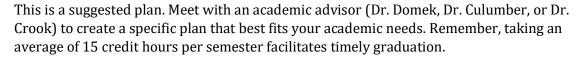
Bachelor of Science in MICROBIOLOGY Graduation MAP





Catalog Year: 2020-2021 MATH 1050 PLACEMENT NAME: _____

	Course	Credit Hour	Semester Offered	Milestones & Notes
	Freshman (Semester 1)			
	ENGL 1010 EN - Introductory College Writing	3	Fall/Spring/Summer	MATH QL 1050 grade of "C" or high
	MATH 1050 QL - College Algebra	4	Fall/Spring/Summer	prerequisite MATH 1010, ACT 23,
	CHEM 1200 - Preparation for College Chemistry	3	Fall/Spring/Summer	placement test.
_	GE American Institutions (AI) Course	3	Fall/Spring/Summer	GE American Institutions requires
	*LIBS 1504 - Information Literacy Competency Exam	1	Fall/Spring/Summer	grade of "C" or higher. *May opt to complete LIBS 1704 course (1 credit hour) instead of ex However, competency exam is
	Total Semester Credits	14		recommended.
	Freshman (Semester 2)			
T	MICR 2054 LS - Principles of Microbiology	4	Fall/Spring/Summer	MATH 1050 is a pre or co-requisit
	CHEM 1210 PS - Principles of Chemistry I w/Lab	5	Fall/Spring/Summer	CHEM 1210.
1	ENGL 2010 EN - Intermediate College Writing	3	Fall/Spring/Summer	ENGL 2010 requires a grade of "C" of higher.
T	ZOOL 1110 LS - Principles of Zoology	4	Fall/Spring	
	r		7 1 0	ZOOL 1110 recommended as Micr
4		4.6		Life Science Elective and as
	Total Semester Credits	16		prerequisite for ZOOL 3200 & 330
	Freshman (Optional)			
T	MATH 1060 - Trigonometry -or-	2 5	Fall /Coming /Common	Courses can be taken in summer
	MATH 1080 QL - Pre-Calculus	3-5	Fall/Spring/Summer	semester to decrease credit load
				regular semesters.
	Total Semester Credits	3-5		 MATH above 1080 is recommend but not required.
	Sophomore (Semester 3)		I = 11 /a .	
	MICR 3053 - Microbiological Procedures	3	Fall/Spring	MICR 3053 prerequisites: MICR 2
4	CHEM 1220 - Principles of Chemistry II w/Lab	5	Fall/Spring/Summer	CHEM 1210, and MATH 1050 or 1
4	MICR Life Science Course Elective	3-4	Depends on course	or 1210.
4	MICR 2600 - Laboratory Safety	1	Fall/Spring	
4	GE Social Science Course	3	Fall/Spring/Summer	
	Total Semester Credits	15-16		
	Sophomore (Semester 4)			
	MICR 3154 - Microbial Ecology	4	Fall/Spring	MICR 3154 prerequisites: MICR 2
	CHEM 2310/2315 - Organic Chemistry I & Lab	5	Fall/Spring/Summer	and CHEM 1210.
	GE Humanities/Creative Arts Course	3	Fall/Spring/Summer	Fewer credits recommended while
				taking Organic Chemistry.
	Total Semester Credits	12		
	Sophomore (Optional)			
	MATH 1040 QL - Introduction to Statistics -or-		P 11 /0 : /0	Statistics recommended for
	QUAN 2600 - Business Statistics I -or-	3-4	Fall/Spring/Summer	graduate/pre-professional school
	PSY 3600 - Statistics in Psychology -or- *MATH 3450 - Advanced Statistical Methods		Spring	• * MATH 3450 prerequisite: MATH 3410 or MATH 1040 and a 3 credi
+		4		3000 or 4000 level course with or
+	**MATH 1210 - Calculus I	4	Fall/Spring/Summer	the following designations: MATH
1	MICR 4800 - Directed Research	1-2	Fall/Spring/Summer	BTNY, CHEM, PHYS, GEO, MICR ar
	Total Semester Credits	8-10		 ZOOL. **Math through Calculus I highly recommended for graduate school Directed Research requires instruational.

