# B.A. in Biology, Teaching General Science Broadfield Track

## Teacher Preparation in General Science
### 2016/2017 Catalog

## Required Major/Content Courses (C- or Better)

### Biology—All Required
- BIOB 160N/161N—Principles of Living Systems/Lab (4) - autumn, summer
- BIOB 170N/171N—Principles of Biological Diversity/Lab (5) - spring, summer
- BIOB 260—Cell and Molecular Biology (4) - autumn, summer
- BIOB 272—Genetics and Evolution (4) - spring
- BIOE 370/371—General Ecology/Lab (5) - autumn

*Choose a BIO advanced college writing course (BIOO 433/434 is recommended; see DBS Advising Office for list)*

### Chemistry—All Required
- CHMY 141N—College Chemistry I (5) - autumn, spring
- CHMY 143N—College Chemistry II (5) - spring, summer
- CHMY 123—Intro to Organic & Biochemistry (3) - autumn, spring, summer
- CHMY 485—Laboratory Safety (1) - autumn

### Physics—All Required
- PHSX 205N/206N—College Physics I/Lab (5) - autumn, spring, summer
- PHSX 207N/208N—College Physics II/Lab (5) - autumn, spring, summer

### Earth Sciences—All Required
- ASTR 131N/134N—Elementary Astronomy/Lab (4) - autumn
- GEO 101N/102N—Intro to Physical Geology/Lab (4) - autumn, spring

### Earth Sciences—Choose at Least One of the Following Geoscience Courses
- GEO 105N—Oceanography (3) - spring
- GEO 108N—Climate Change (3) - autumn

## Other Required Content Courses (C- or Better)

### Related Fields—All Required
- M 162—Applied Calculus (4) - autumn, spring
- STAT 216—Intro to Statistics (4) - autumn, spring, summer
- EDU 497—Methods: 5-12 Science (3) - autumn

### Secondary Certification Requirements (C- or Better)

To be certified to teach secondary general sciences, students must be admitted to the College of Education, and meet all state certification requirements for the broadfield science endorsement. A grade of C- or better must be earned in all content courses (listed above), as well as certification courses (listed below). GPA must be 2.75 overall, in certification courses, and in content courses.

## Requirements for Endorsement
- WRIT 101—College Writing I (3) - autumn, spring, summer
- NASX course (3) - autumn, spring, summer
- HEE 233—Health Issues Child/Adolescent (3) - autumn, spring, summer
- ECP 120/121—Emergency Med. Respond/Lab (3) - autumn, spring, summer
- **BLOCK 1**: EDU 202—Early Field Experience (1) - autumn, spring
- EDU 221—Educational Psych & Measure (3) - autumn, spring, summer
- EDU 345—Except. & Class. Management (3) - autumn
- EDU 370—Integrating Tech. into Education (3) - autumn, spring, summer
- **BLOCK 2**: EDU 407E—Ethics/Policy Issues (3) - autumn, spring, summer
- EDU 481—Content Area Literacy (3) - autumn, spring
- EDU 395—Clinical Experience (Must be taken with EDU 497) (1) - autumn
- EDU 497—Methods: 5-12 Science (3) - autumn
- **STUDENT TEACHING**: EDU 494/495 (15) - autumn, spring

*Advanced College Writing Requirement met with BIOE 371 (required) and one more approved BIO advanced writing course.*