

**SAMPLE CAREER DEGREE MAP****Physics 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
Total Credits:		17

← 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
Total Credits:		14

← 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.
MTH 233 CALCULUS III		3
INDIVIDUAL & SOCIETY		3
PHY 160 GENERAL PHYSICS I		3
PHY 161 GENERAL PHYSICS I LAB		1
ELECTIVE		4
Total Credits:		14

← 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.
CSC 270 INTRO TO SCIENTIFIC COMPUTING	C	4
MTH 311 OR 331		4
CREATIVE EXPRESSION		3
PHY 240 WAVES & MODERN PHYSICS		3
ELECTIVE		1
Total Credits:		15

← 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 BS****2024-Present | Total Credits Required: 120**

Year Three - First Semester <i>Academic Program</i> →		
Course Number & Title	Min. Grade	Cr.
MTH 330 APPLIED MATH. ANALYSIS I		4
PHY 310 THERMODYNAMICS & STATISTICAL PHYSICS.		4
PHY 356 THEORY OF ELECTROMAG. RAD.		4
ELECTIVE		4
Total Credits:		16

← Year Three - First Semester <i>Career Readiness</i>	
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 <i>Academic Program</i> →		
Course Number & Title	Min. Grade	Cr.
SOCIAL SCIENCE OR TALA		4
MTH 311 OR 331		4
PHY 315 ADVANCED PHYSICS LAB		2
PHY 316 DYNAMICS		4
Total Credits:		14

← Year Three - Second Semester <i>Career Readiness</i>	
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 <i>Academic Program</i> →		
Course Number & Title	Min. Grade	Cr.
PHY 312 OR 313 OR 318 OR 350 OR 360 OR 365 OR 381 OR 384 OR 425 OR 450 OR 463		4
PHY 485 PROPERTIES OF MATERIALS		4
TECHNICAL ELECTIVE		4
ELECTIVE		3
Total Credits:		15

← Year Four - First Semester <i>Career Readiness</i>	
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 <i>Academic Program</i> →		
Course Number & Title	Min. Grade	Cr.
PHY 312 OR 313 OR 318 OR 350 OR 360 OR 365 OR 381 OR 384 OR 425 OR 450 OR 463		4
PHY 442 QUANTUM MECHANICS		4
TECHNICAL ELECTIVE		4
ELECTIVE		3
Total Credits:		15

← Year Four - Second Semester <i>Career Readiness</i>	
Recommended Career Milestones	Done
Actively Apply for Jobs	
Attend Networking Events and Career Fairs	
Final Interview Preparation	
Participate in Senior Showcase Events	