courses.

Secondary Natural Sciences/Chemistry Education Major Course Sequence and Program Assessment Checkpoints

