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:**

**Curriculum:**
- ED 604 - Contributions of Psychology to Education: 3 hours
- ED 609 - Classroom & Behavior Management: 3 hours

**Methods of Teaching:**
- ED 523 - Teaching Science in Middle and High Schools: 3 hours

**Diverse Populations:** (including special needs)
- ED 530 - Applied Multiculturalism: 3 hours

**Literacy:** (including mathematics and technology)
- ED 608 - Content Area Reading: 3 hours
- ED 520 - Computer-based Instructional Technology: 3 hours

**Professionalism:**
- ED 501 - Introduction to Education: 1 hour

**Using Assessment Data to Improve Student Learning:**
- ED 607 - Educator as Evaluator: 3 hours

**Survey of Special Education Coursework:** (required if not previously completed)
- ED 593 - Teaching Exceptional Children: 3 hours

**Internship:**
- ED 698 - Middle and High School Internship: 3 hours

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

- 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:**

**Date:** ____________________________
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 Electrodynamiccs
- 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