

## SCIENCE EDUCATION: Biology (S4100)

### Prerequisites

#### *Education Prerequisites-12 credits (3 credits each):*

- EDF1005- Introduction to the Teaching Profession\*
- EDF2085- Introduction to Diversity\*
- EME2040- Introduction to Educational Technology
- EEX2000- Introduction to Special Education

#### *Florida Department of Education Prerequisites:*

- Communications- 6 credits
- Oral Communications- 3 credits
- Humanities- 6 credits
- Behavioral/Social Sciences- 6 credits
  - DEP2000 recommended
- Mathematics- 6 credits
- Natural Sciences & Electives- 23 credits
  - BSC 2010- Principles of Biology 1-3 credits
  - BSC2010L- Lab- 2 credits
  - BSC2011- Principles of Biology 2- 3credits
  - BSC2011L- Lab- 2 credits
  - CHM1045- General Chemistry 1- 3 credits
  - CHM1045L- Lab- 2 credits
  - CHM1046-General Chemistry 2- 3 credits
  - CHM1046L- Lab- 2 credits
  - PSC1515- Energy in the Environment- 3 credits
- 9 credits of diversity
- Foreign Language requirement
- Completion of CGS1060 or an equivalent computer competency
- Fingerprinting requirement (Level II clearance)

### Admission to the Baccalaureate Program

- 60 credits
- Minimum GPA of 2.5 on a 4.0 scale
- Passing/ exemption on all parts of the CLAST and passing all parts of the General Knowledge Test of the Florida Teacher Certification Examination
- All Education Prerequisites passed with a minimum grade of "C"

**THIS PROGRAM WILL BE OFFERED WHEN THERE ARE ENOUGH STUDENTS TO CREATE A COHORT.**

### Professional Education Core- 18 credits (3 credits each)

- EDF4430- Measurement and Assessment in Education
- EDG3321- General Teaching Skills
- EDG3411- Classroom Management for Regular and Exceptional Students\*
- EEX3071- Teaching Exceptional and Diverse Students in Inclusive Settings\*
- RED3013- Foundations of Reading Instruction\*
- TSL4324C- ESOL Strategies for Content Area Teachers\*

### Science Education Discipline Content- 11 credits

- EME3410- Instructional Technology in Math & Science- 2 credits
- SCE3863- Teaching and Learning the Nature of Science\*- 3 credits
- SCE4362- Methods of Teaching Science\* - 3 credits
- SCE4363- Advanced Topics in Science Education Practicum\*\* - 3 credits

### Discipline Content- 23 credits

- BCH3023- Introduction to Biochemistry- 3 credits
- BCH3023L- Lab- 2 credits
- BSC2020- Human Biology- 3 credits
- CHM2200- Survey of Organic Chemistry- 3 credits
- CHM2200L- Lab- 1 credit
- MCB2010- Microbiology- 3 credits
- MCB2010L- Lab- 2 credits
- PCB3043- Foundations of Ecology- 3 credits
- PCB3060- Principles of Genetics- 3 credits

### Student Teaching/Internship- 12 credits

- SCE4945- Internship in Science Education\*\*\*
- SCE4943- Seminar in Science Education\*\*\*
  - Prior to Internship the following must be completed:
    - All parts of the Florida Teacher Certification Examination (General Knowledge Test, Professional Test, and Subject Area Test) must be passed
    - Florida Educator Accomplished Practices portfolio must be approved
    - All previous coursework completed with a minimum grade of "C"

\* Course requires 15 hours of field experience

\*\* Course requires 40 hours of field experience

\*\*\*Course requires full-time field experience