



Student Name:

DATE:

## Degree Planning Worksheet BS or BTPS IN BIOTECHNOLOGY

This worksheet is designed to help you plan and track your progress toward your degree. It lists all of the graduation requirements in the recommended sequence. For full course descriptions, please refer to the current undergraduate *Catalog*.

SEQUENCE	COURSE TAKEN OR TRANSFERRED	SEMESTER TAKEN OR CREDIT REMAINING
<i>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.</i>		

*Recommendations will differ for specific majors. Refer to catalog for alternatives to recommended general education requirements (GenEds).  
Courses used for GenEds may not be used in the major or minor.*

**The BTPS is available only to students with the AAS from a community college with which UMUC has an articulation agreement.**

**REQUIRED LOWER-LEVEL COURSES FOR MAJOR (32 credits)** *Students must complete required lower-level coursework before arriving at UMUC.*

◆ Laboratory course in general microbiology, general genetics, biotechnology techniques, or laboratory techniques (4)		
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◆ Laboratory course in general microbiology, general genetics, biotechnology techniques, or laboratory techniques (3)		
Related science coursework (10) <i>May include any coursework related to biotechnology, including biotechnology, biochemistry, cell biology, chemistry, genetics, immunology, microbiology, molecular biology, physics, and virology courses</i>		
Related science coursework with lab (4) <i>Fulfills GenEd requirement</i>		
Related science coursework (3) <i>Fulfills GenEd requirement</i>		

**FIRST COURSES (7 credits)** **Take within first 18 credits.**  
**Take placement exams before registering for writing and math courses.**

LIBS 150 (1) <i>GenEd course</i>		
WRTG 101 (3) <i>GenEd course</i>		
MATH 106 or higher-level math course (3) <i>GenEd course</i>		

**INTRODUCTORY and GENERAL EDUCATION COURSES (24 credits)** **Take within first 30 credits unless completed in the associate's degree.**

IFSM 201 or CMST 303 (3) <i>First computing GenEd course</i>		
WRTG 291 (3) <i>Or other writing GenEd course except WRTG 486A/B</i>		
GVPT 170 (3) <i>Or other first behavioral/social science GenEd course</i>		
PHIL 140 or foreign language course (3) <i>Or other first arts/humanities GenEd course (not ARTH or HIST)</i>		
PSYC 100 or SOCY 100 (3) <i>Or other second behavioral/social science GenEd course (discipline must differ from first)</i>		
HIST 142 or HIST 157 (3) <i>Or any ARTH or HIST for second arts/humanities GenEd course</i>		
SPCH 100 or WRTG 293 (3) <i>Or other communication, writing or speech GenEd course</i>		
CMIS 111 (3) <i>Or other second computing GenEd course</i>		

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# BTPS IN BIOTECHNOLOGY

SEQUENCE <i>36 total credits for major, of which at least half must be upper-level and at least half taken through UMUC.</i>	COURSE TAKEN	SEMESTER TAKEN OR CREDIT REMAINING
<b>ADDITIONAL REQUIRED COURSES FOR MAJOR AND DEGREE (18 credits)</b> Take after introductory/foundation courses.		
WRTG 393 (3) <i>Or other upper-level advanced writing GenEd course</i>		
◆ BIOL 325 (3) <i>Required core course for major</i>		
◆ BIOL 350 or BIOL 356 (3) <i>Required core course for major</i>		
◆ BIOL 400 (3) <i>Required core course for major</i>		
◆ BIOL 320 (3) <i>Or other biological applications supplemental course (BIOL 334, 357, or additional 3-credit Co-op internship)</i>		
◆ BIOL 328 (3) <i>Or other specialized topics supplemental major course or courses equaling 3 credits (BIOL 356, 360, 362, 398A, 398J, 398K, 398P, 422, 434, 438, and NSCI 301)</i>		
<b>INTERNSHIP FOR MAJOR (6 credits)</b> Complete in last 30 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 biotechnology major. Note: additional internships may be used in supplemental credits but maximum total internship credits in degree is 15.</i>		
<b>MINOR OR ELECTIVES (15 credits, at least 9 credits upper level for minor)</b> Complete in last 60 credits along with major courses.		
See requirements of individual minor.		
<b>ADDITIONAL ELECTIVES (18 credits)</b> Complete in last 60 credits along with major and minor courses.		
Choose any courses to meet 120 credits for degree. Note minimum requirements for upper-level coursework.		
Recommended electives: ANTH 344, BMGT 317, FINC 331, SPCH 482		
<b>TOTAL: 120 CREDITS</b>		
<b>CHECKLIST FOR FULFILLMENT OF DEGREE REQUIREMENTS</b> 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 for 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:		