



**GUARANTEED ADMISSION TO USF**

**COLLEGE OF EDUCATION**

**BACHELOR OF SCIENCE: SCIENCE EDUCATION  
CONCENTRATION: CHEMISTRY EDUCATION**



Graduation Pathway Starting at



**COLLEGE of  
CENTRAL  
FLORIDA**

Students completing the following courses and requirements in combination with an AA from College of Central Florida will have automatically satisfied requirements to begin upper level coursework.

## COLLEGE – EDUCATION

### Intended Program of Study- B.S. Science Education; Concentration: Chemistry (Grades 6-12)

- Restrictive Program-**Yes** (2.5 GPA, Prerequisite completion, Passing scores on General Knowledge Test)
- College Application Required- **Yes** (<http://www.usf.edu/education/advising/undergraduate/coedu-applications.aspx>)
  - Please note that any college requiring an application will need it to be submitted following admission to the University.
- Tests Required- **General Knowledge Test** (<http://www.fl.nesinc.com/>)
- (College) Foreign Language Exit Required- **No**, yet beginning with students initially entering a Florida College System institution or state university in 2014-2015 and thereafter, coursework for an associate in arts degree shall include demonstration of competency in a foreign language.

## PREREQUISITE COURSES

(Common State Prerequisites) (C or Higher in all courses)

### USF Courses

EDF 2005\*  
 MAC 2311  
 CHM 2045/L and CHM 2046/L  
 and  
 PHY 2048/L and PHY2049/L or  
 BSC 2010/L and BSC 2011/L

### CF Course Equivalent

EDF 2005\*  
 MAC 2311  
 CHM 2045C/L and CHM 2046C/L  
 and  
 PHY 2048C/L and PHY 2049C/L or  
 BSC 2010C/L and BSC 2011C/L

## STRONGLY RECOMMENDED COURSES (C or Higher)

### USF Courses

EDF 2085 \*  
 EME 2040

### CF Course Equivalent

EDF 2085\*  
 EME 2040

\*Courses include field work (15 hours of observation)

## Start College of Central Florida

The following course sequence is a guideline for completion of requirements of the A.A. and prerequisite courses. A unique plan developed in consultation with an advisor at both CF and USF may differ depending on student circumstances.

### YEAR 1 CF

#### FALL

ENC 1101	3
CHM 1025/L	4
MAC 1105	3

**TOTAL: 10**

#### SPRING

HUM 1020	3
CHM 2045/L	4
MAC 1140	3
ENC 1102	3

**TOTAL: 13**

#### SUMMER

EDF 2005	3
REL 2300	3
SPC 2608	3
EDF 2085	3

**TOTAL: 12**

General Knowledge Test should be taken around holiday break/early spring. Test scores take from 6-8 weeks to return.

### YEAR 2 CF

#### FALL

BSC 2010/L	4
SLS 1501	3
CHM 2046/L	4
MAC 1114	3

**TOTAL: 14**

#### SPRING

One Social Science (Gen Ed.)	3
MAC 2311	5
EME 2040	3
BSC 2011/L	4

**TOTAL: 15**

\*Graduate with A.A. from CF\*

\*\*\*YEAR 2 Fall/Spring\*\*\*

USF application should be submitted by early spring of year 2 (or spring of year leading into intended transfer) to ensure timely review. Once student is admitted as a Bull, College application may be submitted.

## USF START

### YEAR 3 FALL USE

SCE 4945 Practicum in Secondary Science Education	3
SCE 4320 Teaching Methods in Middle Grade Science I	3
CHM 2210/L Organic Chemistry with Laboratory	5
ESE 4322 Classroom Mgmt. for Diverse School & Society	3

**TOTAL: 14**

### YEAR 3 SPRING USE

SCE 4330 Methods of Secondary Science Education	3
CHM 3610 Intermediate Inorganic Chemistry	3
CHM 3610L Intermediate Inorganic Chemistry Laboratory	1
EDF 4430 Measurement for Teachers	3
SCE 4305 Communication Skills in the Science Classroom	3
<i>Apply for final internship at the end of spring.</i>	

**TOTAL: 13**

### YEAR 3 SUMMER USE

EDF 3214 Human Development and Learning	3
General Elective	1
EEX 4070 Integrating Exceptional Students in the Regular Classroom	3

**TOTAL: 7**

### YEAR 4 FALL USE

CHM 3120C Elementary Analytical Chemistry	4
TSL 4324 ESOL Competencies and Strategies	3
EDF 3604 Schools and Society	3
SCE 4863 Science, Technology, Society Interaction	3
CHM 4070 Historical Perspectives in Chemistry	3
<i>Recommended to take FTCE Subject Area and Professional Education Exams Fall of final year</i>	

**TOTAL: 16**

### YEAR 4 SPRING USE

SCE 4940 Internship: Science Education	9
SCE 4936 Senior Seminar in Science Education	3

**TOTAL: 12**

### The following is additional information for the Chemistry Science Education major:

- The College of Education has a SEPARATE APPLICATION PROCESS from that of the University of South Florida. Please allow enough time to apply and received acceptance to USF before applying to the College.
- The Chemistry Science Education program admits all three terms (fall, spring, summer).
- All applicants to the COEDU (except Exercise Science) must take and pass all sections of the General Knowledge Test, including Math, Reading, Language, and Essay.
- All applicants must have a cumulative GPA of 2.5
- EDF 1005 must have been passed with a C- or better. As long as all pre-requisite courses are complete or IN-PROGRESS the student may apply.
- Florida Teacher Certification Exams (Professional Education and Subject Area Exams) are required for graduation, as the degree is tied to earning a Florida Teaching Certificate. Students are encouraged to take these in fall of the last year to ensure enough time to retest if necessary. Certification will be reflected on the official transcripts.
- The Chemistry Science Education program is a joint program between the College of Education and the College of Arts and Sciences. It prepares students to engage in coursework informed by empirical research embedded in established and emerging theoretical traditions, philosophy, and best practices related to pedagogical content knowledge. Coursework will highlight the importance of science in living, working, leisure, global competitiveness, and resolution of personal and societal problems.

Students interested in Chemistry Science Education may email [edu-sasast@usf.edu](mailto:edu-sasast@usf.edu)

For general transfer advising inquiries please contact [transfer-advising@usf.edu](mailto:transfer-advising@usf.edu)

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