

**SAMPLE CAREER DEGREE MAP****Chemistry BA****2024-Present | Total Credits Required: 120**

Year One - First Semester Academic Program →		
Course Number & Title	Min. Grade	Cr.
ENG 111 ENGLISH COMPOSITION		3
MTH 123 COLLEGE ALGEBRA & TRIG.		4
CHM 141 GENERAL CHEMISTRY I		3
CHM 121 GENERAL CHEMISTRY I LAB		1
US EXPERIENCE IN ITS DIVERSITY		3
ELECTIVE		1
Total Credits:		15

← 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 Student Club	
Learn more about the SUNY Buffalo PharmD and the SUNY Optometry School Accelerated Programs	
Consult with a Pre-Health Advisor if you are Interested in Preparing for Entry into Pre-Professional Schools	

Year One - Second Semester Academic Program →		
Course Number & Title	Min. Grade	Cr.
ENG 151 INTRO TO COLLEGE WRITING		3
INDIVIDUAL & SOCIETY		3
MTH 231 ANALYTIC GEOMETRY & CALC. I	C	3
MTH 229 CALCULUS COMPUTER LAB		1
CHM 142 GENERAL CHEMISTRY II		3
CHM 127 GENERAL CHEMISTRY II LAB		1
ELECTIVE		1
Total Credits:		15

← Year One - Second Semester Career Readiness	
Recommended Career Milestones	Done
Create a Draft Cover Letter	
Create a LinkedIn Account	
Meet with your Chemistry faculty advisor and schedule regular check-ins	
Explore Career Options for Chemistry Majors	
Attend Professional Development Events and Internship Fairs to build a co-curricular transcript	

Year Two - First Semester Academic Program →		
Course Number & Title	Min. Grade	Cr.
CREATIVE EXPRESSION		3
CHM 250 ORGANIC CHEMISTRY I		5
PHY 116 PHYSICS I		4
ELECTIVE		2
Total Credits:		14

← Year Two - First Semester Career Readiness	
Recommended Career Milestones	Done
Develop a Network of Contacts Through LinkedIn	
Explore current research opportunities with a Chemistry Faculty member in your area of interest.	
Look for Summer Research Opportunities with National Science Foundation (NSF), National Institute of Health, American Chemical Society (ACS), ChemJobs	

Year Two - Second Semester Academic Program →		
Course Number & Title	Min. Grade	Cr.
CHM 240 ANALYTICAL CHEMISTRY		4
CHM 256 ORGANIC CHEMISTRY II		5
112-LEVEL LANGUAGE		3
PHY 156 PHYSICS II		4
Total Credits:		16

← Year Two - Second Semester Career Readiness	
Recommended Career Milestones	Done
Consider taking online courses through Coursera , LinkedIn Learning , ACS , Udemy in Python, ChemDraw, Laboratory Safety, or Technical Writing	
Explore CHM elective courses that align with and strengthen your career goals	
Identify Skills That You Need to Build Outside of the Classroom	
Apply for Summer internships	

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Year Three - First Semester <i>Academic Program</i> →		
Course Number & Title	Min. Grade	Cr.
114-LEVEL LANGUAGE		4
CHM 337 EXPERIMENTAL METHODS IN PHYSICAL CHEMISTRY		4
CHM 320 FUND. OF PHYSICAL CHEMISTRY		4
ELECTIVE		4
Total Credits:		16

← Year Three - First Semester <i>Career Readiness</i>	
Recommended Career Milestones	Done
Join a Professional Organization such as the American Chemical Society	
Attend Chemistry Seminars/connect with Alumni via LinkedIn	
Research Graduate School or Other Post-Graduate Opportunities like CUNY Graduate Center PhD or CSI Post Baccalaureate Certificate in Medical Laboratory Science	
Practice Advanced Interview Techniques	
Attend Pre-Health Information Session (Pre-Professional Schools)	

Year Three - Second Semester <i>Academic Program</i> →		
Course Number & Title	Min. Grade	Cr.
200-LEVEL TALA		4
CHM 360 INORGANIC CHEMISTRY		5
CHM ELECTIVE		4
ELECTIVE		1
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	
Attend a Local Conference such as (i) Middle Atlantic Region (MARM) of the American Chemical Society and (ii) Eastern Analytical Symposium	

Year Four - First Semester <i>Academic Program</i> →		
Course Number & Title	Min. Grade	Cr.
200-LEVEL SOCIAL SCIENCE		4
CHM ELECTIVE		4
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	
Obtain Recommendations from Faculty	
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 ELECTIVE		4
ELECTIVE		4
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	
Present Research at the CSI Undergraduate Research Conference	