University of New Hampshire

SUBJECT AREA REQUIREMENTS FOR CERTIFICATION
IN CHEMISTRY (7-12)

Students must complete a B.A. or a B.S. in chemistry and the required education courses.
CHEM 400 Freshman Seminar
CHEM 403 & 404 General Chemistry
CHEM 517 & 518 Quantitative Analysis
CHEM 547 & 549 Organic Chemistry I & lab
CHEM 548 & 550 Organic Chemistry II & lab
CHEM 574 Introduction To Inorganic Chemistry
CHEM 683 & 685 Physical Chemistry I & lab
CHEM 684 & 686 Physical Chemistry II & lab
CHEM 762 & 763 Instrumental Methods of Chemical Analysis & lab
CHEM 698 Seminar
CHEM Thesis
CHEM 755 & 756 Advanced Organic Chemistry & lab
CHEM 774 & 775 Advanced Inorganic Chemistry & lab
CHEM 776, Physical Chemistry III

Other Requirements
All majors: MATH 425 & 426, Calculus I & II, Biochemistry 658 or 751

B.S. degree: PHYS 407 & 408, General Physics I & II; one chemistry-related course

B.A. degree, chemistry major: PHYS 407, General Physics I, or PHYS 401 & 402, Introduction to Physics I & II; two other CHEM courses, except 698, or two approved chemistry-related courses.

Education Requirements for Chemistry Certification

EDUC 500 /935 Exploring Teaching
EDUC 700 /800 Educational Structure and Change
EDUC 701/801 Human Development and Learning
EDUC 705/805 Alternative Perspectives on the Nature of Education
EDUC 707/807 Teaching Reading Through the Content Area (2 credits)
EDUC 751/ 851B Educating Exceptional Learners
EDUC 791/891 Methods of Teaching Secondary School Science
EDUC 900,901 Internship & Seminar in Teaching (12 credits)

**Any Education course taken for a teacher licensure requirement must be completed with a grade of B- or better. This applies to any courses from other departments that have been designated as equivalent to an Education course.

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