

STUDENT NAME _____ DATE _____

Biotechnology A.A.S. at Montgomery College to B.T.P.S. IN LABORATORY MANAGEMENT AT UMUC

This worksheet is designed to help you plan and track your progress toward your degrees. For full course descriptions, please refer to the current undergraduate *Catalog*.

Courses taken at Montgomery College

Changes in recommended courses may affect other elements of the degree plan. Lower level equivalents of UMUC upper level courses fulfill content requirements but not upper-level minimum credit requirements

UMUC
Equivalent
Course

UMUC GER Requirement	GENERAL EDUCATION REQUIREMENTS (GER) (26 credits)	
Biological and physical science with lab GER	BI 107 Principles of Biology I (4)	BIOL 101
English Writing GER	EN 101 Techniques of Reading and Writing I (3)	
WRTG 101 Writing GER	EN 102 Techniques of Reading and Writing II (3) <i>English foundation course</i>	WRTG 101
Mathematics GER	MA 110 Survey of College Math <i>or more advanced math (3) Math foundation course.</i>	MATH 106
Speech/writing GER	SP 108, SP 112, or SP 212 (3) <i>Speech foundation course</i>	
First arts and humanities GER	AR 107, AR 108 or any HS (3) <i>Recommended arts or humanities distribution course</i>	
First social and behavioral sciences GER	PS 101, PY 102, or SO 101 (3) <i>Recommended behavioral and social sciences distribution course</i>	
Biological and physical science GER	BT 213 Nucleic Acid Methods (4)	
INTERDISCIPLINARY AND EMERGING ISSUES (1 credit)		
	Health foundation course (1)	
LABORATORY MANAGEMENT RELATED COURSES (29-30 CREDITS)		
◆ BI 203 Microbiology (4)		◆ BSCI 223
BI 209 General Genetics (4)		BSCI 222
◆ BT 101 Introduction to Biotechnology (2)		◆
◆ BT 117 Cell Culture and Cell Function (3)		◆
◆ BT 200 Protein Biotechnology (4)		◆
BT 204 Basic Immunology and Immunological Methods (4)		
◆ CH 101 Principles of Chemistry I (4)		◆ CHEM 103
CH 120 Essentials of Organic and Biochemistry (4) or CH 203 Organic Chemistry I (5)		
ELECTIVES (5 credits)		
	BT 115, BT 221, CA 120, CH 102, CH 204, or MA elective (5)	
Credits transferred: 61-62 credits		

SEQUENCE at UMUC

*Courses are listed in the order in which students should take them.
Changes in courses and order may affect other elements of the degree plan.*

NOTES

ADDITIONAL REQUIRED GENERAL EDUCATION COURSES FOR DEGREE (6 credits)		
Second arts and humanities GER	PHIL 140 or foreign language course (3) <i>Or other second arts/humanities GER course</i>	
Second social and behavioral sciences GER	ANTH 344 (3) <i>Or other social and behavioral sciences course from a second discipline</i>	UL
EMERGING ISSUES (7 credits) If requirement is completed in degree at community college, these credits may be used for electives		
LIBS 150 (1) <i>Required GER course</i>		
IFSM 201 or CMST 303 (3) <i>Required first computing GER course</i>		
IFSM 304 (3) <i>Or other second computing course</i>		UL
ADDITIONAL REQUIRED COURSES FOR MAJOR AND DEGREE (21 credits)		
STAT 200 (3) <i>Related statistics requirement for major</i>		
WRTG 393 or WRTG 393X (3) <i>Upper-level intensive writing GER course. Related requirement for major</i>		UL
◆ BIOL 400 (3) <i>Required for major</i>		UL
◆ BMGT 364 (3) <i>Required for major</i>		UL
◆ COMM 300 (3) <i>Required for major</i>		UL
◆ NSCI 301 or ENMT 322 (3) <i>Required for major</i>		UL
◆ BMGT 317 (3) <i>Or supplemental major course (BMGT 487; IFSM 300; SPCH 324, 397, 426, 470, 482)</i>		UL
INTERNSHIP FOR MAJOR (6 credits)		
◆ 6 credit internship through Cooperative Education <i>Required for major. Courses numbered 486 A or B in any discipline, but learning proposal must show relationship to the laboratory management major. Note: additional internships may be used in supplemental credits but maximum total internship credits in degree is 15</i>		UL ----- UL
MINOR OR ELECTIVES (15 credits, at least 9 credits upper level for minor)		
See requirements of individual minor. Note minimum requirements for upper-level coursework.		UL
		UL
		UL
		UL
ADDITIONAL ELECTIVES (3-4 credits)		
Choose any courses to meet 120 credits for degree. Note minimum requirements for upper-level coursework.		UL
TOTAL: 120 CREDITS		
CHECKLIST FOR FULFILLMENT OF DEGREE REQUIREMENTS See catalog for overview of all requirements.		
<input type="checkbox"/> 30 credits at UMUC, including at least half of the major and minor and 15 upper level credits. <input type="checkbox"/> 45 upper-level credits, including half the credit for the major and the minor. <input type="checkbox"/> All required courses <u>and</u> minimum number of credits for major and minor. <input type="checkbox"/> Prerequisites for major and minor courses, if needed.		<input type="checkbox"/> All General Education Requirements. <input type="checkbox"/> Grade of C or better in all courses for the major and minor. <input type="checkbox"/> Overall GPA of at least 2.0. <input type="checkbox"/> At least half the credit for the major earned through graded coursework. <input type="checkbox"/> Total 120 credits.
NOTES:		