

Student Name:

Date:

## Degree Worksheet

# BS or BTPS IN BIOTECHNOLOGY

This worksheet is designed to help you plan and track your progress toward your degree. It lists all 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
<p><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></p>		

*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.*

<b>The BTPS is available only to students with the AAS from a community college with which UMGC has an articulation agreement.</b>		
<b>REQUIRED LOWER-LEVEL COURSES FOR TRANSFER INTO MAJOR (10 credits)</b> <i>Students seeking the BTPS must complete all required lower-level coursework in the AAS. Students seeking the BS must complete required lower-level coursework before arriving at UMGC.</i>		
<p>Related science coursework (10) <i>Related requirement for major. May include any coursework related to biotechnology, including biotechnology, biochemistry, cell biology, chemistry, genetics, immunology, microbiology, molecular biology, physics, and virology courses. See major area on page 2 for additional required transfer courses.</i></p>		Must be completed before transfer to UMGC
<b>GENERAL EDUCATION COURSES (41 credits)</b>		
PACE 111S (3) <i>Or other PACE 111 course chosen from 111B, 111C, 111M, 111P, 111S, or 111T</i>		
WRTG 111 (3) <i>Or other 3-credit WRTG course except 288, 388, 486A, 486B. COMM 390 and 492, ENGL 102 and JOUR 201 apply</i>		
WRTG 112 (3) <i>Required GenEd course. Must be completed with a grade of C- or better</i>		
MATH 105 (3) <i>or other approved math GenEd course (MATH 105, MATH 107, STAT 200, or more advanced MATH or STAT)</i>		
LIBS 150 or CAPL 398A (1) <i>Or other GenEd elective</i>		
IFSM 201 (3) <i>Or other technology GenEd course</i>		
GEOL 100 (3) <i>Or other 3-credit biological/physical science GenEd course. Related science coursework for major.</i>		
BIOL 101/102 or NSCI 100/101 (4) <i>Or other biological/physical science GenEd course with related lab. Related science coursework for major.</i>		
HIST 125 (3) <i>Or other arts/humanities GenEd course</i>		
HUMN 100 (3) <i>Or other arts/humanities GenEd course</i>		
ECON 103 (3) <i>Or other behavioral/social science GenEd course</i>		
BEHS 103 (3) <i>Or other behavioral/social science GenEd course</i>		
SPCH 100 (3) <i>Or other communication, writing, or speech GenEd course</i>		
WRTG 393 (3) <i>Or other upper-level advanced writing GenEd course</i>		

## Degree Worksheet (p. 2) BTPS IN BIOTECHNOLOGY

SEQUENCE <i>36 total credits for major, of which at least half must be upper-level and at least half must be taken through UMGC.</i>	COURSE TAKEN	SEMESTER TAKEN OR CREDIT REMAINING
<b>MAJOR COURSES (33 credits)</b>		
◆ General Microbiology with lab (4)		Courses must be completed
◆ General Genetics with lab (4)		BEFORE transferring
◆ Biotechnology applications and techniques with lab (7)		to UMGC
◆ BIOL 325 Inquiries in Biological Science (3)		
◆ BIOL 350 Molecular and Cellular Biology (3)		
◆ BIOL 357 Bioinformatics (3)		
◆ NSCI 301 Laboratory Management and Safety (3)		
◆ BIOL 486A/B Workplace Learning in Biology (6) <i>Or other related Workplace Learning</i>		
<b>CAPSTONE FOR MAJOR (3 credits) <i>To be taken in last 15 credits</i></b>		
◆ BIOL 495 Current Trends and Applications in the Life Sciences (3)		
<b>ADDITIONAL TRANSFER SCIENCE REQUIREMENTS (10 Credits; MUST BE TRANSFERRED)</b>		
Related science coursework (3) Chosen from ~		
Related science coursework (3) Chosen from ~		
Related science coursework (4) Chosen from ~		
<b>ELECTIVES / MINOR (33 credits)</b>		
Choose any courses to meet 120 credits for degree. Note minimum requirements for upper-level coursework.		
<b>TOTAL: 120 CREDITS</b>		

CHECKLIST FOR FULFILLMENT OF DEGREE REQUIREMENTS See catalog for overview of all requirements.	
<input type="checkbox"/> 30 credits at UMGC, 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 WRTG 112 <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:	