V	Course	Credit Hours	Semester Offered	Milestones & Notes
	Junior (Semester 5)	Hours	Officieu	anotes
	MICR Major Elective Course	4	Depends on course	MATH 1060 prerequisite for PHYS
	CHEM 3070/3075 - Biochemistry I & Lab	4	Fall/Spring	2010.
	PHYS 1010 PS - Elementary Physics -or-		Fall/Spring/Summer	• **If PHYS 2010 is selected, must also
	**PHYS 2010 PS - College Physics I -or-	3-5	Fall/Spring	take PHYS 2020 (recommended for
	PHYS 2210 PS - Physics for Scientists and Engineers I			graduate/pre-professional programs).
	GE Social Science Course	3	Fall/Spring/Summer	• 20 credits of MICR electives required,
-	m . 10	4446		see catalog for listing of options.
	Total Semester Credits	14-16		
	Junior (Semester 6)		D d	avenue i princa a
	MICR Major Elective Course	6	Depends on course	CHEM and PHYS Support courses chauld be complete.
	PHYS 2020 - College Physics II (if needed)	5	Fall/Spring	should be complete.
	GE Humanities Course	3	Fall/Spring/Summer	_
	Total Semester Credits	14		_
	Junior (Optional)	14		
	MICR 4800 - Directed Research -or-	T		Directed Research/Readings requires
	MICR 4830 - Directed Readings	1-2	Fall/Spring/Summer	instructor approval.
	Thore Tool Photoca Readings			
	Total Semester Credits	1-2		
	Senior (Semester 7)			
	MICR 4054 - Microbial Physiology	4	Fall	• MICR 4054 prerequisites: MICR 2054,
	MICR Major Elective Course	5	Depends on course	CHEM 1220 and CHEM 2310/2315.
	GE Creative Arts Course	3	Fall/Spring/Summer	Completion or concurrent in CHEM
				3070/3075.
	Total Semester Credits	12		Meet with advisor to evaluate progress
	Senior (Semester 8)			toward graduation.
	MICR 4154 - Microbial Genetics	4	Spring	MICR 4154 prerequisites: MICR 2054
	MICR Major Elective Course	5	Depends on course	and CHEM 2310/2315. Completion or concurrent in CHEM 3070/3075.
	Other Upper Division Electives	4	Depends on course	
	Other Opper Division Electives	1	Depends on course	• 40 credit hours of Upper Division
	Total Semester Credits	13		credits required for graduation, check
	Total Sellester Credits	15		CatTracks.
		<u> </u>		Apply for graduation.
	Senior (Optional)			
	MICR 4800 - Directed Research -or-	1-2	Fall/Spring/Summer	Directed Research/Readings requires
	MICR 4830 - Directed Readings	1	/ op6/ outilities	instructor approval.
	m . 10	4.0		
	Total Semester Credits	1-2		

Gen Ed Breadth Requirements (do not duplicate departments)

TOTAL BACHELOR CREDITS

П	□ DV (Double dip with other Gen Ed courses)				
	PS 🗆 LS	□ PS or LS			
	SS 🗆 SS				
	HU □ CA	□ HU or CA			

Avoid misadvisement! Consult your academic advisor (weber.edu/advisors), the WSU Catalog (weber.edu/catalog), and your CatTracks degree evaluation (log into your eWeber Student Portal).

NOTES:

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- NEED 40 UPPER DIVISION CREDIT HOURS TO GRADUATE. Plan accordingly!
- This plan outlines a general degree in Microbiology.
 Students interested in graduate or professional school should follow the Pre-Professional GradMap.
- Major GPA of 2.0 or higher required for graduation.
- Choose Microbiology Elective Courses per the guidelines as stated in the Microbiology (BS) catalog.
- A minor in Chemistry will meet the requirements within the Microbiology major. This GradMap includes the Chemistry minor.
- Please talk to a Microbiology advisor about declaring an emphasis in Microbiology. The emphases can be found in the WSU catalog.

Revision Date: 05/08/2020