

SCIENCE EDUCATION: Chemistry (S4100)

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- 3 credits 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
- CHM3610- Advanced Inorganic Chemistry- 3 credits
- ISC4535- Research in the Sciences- 3 credits
- PHY1025- Basic Physics-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

Prerequisites

Education Prerequisites:

- 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- 3 credits
 - 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.