

# PHYSICS EDUCATION (B.S.ED.)

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
BIO 111 & BIOL 111	GENERAL BIOLOGY and GENERAL BIOLOGY LAB	4
ENG 104 or ENG 103 or ENG 111	COMPOSITION I or English Composition I with Co-requisite Support or COMPOSITION & LITERATURE FOR L	3
MATH 241	CALCULUS I WITH LABORATORY	3
PHY 198	PHYSICS STUDENT SEMINAR	0.5
UNIV 100	UNIVERSITY SUCCESS	2
Humanities & Fine Arts Option		3
<b>Hours</b>		<b>15.5</b>
<b>Spring</b>		
ENG 105 or ENG 112	COMPOSITION II or COMPOSITION	3
MATH 242	CALCULUS II WITH LABORATORY	3
PHY 199	PHYSICS STUDENT SEMINAR	0.5
PHY 211 & PHYL 211	General Physics I and GENERAL PHYSICS LAB I	4
Humanities & Fine Arts Option		3
Pathway Option		3
<b>Hours</b>		<b>16.5</b>
<b>Sophomore</b>		
<b>Fall</b>		
CHEM 141 & CHML 141	GENERAL CHEMISTRY I and GENERAL CHEMISTRY LAB	4
EDCI 100	INTRODUCTION TO EDUCATION	3
PHY 212 & PHYL 212	General Physics II and GENERAL PHYSICS LAB II	4
PHY 298	PHYSICS STUDENT SEMINAR	0.5
SS 203	HISTORICAL&CULTURAL FOUNDATNS	3
Pathway Option		3
<b>Hours</b>		<b>17.5</b>
<b>Spring</b>		
CHEM 142 & CHML 142	GENERAL CHEMISTRY II and GENERAL CHEMISTRY II LAB	4
ETEC 336 or CSC 118	ADV MULTIMEDIA IN CLASSROOM or COMPUTER SCIENCE I	3
PHY 299	PHYSICS STUDENT SEMINAR	0.5
SPED 311	EXCEP CHILD & YOUTH IN THE SCHO	3
UNIV 200	CIVIC ENGAGEMENT	1
Humanities & Fine Arts Option		3
Pathway Option		3
<b>Hours</b>		<b>17.5</b>
<b>Junior</b>		
<b>Fall</b>		
EDCI 301	CLASSROOM MANAGEMENT AND EFFECTIVE LEARNING ENVIRONMENTS	3
ETEC 367	INTRO TO ASSMNT MSRMT & EVALTN	3
PHY 311	THEORETICAL MECHANICS I	3
PHY 351	THERMAL PHYSICS	3
PHY 398	PHYSICS STUDENT SEMINAR	0.5
Social & Behavioral Science Option		3
<b>Hours</b>		<b>15.5</b>
<b>Spring</b>		
PHY 330	METHODS OF EXPERIMENTAL PHYSICS	3
PHY 380	INDEPENDENT STUDY	1

PHY 399	PHYSICS STUDENT SEMINAR	0.5
RE 310	TCHNG READING IN CONTENT AREAS	3
SS 301	INQRY-BASED INSTRN N GEOG & CE	3
Physics Elective		3
<b>Hours</b>		<b>13.5</b>
<b>Senior</b>		
<b>Fall</b>		
COUN 315	Human Growth and Development	3
EDCI 401	Unit Planning, Assessment, and Classroom Management	3
PHY 361	MATH MET OF PHYSICS & CHEMISTRY	3
PHY 498	PHYSICS STUDENT SEMINAR	0.5
Physics Elective		3
<b>Hours</b>		<b>12.5</b>
<b>Spring</b>		
EDCI 402	CLINICAL INTERNSHIP IN STD TCH	12
PHY 499	PHYSICS STUDENT SEMINAR	0.5
<b>Hours</b>		<b>12.5</b>
<b>Total Hours</b>		<b>121</b>

## Notes:

- Candidates that transfer 12 or more hours of college credit are exempt from UNIV 100 UNIVERSITY SUCCESS; however, the student must take 2 hours of general electives to replace the UNIV course.
- Online Graduation Clearance (**to be completed during the graduating semester only**).

Code	Title	Hours
<i>Physics Elective Options</i>		
Students must chose six (6) hours of Physics Electives from the course list below.		
Any ITEM, ITHM, and MATH course above 244		3
ITEM 301	PRINCIPLES OF EMERGENCY MNGT	3
ITEM 303	COMMUNITY EMERGNCY RESPN TEAM	3
ITEM 401	APP OF EMRGNCY MNGT CMPTR TEC	3
ITHM 300	PRIN OF HAZARDOUS MATERLS MNGT	3
ITHM 402	INDUSTRIAL HYGIENE	3
ITMA 410	1ST LINE SUPRVSN & FRMAN	3
CSC 118	COMPUTER SCIENCE I	3
CSC 119	COMPUTER SCIENCE II	3
CSC 215	DATA ANALYTICS	3
CSC 228	DATA STRUCTURES & ALGORITHMS	3
CSC 235	SECURITY AWARENESS	3
CSC 245	INTRODUCTION TO BIOINFORMATICS	3
CSC 330	DATABASE SYSTEMS	3