

**BIOLOGY EDUCATION (6 – 12)**

<b>First Semester Freshman Year</b>	<b>Credit</b>	<b>Field Exp. Hrs</b>	<b>Grade</b>	<b>Semester</b>	<b>Year</b>	<b>Notes</b>
ENC 1101 Freshman Communication Skills I	3					
EDG 1072 College Success & Beyond	3					
MAC 2311* Calculus I	4					
BSC 1010 General Biology I with lab	4					
<b>Total Semester Hours :</b>	<b>14</b>					<b>Advisement with the CAS</b>
<b>Second Semester Freshman Year</b>	<b>Credit</b>	<b>Field Exp. Hrs</b>	<b>Grade</b>	<b>Semester</b>	<b>Year</b>	<b>Notes</b>
ENC 1102 Freshman Communication Skills II	3					
BSC 1011 General Biology II with lab (pre-req: BSC 1010 with lab)	4					
EDF 1005 Introduction to the Teaching Profession w/Field Exp.	3	15				
MAC 2312 Calculus II	4					
Approved Humanities elective (from short list)	3					
<b>Total Semester Hours:</b>	<b>17</b>	<b>15</b>				<b>Take the FTCE GK Advisement with the CAS</b>
<b>Summer Semester Freshman Year</b>	<b>Credit</b>	<b>Field Exp. Hrs</b>	<b>Grade</b>	<b>Semester</b>	<b>Year</b>	<b>Notes</b>
CHM 1045** General Chemistry with Lab	4					
POS 2041 or approved Social Science elective	3					
GLY 2001 Introduction to Earth & Space Sciences	3					
<b>Total Semester Hours:</b>	<b>10</b>					<b>Advisement with the CAS</b>
<b>First Semester Sophomore Year</b>	<b>Credit</b>	<b>Field Exp. Hrs</b>	<b>Grade</b>	<b>Semester</b>	<b>Year</b>	<b>Notes</b>
PCB 3063C Principles of Genetics (pre-req: BSC 1011 with lab)	4					
POS 2112 or approved Social Science elective	3					
EME 2040 Introduction to Technology for Educators	3					
AMH 2091 Introduction to African American History	3					
Approved Humanities elective	3					
<b>Total Semester Hours:</b>	<b>16</b>					<b>Apply for admission to the COE Advisement with the CAS</b>
<b>Second Semester Sophomore Year</b>	<b>Credit</b>	<b>Field Exp. Hrs</b>	<b>Grade</b>	<b>Semester</b>	<b>Year</b>	<b>Notes</b>
PCB 3723 Vertebrate Physiology with lab	4					
ZOO 4513 Animal Behavior	3					
EDF 2085 Introduction to Diversity for Educators w/Field Experiences	3	15				
EDF 3135 The Adolescent Learner	3					
<b>Total Semester Hours:</b>	<b>13</b>	<b>15</b>				<b>Advisement with the CAS</b>

\* If you do not make at least 76 on the ALEKS, you will start in a lower math course and will have to take additional coursework in subsequent semesters to graduate in 4 years.

\*\*You need to have scored a 26 or better on ACT Math or a 600 or better on SAT Math or a 76 on the ALEKS in order to enroll in this course. If you haven't earned these scores, you will need to start in a lower Chemistry course and will have to take additional coursework in subsequent semesters to graduate in 4 years.

**BIOLOGY EDUCATION (6 – 12)**

<b>First Semester Junior Year</b>	<b>Credit</b>	<b>Field Exp. Hrs</b>	<b>Grade</b>	<b>Semester</b>	<b>Year</b>	<b>Notes</b>
TSL 4081 Instructional Survey for Teaching ESOL (Fall only)	3	21				
BOT 3303C Plant Morphology (pre-req: BSC 1011) <b>OR</b> BOT 2313C Plant Anatomy and Development with lab (pre-reqs: BSC 1010 and BSC 1011)	3					
RED 3333 Teaching Reading in the Content Areas	3					
ESE 3341 Theory & Practice of Secondary Schools (Fall only)	3	15				
<b>Total Semester Hours:</b>	<b>12</b>	<b>36</b>				<b>Pass Professional Exam of FTCE Advisement with the CAS</b>
<b>Second Semester Junior Year</b>	<b>Credit</b>	<b>Field Exp. Hrs</b>	<b>Grade</b>	<b>Semester</b>	<b>Year</b>	<b>Notes</b>
MCB 3005C Microbiology (non-majors) with lab (pre-reqs: Biology and Chemistry)	4					
EDF 3430 Measurement and Evaluation of Educational Growth	3					
MAE 4360 Methods of Teaching Middle & Secondary Mathematics	4	20				
SCE 3330 The Teaching of Science in the High School	3	15				
<b>Total Semester Hours:</b>	<b>14</b>	<b>35</b>				<b>Pass Subject Area of FTCE Advisement with the CAS</b>
<b>First Semester Senior Year</b>						
ETE 2210C Introduction to STEM Education	3					
BCH 4033 Biochemistry	3					
ESE 4930 Instructional Seminar in Secondary Education	3					
MAP 2302 Differential Equations	3					
<b>Total Semester Hours</b>	<b>12</b>					<b>Apply to Student Teach Advisement with the CAS</b>
<b>Senior Year Spring Semester</b>						
ESE 4943 Student Teaching in Secondary School (pre-req: successful completion of all other coursework)	12	280				
<b>Total Semester Hours</b>	<b>12</b>					<b>Apply for Graduation Meet with Chair</b>
<b>Total Hours for Degree Completion</b>	<b>120</b>					