SCIENCE EDUCATION

COLLEGE: EDUCATION
SCHOOL: NONE
DEGREE: BACHELOR OF ARTS OR BACHELOR OF SCIENCE
OPTION/TRACK: BIOLOGY, CHEMISTRY, PHYSICS

LIMITED ACCESS PROGRAM: YES—THIS PROGRAM HAS ADDITIONAL ADMISSION REQUIREMENTS AS STATED BELOW.

CAMPUS(ES) WHERE OFFERED/CONTACT:
TAMPA only / Program Director, Undergraduate Advising, Education, (813) 974-2458

• Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF
(State Mandated Common Prerequisites)

Complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. A minimum of 60 semester hours must be completed at the university unless prior approval is secured.

If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, they must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

Students must complete the prerequisite courses listed below prior to be admitted to the upper-division major. Students who do not complete these prerequisites can be admitted to the University, but not to the upper-division major. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

EDF X005 Introduction to Education
EDG 2701 Teaching Diverse Populations
EME 2040 Introduction to Educational Technology
(Equivalent course or demonstrated competency may be substituted)

For Biology Teacher Education -
Biology with Lab 8
Chemistry with Lab or Physics with Lab 8
Electives in Science 6

For Chemistry Teacher Education -
Chemistry with Lab 8
Biology with Lab or Physics with Lab 8
Electives in Science 6

For Physics Teacher Education-
Physics with Lab 8
Biology with Lab or Chemistry with Lab 8
Electives in Science 6

In addition to EDG 2701, Lower division courses must include 6 credit hours with an international or diversity focus.

• Admission Requirements to the University Program of Study

Please be aware of the immunization, foreign language, and continuous enrollment policies of the university, and qualitative standards required.

Admission will require an overall GPA of 2.5 with a minimum score of 960 on the SAT (840 if taken before April 1, 1995) or 20 on the ACT. However, an overall 2.25 GPA will be acceptable with a minimum score of 1030 on the SAT (940 if taken before April 1, 1995) or 22 on the ACT. Official grade forgiveness will be used as appropriate. Students must have passed all sections of CLAST.

Professional education courses taken at the community college will transfer as general electives.

• Requirements for the B.S. Degree

Course Requirements:
Science Specialization-Biology:
BSC 2010 Biology I w/Lab (4)
BSC 2011 Biology II w/Lab (4)
CHM 2045 General Chemistry I w/Lab (4)
PHY 2053 General Physics I w/Lab (4)

One of the following:
BSC 2093 Human Anatomy and Physiology (3)
BSC 4057 Environmental Issues (Exit) (3)
CHM 2046 General Chemistry II w/Lab or
PHY 2054 General Physics II w/Lab (4)
PCB 3063 General Genetics (3)
PCB 3023C Cell Biology (4)
PCB 3043C Principles of Ecology (3)
PCB 3043L Principles of Ecology Lab (1)
PCB 4674 Organic Evolution (3)
MCB 3030C Introduction to Microbiology (4)
MAC 2281 Calculus I (3)

Science Specialization-Chemistry:
BSC 2010 Biology I w/Lab (4)
CHM 2045 General Chemistry I w/Lab (4)
CHM 2046 General Chemistry II w/Lab (4)
PHY 2053 General Physics I w/Lab (4)
PHY 2054 General Physics II w/Lab or
BSC 2011 Biology II w/Lab (4)
CHM 2210 Organic Chemistry I (3)
CHM 2210L Organic Chemistry I Lab (1)
CHM 3120C Elementary Analytical Chemistry (4)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CHM 3400</td>
<td>Elementary Physical Chemistry I</td>
<td>(3)</td>
</tr>
<tr>
<td>CHM 3610C</td>
<td>Intermediate Inorganic Chemistry</td>
<td>(4)</td>
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<tr>
<td>CHM 4070</td>
<td>Historical Perspectives in Chemistry (Exit)</td>
<td>(3)</td>
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<tr>
<td>BCH 3023</td>
<td>Biochemistry</td>
<td>(3)</td>
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<tr>
<td>MAC 2281</td>
<td>Calculus I</td>
<td>(3)</td>
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**Science Specialization-Physics:**

- BSC 2011  Biology I w/ Lab (4)
- CHM 2045  General Chemistry I w/ Lab (4)
- CHM 2046  General Chemistry II w/ Lab (4)
- BSC 2011  Biology II w/ Lab (4)
- PHY 2048  General Physics I w/ Lab and (4)
- PHY 2049  General Physics II w/ Lab (4)

**Science Education:**

- SCE 4237  Science, Technology, Society (Exit) (4)
- SCE 4305  Communication Skills in Science (2)
- SCE 4320  Teaching Middle Grade Science (3)
- SCE 4330  Teaching Methods in Secondary School Science (3)

**Professional Education Core (31-32 credit hours):**

- EDF 3214  Human Development and Learning (3)
- EDF 3604  Social Foundations of Education (Exit) (3)
- EDG 4620  Curriculum and Instruction (3)
- EDF 4430  Measurement for Teachers (3)
- EEX 4070  Integrating Exceptional Students in the Regular Classroom (2)
- EDG 4909  Teaching LEP Students K-12 (3)
- SSE 4940  Internship: Science Education (10)
- SSE 4936  Senior Seminar in Science Education (1-2)
- FLE 4315  Teaching LEP Students K-12 (3)

Please be advised that the information above is subject to change. Please contact an academic advisor in the College of Education at the University of South Florida for the most current information.