



SAMPLE CAREER DEGREE MAP
Medical Laboratory Science BS
2024-Present | Total Credits Required: 128

Year One - First Semester <i>Degree Requirements</i> →		
Course Number & Title	Min. Grade	Cr.
ENG 111 ENGLISH COMPOSITION		3
MTH 123 OR MTH 125		4
US EXPERIENCE IN ITS DIVERSITY		3
BIO 170 GENERAL BIOLOGY I	C	3
BIO 171 GENERAL BIOLOGY LAB I		1
CHM 141 GENERAL CHEMISTRY I		3
CHM 121 GENERAL CHEMISTRY I LAB		1
Total Credits:		18

← Year One - First Semester <i>Career Readiness</i>	
Recommended Career Readiness Activities	Done
Log into your Handshake Account	
Create a Draft Resume or Start Building a Basic Resume	
Join a Biology-Related Student Club	

Year One - Second Semester <i>Degree Requirements</i> →		
Course Number & Title	Min. Grade	Cr.
ENG 151 INTRO TO COLLEGE WRITING		3
PHL 130 ETHICS		3
CREATIVE EXPRESSION		3
BIO 150 HUMAN ANAT. & PHYSIOLOGY I	C	4
CHM 142 GENERAL CHEM II		3
CHM 127 GENERAL CHEM II LAB		1
Total Credits:		17

← Year One - Second Semester <i>Career Readiness</i>	
Recommended Career Readiness Activities	Done
Create a LinkedIn Account	
Explore Career Options for Biology Majors	
Attend Career Center for Professional Development Events and Internship Fairs	
Create a Draft Cover Letter	

Year Two - First Semester <i>Degree Requirements</i> →		
Course Number & Title	Min. Grade	Cr.
WORLD CULTURES & GLOBAL ISSUES		3
SOCIAL SCIENCE OR TALA		4
BIO 160 HUMAN ANAT. & PHYSIOLOGY II	C	4
CHM 240 ANALYTICAL CHEMISTRY		4
Total Credits:		15

← Year Two - First Semester <i>Career Readiness</i>	
Recommended Career Readiness Activities	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 <i>Degree Requirements</i> →		
Course Number & Title	Min. Grade	Cr.
SOCIAL SCIENCE OR TALA		4
CHM 250 ORGANIC CHEMISTRY I		5
BIO 314 GENERAL MICROBIOLOGY		4
ELECTIVES		5
Total Credits:		18

← Year Two - Second Semester <i>Career Readiness</i>	
Recommended Career Readiness Activities	Done
Join the American Institute of Biology Sciences (AIBS)	
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 - take an online course in R, Python, BLAST, or Geneious	



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Year Three - First Semester <i>Degree Requirements</i> →		
Course Number & Title	Min. Grade	Cr.
MLS 305 CLINICAL HEMATOLOGY		4
MLS 315 CLINICAL LAB. CHEMISTRY		4
BIO/MLS 325 DIAGNOSTIC MOLECULAR BIOLOGY		4
MLS 355 IMMUNOLOGY/SEROLOGY		4
Total Credits:		16

← Year Three - First Semester <i>Career Readiness</i>	
Recommended Career Readiness Activities	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>Degree Requirements</i> →		
Course Number & Title	Min. Grade	Cr.
BIO 272 STATISTICS FOR THE BIOLOGICAL SCIENCES		4
MLS 345 IMMUNOHEMATOLOGY		4
MLS 355 IMMUNOLOGY/SEROLOGY		4
MLS 365 PARASITOLOGY/MYCOLOGY/VIROLOGY		3
MLS 375 URINALYSIS/BODY FLUIDS		2
Total Credits:		17

← Year Three - Second Semester <i>Career Readiness</i>	
Recommended Career Readiness Activities	Done
Take Leadership Roles in Clubs and Organizations	
Attend Industry Conferences, Career Center for Professional Development Events and Internship Fairs	
Explore Career Options and Tasks with Virtual Work Experiences	
If applicable, start preparing for the MCAT, GRE, or other relevant exams	

Year Four - First Semester <i>Degree Requirements</i> →		
Course Number & Title	Min. Grade	Cr.
MLS 385 LABORATORY OPERATIONS AND MGT		4.5
MLS 410 CLINICAL TRAINING: MICROBIOLOGY/PARASITOLOGY/MYCOLOGY		4.5
MLS 420 CLINICAL TRAINING: BLOOD BANK		1.5
MLS 430 CLINICAL TRAINING: IMMUNOLOGY/SEROLOGY		3
Total Credits:		13.5

← Year Four - First Semester <i>Career Readiness</i>	
Recommended Career Readiness Activities	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 and Draft Personal Statements	

Year Four - Second Semester <i>Degree Requirements</i> →		
Course Number & Title	Min. Grade	Cr.
MLS 395 ASCP COMPREHENSIVE REVIEW		5
MLS 440 CLINICAL TRAINING: HEMATOLOGY/COAGULATION		4
MLS 450 CLINICAL TRAINING: CHEMISTRY		1.5
MLS 460 CLINICAL TRAINING: URINALYSIS/BODY FLUIDS		3
Total Credits:		13.5

← Year Four - Second Semester <i>Career Readiness</i>	
Recommended Career Readiness Activities	Done
Actively Apply for Jobs! Record your progress and follow up on your applications.	
Attend Networking Events and Career Fairs	
Final Interview Preparation – Practice Negotiation Skills for Job Offers/Salaries	
Secure Letters of Recommendation	
Participate in Senior Showcase Events	