

**SAMPLE CAREER DEGREE MAP****Physics 7-12 BS****2024-Present | Total Credits Required: 120****Year One - First Semester Academic Program →**

Course Number & Title	Min. Grade	Cr.
ENG 111 ENGLISH COMPOSITION		3
MTH 231 ANALYTIC GEOMETRY & CALC. I	C	3
MTH 229 CALCULUS COMPUTER LAB		1
CHM 141 GENERAL CHEMISTRY I		3
CHM 121 GENERAL CHEMISTRY I LAB		1
US EXPERIENCE IN ITS DIVERSITY		3
WORLD CULTURES & GLOBAL ISSUES		3
<b>Total Credits:</b>		<b>17</b>

**← Year One - First Semester Career Readiness**

Recommended Career Milestones	Done
Log in to Handshake Account with Career Services	
Create a Draft Resume or Start Building a Basic Resume	
Join a Physics-Related Student Club	

**Year One - Second Semester Academic Program →**

Course Number & Title	Min. Grade	Cr.
ENG 151 INTRO TO COLLEGE WRITING		3
MTH 232 CALCULUS II	C	3
PHY 120 GENERAL PHYSICS I		3
PHY 121 GENERAL PHYSICS I LAB		1
CHM 142 GENERAL CHEM II		3
CHM 127 GENERAL CHEM II LAB		1
<b>Total Credits:</b>		<b>14</b>

**← Year One - Second Semester Career Readiness**

Recommended Career Milestones	Done
Create a LinkedIn Account	
Explore Career Options for Physics Majors	
Attend Career Center for Professional Development Events and Internship Fairs	
Create a Draft Cover Letter	

**Year Two - First Semester Academic Program →**

Course Number & Title	Min. Grade	Cr.
CREATIVE EXPRESSION		3
PSY 100 PSYCHOLOGY		3
CSC 126 OR CSC 270		4
MTH 233 CALCULUS III		3
PHY 160 GENERAL PHYSICS II		3
PHY 161 GENERAL PHYSICS II LAB		1
<b>Total Credits:</b>		<b>17</b>

**← Year Two - First Semester Career Readiness**

Recommended Career Milestones	Done
Develop a Network of Contacts Through LinkedIn	
Update Your Resume	
Find a Mentor You Can Check in With Periodically	
Start Your Internship Search	
Look for Summer Research Opportunities	

**Year Two - Second Semester Academic Program →**

Course Number & Title	Min. Grade	Cr.
EDS 201 SOCIAL FOUNDATIONS OF SECONDARY EDUCATION		4
MTH 311 PROB. THEORY & INTRO STATS		4
PHY 240 WAVES AND MODERN PHYSICS		3
ELECTIVE		1
<b>Total Credits:</b>		<b>12</b>

**← Year Two - Second Semester Career Readiness**

Recommended Career Milestones	Done
Join a Student Professional Organization	
Use LinkedIn to Start Marketing Yourself and Building Professional Relationships	
Attend Basic Interview Workshops	
Identify Skills That You Need to Build Outside of the Classroom	

**SAMPLE CAREER DEGREE MAP****Physics 7-12 BS****2024-Present | Total Credits Required: 120****Year Three - First Semester Academic Program →**

Course Number & Title	Min. Grade	Cr.
EDS 202 PSYCHOLOGICAL FOUNDATIONS OF SECONDARY EDUCATION		4
MTH 330 APPLIED MATH. ANALYSIS I		4
PHY 310 THERMODYNAMICS + STAT. PHYS.		4
PHY 356 THEORY ELECTROMAGNETIC RAD.		4
<b>Total Credits:</b>		<b>16</b>

**← Year Three - First Semester Career Readiness**

Recommended Career Milestones	Done
Refine Your Resume	
Continue to Apply for Internships	
Research Graduate School or Other Post-Graduate Opportunities	
Practice Advanced Interview Techniques	

**Year Three - Second Semester Academic Program →**

Course Number & Title	Min. Grade	Cr.
PHY 316 DYNAMICS (SEE DEPT. FOR PERMISSION TO ENROLL)		4
PHY 381 HISTORY OF MODERN PHYSICS		4
EDP 220 SPECIAL EDUCATIONAL NEEDS OF PEOPLE WITH DISABILITIES		3
EDS 318 THE SECONDARY SCHOOL CURRICULUM IN SCIENCE		4
<b>Total Credits:</b>		<b>15</b>

**← Year Three - Second Semester Career Readiness**

Recommended Career Milestones	Done
Take Leadership Roles in Clubs and Organizations	
Attend Career Center for Professional Development Events and Internship Fairs	
Explore Career Options and Tasks with Virtual Work Experiences	

**Year Four - First Semester Academic Program →**

Course Number & Title	Min. Grade	Cr.
BIO 170 GENERAL BIOLOGY I		3
BIO 171 GENERAL BIOLOGY I LAB		1
PHY 309 BASIC MEASUREMENTS LAB		2
PHY 425 ASTROPHYSICS		4
PHY 485 PROPERTIES OF MATERIALS		4
EDS 304 THE PEDAGOGY OF SECONDARY SCHOOL IN SCIENCE		4
<b>Total Credits:</b>		<b>18</b>

**← Year Four - First Semester Career Readiness**

Recommended Career Milestones	Done
Meet with a Career Advisor for Job Search Preparation	
Use LinkedIn to Let Contacts Know You Are Looking for Employment	
If Appropriate, Complete the Process of Applying to Graduate School	

**Year Four - Second Semester Academic Program →**

Course Number & Title	Min. Grade	Cr.
PHY 442 QUANTUM MECHANICS		4
EDS 400 STUDENT TEACHING IN SECONDARY EDUCATION		6
EDS 401 REFLECTION & ANALYSIS IN STUDENT TEACHING IN SECONDARY EDUCATION		2
<b>Total Credits:</b>		<b>12</b>

**← Year Four - Second Semester Career Readiness**

Recommended Career Milestones	Done
Actively Apply for Jobs	
Attend Networking Events and Career Fairs	
Final Interview Preparation	
Participate in Senior Showcase Events	