

## Specialization - Science/Biology

- [Ph.D. in Education](#)
- [Emphasis - Secondary Education](#)
- [Specialization - Science/Biology](#)

### **Ph.D. in Education** **Minimum Total Credit Hours: 90** **Emphasis - Secondary Education** **Description**

The Ph.D. in education with emphasis in secondary education can be completed with specializations in English, mathematics, science, and social studies education. Candidates in the program address national board standards, conduct research and further their development of leadership skills. Graduates may assume positions as university faculty and leaders in other educational settings. Doctoral-level graduates generate and utilize research, apply research and theory in curriculum development, and communicate ideas through writing and speaking with other professionals in the field.

#### **Goals/Mission Statement**

The philosophy of the Department of Curriculum and Instruction, as it applies to the preparation of teachers, is reflected by the belief that teachers should be prepared to - Develop and engage in appropriate teaching strategies by studying, interacting, practicing, and reflecting; - Collaborate in identifying and meeting the broad range of goals for which schools are responsible in today's society; - Show by modeling and encouraging students the dispositions of leading, thinking, problem solving, and lifelong learning; - Respect and serve culturally diverse populations and communities; and - Assume responsibility for the quality and effectiveness of their professional lives.

#### **Course Requirements**

The Ph.D. with an emphasis in secondary education requires 99 semester hours beyond the bachelor's degree, including 18 dissertation hours. The 99 hours include 18 hours of professional core courses, 33 hours of specialization to include 24 hours in a content field, and 18 hours of courses in a related field. The professional core includes Edrs 501- Educational Statistics I, Edrs 701-Educational Statistics II, Edrs 605- Educational Research I, Edrs 704- Foundations of Qualitative Research Methods, Edrs 705-Educational Research II, and Edfd 609-The Cultural Context of Education. All electives should be approved by the candidate's adviser.

#### **Other Academic Requirements**

Doctoral candidates must complete a written comprehensive exam, present a professional portfolio and a complete dissertation, in addition to completing 75 hours of approved field experiences.

## **Specialization - Science/Biology**

