

**PHYSICS 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					
PHY 2048 General Physics I with lab (co-req: MAC 3311)	5					
<b>Total Semester Hours :</b>	<b>15</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					
PHY 2049 General Physics II with lab (pre-req: PHY 2048)	5					
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>18</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>
EME 2040 Introduction to Technology for Educators	3					
POS 2041 or approved Social Science elective	3					
GLY 2001 Introduction to Earth & Space Sciences	3					
<b>Total Semester Hours:</b>	<b>9</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>
CHM 1045** General Chemistry with Lab	4					
PHZ 3113 Mathematical Methods for Physics I (pre-req: MAC 2313)	3					
POS 2112 or approved Social Science elective	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>
PHZ 3114 Mathematical Methods of Physics II (pre-req: PHZ 3113)	3					
CHM 1046 General Chemistry II with lab (pre-req: passing grade in CHM 1045)	4					
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.

PHYSICS 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				
PHY 3101 Modern Physic Lecture with lab	4					
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>13</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>
PHY 4221 Mechanics I	3					
EDF 3430 Measurement and Evaluation of Educational Growth	3					
MAS 3105 Linear Algebra (pre-req: MAC 2313)	3					
SCE 3330 The Teaching of Science in the High School	3	15				
<b>Total Semester Hours:</b>	<b>12</b>	<b>15</b>				<b>Pass Subject Area of FTCE Advisement with the CAS</b>
<b>First Semester Senior Year</b>						
PHY 4222 Mechanics II	3					
ETE 2210C Introduction to STEM Education	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>					