



STATE OF ALABAMA DEPARTMENT OF EDUCATION
TEACHER EDUCATION AND CERTIFICATION

Program: Alternative A - Chemistry
Total Hours: 46

ALTERNATIVE CLASS A EDUCATION PROGRAM CHECKLIST

Institution: The University of Alabama in Huntsville

Date Approved: _____
Date Expires: _____
Revisions: _____

Study in each of the following areas:

Teaching Field: At least 1/3 of the program shall be in teaching field courses.

Curriculum:	
ED 604 - Contributions of Psychology to Education	3
ED 609 - Classroom & Behavior Management	3
Methods of Teaching:	
ED 523 - Teaching Science in Middle and High Schools	3
Diverse Populations: (including special needs)	
ED 530 - Applied Multiculturalism	3
Literacy: (including mathematics and technology)	
ED 608 - Reading in the Content Areas	3
ED 520 - Computer-based Instructional Technology	3
Professionalism:	
ED 501 - Introduction to Education	1
Using Assessment Data to Improve Student Learning:	
ED 607 - Education Leader as Evaluator	3
Survey of Special Education Coursework: (required if not previously completed)	
ED 593 - Educating the Exceptional Child & Youth	3
Internship:	
ED 698 - Middle and High School Internship	3

15 hours of graduate coursework in Chemistry is required

See graduate course listing or graduate catalog for course descriptions

English Language Arts, General Science, and General Social Studies programs shall require at least one course in two areas within the broader field.

Additional Courses:

Dean of Education:

Beth N. Quick

Date: 9-17-2015



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Chemistry - Graduate Courses

- • CH 500 - Topics in Chemistry
- • CH 521 - Chemical Instrumentation
- • CH 525 - Environmental Chemistry
- • CH 531 - Theoretical Organic Chemistry
- • CH 540 - Polymer Synthesis and Characterization
- • CH 549 - Spectroscopy and Molecular Structure
- • CH 553 - Introductory Quantum Mechanics I
- • CH 554 - Introductory Quantum Mechanics II
- • CH 560 - X-Ray Structure Determination
- • CH 561 - Biochemistry I
- • CH 562 - Biochemistry II
- • CH 565 - Molecular Biochemistry Laboratory
- • CH 600 - Advanced Inorganic Chemistry
- • CH 601 - Structural Methods in Inorganic Chemistry
- • CH 602 - Chemistry of Coordination Compounds
- • CH 603 - Chemistry of Nonmetal Compounds
- • CH 621 - Methods of Chemical Analysis
- • CH 631 - Synthetic Organic Chemistry
- • CH 632 - Physical Organic Chemistry
- • CH 633 - Organic Structure Determination
- • CH 640 - Advanced Chemical Thermodynamics
- • CH 641 - Statistical Thermodynamics
- • CH 642 - Advanced Chemical Dynamics
- • CH 643 - Quantum Chemistry
- • CH 644 - Chemical Electrodynamics
- • CH 645 - Polymer Physical Chemistry
- • CH 646 - Thermodynamics of Materials
- • CH 647 - Advanced Biophysical Chemistry I
- • CH 648 - Advanced Biophysical Chemistry II
- • CH 650 - Principles of Liquid & Solid Interfaces
- • CH 661 - Biological Macromolecules
- • CH 699 - Master's Thesis