

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

Course Number & Title	Min. Grade	Cr.
ENG 111 INTRO TO COLLEGE WRITING		3
MTH 231 ANALYTIC GEOMETRY & CALC. I	C	3
MTH 229 CALCULUS COMPUTER LAB		1
US EXPERIENCE IN ITS DIVERSITY		3
CSC 126 INTRO TO COMPUTER SCIENCE		4
Total Credits:		14

← 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 Mathematics-Related Student Club	

Year One - Second Semester Academic Program →

Course Number & Title	Min. Grade	Cr.
ENG 151 COLLEGE WRITING		3
MTH 232 CALCULUS II	C	3
112-LEVEL LANGUAGE		3
PSY 100 PSYCHOLOGY		3
CREATIVE EXPRESSION		3
ELECTIVE		1
Total Credits:		16

← Year One - Second Semester Career Readiness

Recommended Career Milestones	Done
Create a LinkedIn Account	
Explore Career Options for Mathematics 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.
LIFE & PHYSICAL SCI. (1-YR. SCI. SEQ.)		3
LIFE & PHYSICAL SCI. LAB (1-YR. SCI. SEQ.)		1
MTH 233 CALCULUS III		3
MTH 301 INTRO TO MATHEMATICAL PROOF		4
114-LEVEL LANGUAGE		4
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.
SCIENTIFIC WORLD (1-YR. SCI. SEQ.)		3
SCIENTIFIC WORLD LAB (1-YR. SCI. SEQ.)		1
EDP 220 SPECIAL EDUCATION NEEDS OF PEOPLE WITH DISABILITIES		3
MTH 338 LINEAR ALGEBRA		4
ELECTIVE		4
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****Mathematics 7-12 BS****2024-Present | Total Credits Required: 120**

Year Three - First Semester <i>Academic Program</i> →		
Course Number & Title	Min. Grade	Cr.
MTH 330 OR MTH 334		4
MTH 311 PROB. THEORY & INTRO. STATS		4
EDS 201 SOCIAL FOUNDATIONS OF SECONDARY EDUCATION		4
EDS 202 PSYCHOLOGICAL FOUNDATIONS OF SECONDARY EDUCATION		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.
MTH 329 GEOMETRY		4
MTH 337 APPL. COMBINATORICS & GRAPH		4
MTH 341 ADVANCED CALCULUS I		4
EDS 317 THE SECONDARY SCHOOL CURRICULUM IN MATHEMATICS		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.
MTH 306 HISTORY OF MATH. THOUGHT		4
MTH 339 ABSTRACT ALGEBRA I		4
EDS 303 THE PEDAGOGY OF SECONDARY SCHOOL IN MATHEMATICS		4
ELECTIVE		4
Total Credits:		16

← 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.
EDS 400 STUDENT TEACHING IN SECONDARY EDUCATION		6
EDS 401 REFLECTION & ANALYSIS IN STUDENT TEACHING IN SECONDARY ED		2
ELECTIVE		4
Total Credits:		12

← 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	