Career Opportunities

Science teachers are actively sought by public and private schools. Because of the current shortage of biology teachers, students often obtain jobs regionally. However, the national and international market for biology teachers is wide-open for such graduates. Employment opportunities abound for biology teachers who have graduated from an accredited program, such as the one that Troy offers.

Internships in Biology Education

The Biology Education Major at Troy requires that students complete one semester of teaching internship at a junior or senior high school. This internship provides the student with necessary teaching experience through the supervision of a cooperating biology teacher. Students will learn real-life teaching experience through a variety of teaching methods which incorporates the use of technology as well as the use of hands-on laboratory experiences.

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For more information, contact:
Department of Biological & Environmental Sciences
213 McCall Hall (MSCX)
Troy University
Troy, AL 36082
biologyeducation@troy.edu
334/670-3401
Biology Education Degrees
TROY offers a bachelor’s and two master’s degrees in Biology Education. These degrees prepare students for a career in teaching biology at the secondary level (grades 6-12). For more than a century, TROY has been an innovative leader in teacher preparation.

Overview of the Degrees

Bachelor’s Degree
Students seeking Alabama teacher certification should select biology as a first major and education as a second major. Students should consult with their advisers concerning all certification requirements.

Master’s Degree
The two master’s degrees offered by TROY are the traditional and the non-traditional master’s programs. The traditional master’s program is designed for students possessing an undergraduate teaching degree. The non-traditional master’s program prepares students who have non-teaching bachelor’s degrees to pursue a master’s in Biology Education. For more information on the biology education master’s degrees, please refer to the University Bulletin available online at: http://www.troy.edu/catalogs/0506grad/index.html

This program is accredited by both the Alabama State Department of Education and the National Council for the Accreditation of Teacher Education.

Program of Study
In addition to the courses for the Biology Education major (listed below), students must also complete courses in a second major in a secondary education teaching field.

Because of the extra courses required for the second major, most students will need more than four (4) years to complete the bachelor’s degree unless they are prepared to take summer courses, or overloads.

To help guide them, students will be assigned separate advisors from each of the two majors. Students should consult regularly with both advisors to ensure they are meeting the requirements of the Education Program.

revised 10/02/08

Freshman year
Fall
Prin. of Bio. I & lab
Chemistry I & lab
Composition I
Computer Concepts
University Orientation

Spring
Organismal Bio. & lab
Chemistry II & lab
Composition II
Calculus I
Professional Educator

Sophomore Year
Fall
General Ecology & lab
Org. Chem I & lab
Microcomp. in Edu.
Edu. Psychology
General Studies

Spring
Microbiology & lab
Org. Chem. II & lab
Edu. Assessment
Fund. of Speech
General Studies

Junior Year
Fall
Genetics & lab
Botany lect. & lab
Physics I & lab
Applied Statistics
Methods and Materials

Spring
Zoology lect. & lab
Classroom Mgt.
Physics II & lab
Phy./Mol. lect. & lab
Diverse Learners

Senior Year
Fall
Env. lect. & lab
Curric.& Instr. Del.
Lang. & Literacy IV
General Studies

Spring
Internship Seminar
Internship

Secondary Education Majors
Available secondary education disciplines are as follows:
Biology
Chemistry
English/Language Arts
General Science
History
Mathematics
Social Science