

Murray State College
Degree Check Sheet 2021-2022
Associate in Science Degree in Agriculture-Biochemistry and Molecular Biology Option
Pre-Medical/Pre-Veterinary Option

Required credits for the degree - 62 Credit Hours

Name: ID:	Graduation Advisor Signature: Date:
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General Education Requirements (38 Credits)	Credits	Grade	Semester	Notes
English Composition (6 Credits)				
ENG 1113 English Composition I	3			
ENG 1213 English Composition II	3			
History and U.S. Government (6 Credits)				
HST 1483 US History to 1877 (or) HST 1493 US History since 1877	3			
GVT 1113 American Federal Government	3			
Science (8 Credits)				
BIO 1114 General Biology (or) other lab science course	4			
CHM 1114 General Chemistry	4			
Humanities (6 Credits) Courses are to be selected from the Humanities related electives, see listing for acceptable courses in the college catalog General Education Core, Section A, Area 4.				
	3			
	3			
Mathematics (3 Credits)				
MTH 1513 College Algebra	3			
Liberal Arts (3 Credits)				
PSY 1113 Intro Psychology (or) any Area 6 courses from the college catalog	3			
Arts and Science (3 Credits)				
SPC 1113 Fund of Speech	3			
Student Success (1 Credit) (first semester- first-time Freshman)				
COL 1211 Success Strategies	1			
Health and Wellness (2 Credits)				
Any approved Health, Wellness, and Human Performance course	2			
General Education Program Credit Hours Required				
Total	38			

Program Core and Recommended Electives – (24 Credit Hours Required)

Program Core Requirements (12 Hrs)	Credits	Grade	Sem	Recommended Program Electives (12 Hrs)	Credits	Grade	Sem
AG 1124 Intro to Animal Science	4			BOT 1114 General Botany	4		
AG 1214 Intro to Plant Science	4			CHM 1214 General Chemistry II	4		
AG 1113 Intro to Ag Economics	3			PHY 1114 General Physics I	4		
AG 2011 Topics in Agriculture	1			PHY 1214 General Physics II	4		
				MIC 2224 Intro to Microbiology	4		
Credit Hours Required	12			Substitutions must be approved by Program Chair	12		

Total Credit Hours Required for the A.S. in Agriculture-Biochemistry and Molecular Biology Option: 62

15 hours in residence at MSC _____

Min. 2.0 GPA _____

Min. 37 Hours in Gen Ed Core _____

MURRAY STATE COLLEGE

Associate in Science Agriculture-Biochemistry & Molecular Biology Option

Catalog Year 2021-2022

The Agriculture- Biochemistry & Molecular Biology Option is designed for transfer to four-year institutions. Professions open to a Agriculture-Biochemistry & Molecular Biology Option majors include : biomedical research, biotechnology, clinical chemistry, environmental research, forensics, medicine, nutrition, pharmaceuticals, and veterinary medicine.

FALL SEMESTER 1		
COURSE	TITLE	CREDITS
COL 1211/ 1211L	Success Strategies	1
ENG 1113	English Composition I	3
AG 2011	Topics in Agriculture	1
AG 1214*	Intro to Plant Science	4
BIO 1114	General Biology	4
PSY 1113	Introduction to Psychology	3
TOTAL CREDITS		16

SPRING SEMESTER 1		
COURSE	TITLE	CREDITS
MTH 1513	College Algebra	3
Humanities	Humanities Course	3
AG 1124*	Intro to Animal Science	4
ENG 1213	English Composition II	3
HST 1483/1493	US History	3
TOTAL CREDITS		16

FALL SEMESTER 2		
COURSE	TITLE	CREDITS
HWP Course	Personal Health/First Aid	2
CHM 1114	General Chemistry I	4
PHY 1114	General Physics I	4
Humanities	Humanities Course	3
AG 1113	Agricultural Economics	3
TOTAL CREDITS		16

SPRING SEMESTER 2		
COURSE	TITLE	CREDITS
PHY 1214	General Physics II	4
SPC 1113	Fundamentals of Speech	3
CHM 1214	General Chemistry II	4
GVT 1113	American Federal Government	3
TOTAL CREDITS		14

(*) Courses can be substituted by semester. This is a suggested course sequence only. Students may, with guidance from an Academic Advisor as well as a Faculty Advisor, make changes to their specific course sequence. The student should be aware that changes may result in more than four semesters to complete their desired Associates Degree.

GENERAL COLLEGE PREPARATORY REQUIREMENTS

Students may be required to complete transitional courses in English and/or math prior to being admitted into college level courses.

Academic placement is determined either by ACT results or placement exams.