



## ACADEMIC TENTATIVE DEGREE COMPLETION CHECKLIST

College of Science, Department of Biomedical Sciences

### BS, Microbiology, Version 2

Student Name _____	Banner ID _____	
Catalog Year _____	Anticipated Graduation Date _____	Advisor _____
Additional Comments: _____		
_____		
_____		

YEAR 1	<b>Semester 1 Fall</b>	<b>Hours</b>	<b>Semester 2 Spring</b>	<b>Hours</b>
	<input type="checkbox"/> BIO 124/125 BIOLOGICAL PRINCIPLES & LAB <input type="checkbox"/> MATH 130 COLLEGE ALGEBRA W/ APPL OR GENERAL EDUCATION COURSE 1 <input type="checkbox"/> ENG 101 OR GENERAL EDUCATION COURSE 2 <input type="checkbox"/> GENERAL EDUCATION COURSE 3 <input type="checkbox"/> COLL 101 FIRST YEAR EXPERIENCE <input type="checkbox"/>	4 4 3 3 2	<input type="checkbox"/> BIO 202/203 ZOOLOGY OR BIO 200 BOTANY <input type="checkbox"/> BIO 208 FOUNDATIONS OF CELL & MOLECULAR BIOLOGY <input type="checkbox"/> MATH 130 COLLEGE ALGEBRA W/ APPL OR MATH 145 PRE-CALCULUS <input type="checkbox"/> GENERAL EDUCATION COURSE 4 <input type="checkbox"/> GENERAL EDUCATION COURSE 5 <input type="checkbox"/>	4 3 4 3 3
	Semester Hours: <b>16</b>		Semester Hours: <b>17</b>	

**Notes:** This version of Microbiology is for students who do not meet or exceed the Math ACT/SAT minimum score of 22/250. For students with a Math ACT/SAT score 21/530, they may enroll in Math 130 College Algebra with Applications for 4 credit hours; all others must enroll in the 5 credit hour section.

YEAR 2	<b>Semester 1 Fall</b>	<b>Hours</b>	<b>Semester 2 Spring</b>	<b>Hours</b>
	<input type="checkbox"/> BIO 202/203 ZOOLOGY OR BIO 200 BOTANY <input type="checkbox"/> CHEM 110/111 GENERAL CHEMISTRY I & LAB <input type="checkbox"/> GENERAL EDUCATION COURSE 6 <input type="checkbox"/> MATH 145 PRE-CALCULUS OR GENERAL EDUCATION COURSE 1 <input type="checkbox"/> <input type="checkbox"/>	4 4 3 3	<input type="checkbox"/> BIO RESTRICTED ELECTIVE 1 <input type="checkbox"/> CHEM 112/113 GENERAL CHEMISTRY II & LAB <input type="checkbox"/> BIO 221 BIOSTATS OR GENERAL EDUCATION COURSE 7 <input type="checkbox"/> GENERAL EDUCATION COURSE 8 OR GENERAL ELECTIVE <input type="checkbox"/> GENERAL EDUCATION COURSE 9 <input type="checkbox"/>	4 4 3 3 3
	Semester Hours: <b>14</b>		Semester Hours: <b>17</b>	

**Notes:** Math 145 Pre-Calculus must be successfully (grade of "C" or better) completed prior to enrolling in Physics. Math 130 College Algebra with Applications must be successfully completed (grade of "C" or better) prior to enrolling in Chemistry.

YEAR 3	<b>Semester 1 Fall</b>	<b>Hours</b>	<b>Semester 2 Spring</b>	<b>Hours</b>
	<input type="checkbox"/> BIO 325/326 MICROBIOLOGY & LAB <input type="checkbox"/> CHEMISTRY 340/341 ORGANIC CHEMISTRY I & LAB <input type="checkbox"/> BIO 221 BIOSTATS OR GENERAL EDUCATION COURSE 7 <input type="checkbox"/> PHYS 101/110 PHYSICS I & LAB <input type="checkbox"/> <input type="checkbox"/>	4 4 3 4	<input type="checkbox"/> BIO RESTRICTED ELECTIVE 2 <input type="checkbox"/> BIO RESTRICTED ELECTIVE 3 <input type="checkbox"/> PHYS 102/111 PHYSICS II & LAB <input type="checkbox"/> CHEM 342/343 ORGANIC CHEMISTRY II & LAB <input type="checkbox"/> GENERAL EDUCATION COURSE 8 OR GENERAL ELECTIVE <input type="checkbox"/>	4 3 4 4 3
	Semester Hours: <b>15</b>		Semester Hours: <b>18</b>	

**Notes:**

YEAR 4	<b>Semester 1 Fall</b>	<b>Hours</b>	<b>Semester 2 Spring</b>	<b>Hours</b>
	<input type="checkbox"/> BIO 480 BIOLOGY CAPSTONE <input type="checkbox"/> BIO RESTRICTED ELECTIVE 4 <input type="checkbox"/> BIO ELECTIVE 1 (207 OR ANY 300-400) <input type="checkbox"/> BIO 460/461 MOLECULAR BIOLOGY <input type="checkbox"/> BIO 470 BIOCHEMISTRY <input type="checkbox"/>	1 3 3 4 3	<input type="checkbox"/> BIO 480 BIOLOGY CAPSTONE <input type="checkbox"/> BIO ELECTIVE 2 <input type="checkbox"/> BIO RESTRICTED ELECTIVE 5 <input type="checkbox"/> BIO ELECTIVE 3 <input type="checkbox"/> GENERAL EDUCATION COURSE 10 <input type="checkbox"/>	1 4 4 4 3
	Semester Hours: <b>14</b>		Semester Hours: <b>16</b>	

**Notes:** 15 credit hours of BIO Restricted electives are required, as are an add'l 9 credit hours of BIO 207 and/or 300-400 level electives. General electives at the 300-400 level round out the 120 credit hours.

**COURSE ROTATIONS FOR REQUIRED COURSES:**

BIO 325/326 MICROBIOLOGY	Both semesters
BIO 460/461 MOLECULAR BIOLOGY	Fall only
BIO 470 BIOCHEMISTRY	Fall only
BIO 480 BIOLOGY CAPSTONE	Full Year (Fall + Spring, in order)
CHEM 340/341 ORGANIC CHEM I	Fall only
CHEM 342/343 ORGANIC CHEM II	Spring only

**COURSE ROTATIONS FOR RESTRICTED ELECTIVES:**

BIO 220 SCIENTIFIC METHODOLOGIES	Replacing with BIO 340 Bio Science Skills – Fall only
BIO 302/303 HUMAN A&P I	Both semesters
BIO 306 BIOTECH I	Fall only
BIO 317 IMMUNOLOGY	Spring only
BIO 321 BIOTECH II	As needed
BIO 328/334 HUMAN A&P II	Both semesters
BIO 329 APPLIED MICRO	As needed
BIO 338 MEDICINAL BOTANY	Odd Springs
BIO 356 PARASITOLOGY	Odd Springs
BIO 401 GENETICS	Spring only
BIO 421 EPIDEMIOLOGY	As needed
BIO 432 HISTOLOGY	Fall only
BIO 462 MICROBIAL PATH	Fall only
BIO 465 VIROLOGY	Even Springs
BIO 472 CELL BIO	Spring only