



SAMPLE CAREER DEGREE MAP
Chemistry 7-12 BS: Track Two
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
Total Credits:		14

← Year One - First Semester Career Readiness	
Recommended Career Milestones	Done
Log in to Handshake Account with Career Center	
Create a Draft Resume or Start Building a Basic Resume	
Join a Chemistry-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
WORLD CULTURES & GLOBAL ISSUES		3
PSY 100 PSYCHOLOGY		3
CHM 142 GENERAL CHEM II		3
CHM 127 GENERAL CHEM II LAB		1
Total Credits:		16

← Year One - Second Semester Career Readiness	
Recommended Career Milestones	Done
Create a LinkedIn Account	
Explore Career Options for Chemistry 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
CHM 250 ORGANIC CHEMISTRY I		5
MTH 233 CALCULUS III		3
PHY 120 GENERAL PHYSICS I		3
PHY 121 GENERAL PHYSICS I LAB		1
Total Credits:		15

← 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.
CHM 240 ANALYTICAL CHEMISTRY		4
CHM 256 ORGANIC CHEMISTRY II		5
EDS 201 SOCIAL FOUNDATIONS OF SECONDARY EDUCATION		4
PHY 160 GENERAL PHYSICS II		3
PHY 161 GENERAL PHYSICS II LAB		1
Total Credits:		17

← 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	



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Year Three - First Semester <i>Academic Program</i> →		
Course Number & Title	Min. Grade	Cr.
EDS 202 PSYCHOLOGICAL FOUNDATIONS OF SECONDARY EDUCATION		4
CHM 330 PHYSICAL CHEM.: EQUILIBRIA		4
CHM 337 EXPER. METHODS IN PHYS. CHEM.		4
ELECTIVE		1
Total Credits:		12

← 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.
CHM 336 PHYSICAL CHEM.: PROCESSES		4
CHM 360 INORGANIC CHEMISTRY		5
EDP 220 SPECIAL EDUCATIONAL NEEDS OF PEOPLE WITH DISABILITIES		3
EDS 318 THE SECONDARY SCHOOL CURRICULUM IN SCIENCE		4
Total Credits:		16

← 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.
CHM 230 OR 340 OR 350 OR 375 OR 376 OR 452 OR 594 OR BIO/CHM 370		4
CHM 230 OR 340 OR 350 OR 375 OR 376 OR 452 OR 594 OR BIO/CHM 370		4
EDS 304 THE PEDAGOGY OF SECONDARY SCHOOL IN SCIENCE		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.
CHM 230 OR 340 OR 350 OR 375 OR 376 OR 452 OR 594 OR BIO/CHM 370		4
EDS 400 STUDENT TEACHING IN SECONDARY EDUCATION		6
EDS 401 REFLECTION & ANALYSIS IN STUDENT TEACHING IN SECONDARY ED		2
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	