



STATE OF ALABAMA DEPARTMENT OF EDUCATION  
TEACHER EDUCATION AND CERTIFICATION

Program: Alternative A - Biology  
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 Biology is required

See graduate course listing or graduate catalog for course descriptions

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**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:**

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**Dean of Education:**

Beth N. Quick

Date: 9-17-2015



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**Biological Sciences - Graduate Courses**

- •BYS 505 - Psychopharmacology
- •BYS 519 - Gene Structure and Function
- •BYS 532 - Animal Physiology
- •BYS 535 - Advanced Microbiology
- •BYS 537 - Psychobiology of Stress and Illness
- •BYS 543 - Molecular Biology of the Cell
- •BYS 547 - Biochemistry I
- •BYS 548 - Biochemistry II
- •BYS 556 - Advanced Molecular Techniques
- •BYS 562 - Community Ecology
- •BYS 563 - Population Ecology
- •BYS 564 - Limnology
- •BYS 600 - Neuroscience
- •BYS 630 - Immunology
- •BYS 690 - Seminar
- •BYS 691 - Special Topics (also at AAMU)
- •BYS 692 - Research (also at AAMU)
- •BYS 699 - Master's Thesis (also at AAMU)
- •MS 501 - Introduction to Oceanography
- •MS 502 - Marine Botany
- •MS 503 - Marine Invertebrate Zoology I
- •MS 505 - Marine Vertebrate Zoology
- •MS 509 - Marine Ecology
- •MS 510 - Marsh Ecology
- •MS 515 - Coastal Ornithology
- •MS 520 - Marine Geology
- •MS 525 - Marine Biology For Teachers
- •MS 599 - Research On Special Topics
- •MS 691 - Special Topics In Marine Sciences