

# MY DEGREE WORKSHEET

## BACHELOR OF ARTS (BA), BIOLOGICAL SCIENCES

For students entering College Fall 2019

Name  Student #  Expected Graduation Date

### BIOLOGICAL SCIENCES

Select at least **29 total credit hours** in *biological sciences*, including at least **16 hours at 3000-level or higher**, at least **one 3000-level or higher** course with a formal lab or field experience, and at least **12 hours at 2000-level or higher at MU**. You must receive a grade of C- or higher in all the biology courses you use to fulfill these requirements, and you must maintain an overall GPA of 2.0 or higher in all those courses. You may not use independent reading, internship, problems courses, BIO\_SC 2001, 2015, 2060, 2100, 2150, 2950, and 3010 to meet the 29-hour requirement. You may use BIOCHM 4270 and 4272 to meet the 29-hour requirement.

	Grade/ Transfer	Credit Hrs
<b>BIO_SC 1500</b> Intro to Biological Systems with Lab /		
<b>BIO_SC 2200</b> General Genetics		
<b>BIO_SC 2300</b> Introduction to Cell Biology		
<b>Evolutionary Biology</b>		
<i>Choose 1</i> <b>BIO_SC 3400*</b> Evolution & Ecology (3 hrs, Fall, Sp) <b>BIO_SC 4600</b> Evolution (3 hrs, Fall, Sp) *No credit for BIO_SC 3400 if either BIO_SC 3650 or 4600 is already completed. You may not be co-enrolled in BIO_SC 3400 and 4600.		
<b>Biological Diversity</b>		
<i>Choose 1</i> <b>BIO_SC 3210</b> Plant Systematics (4 hrs, lab, Sp) <b>F_W 2600</b> Ornithology (5 hrs, lab, Sp) <b>BIO_SC 3260W</b> Invertebrate Zoology (3 hrs, Sp) <b>F_W 2700</b> Ichthyology (4 hrs, lab, Sp) <b>BIO_SC 3710</b> Entomology (3 hrs, Fall) <b>F_W 3660</b> Mammalogy (4hrs, lab, Sp) <b>BIO_SC 3750</b> General Microbiology (3 hrs, Fall) <b>MICROB 3200*</b> Medical Microbiology & Immunology (4 hrs, Fall, Sp) *MICROB 3200 cannot be used to satisfy lab requirement		
<b>Capstone</b> (must complete in last 45 hours) <input type="text"/>		
<i>Choose 1</i> <b>BIO_SC 4950/4952</b> Undergrad Research (3hrs, Fall-Sp-Sum) <b>BIO_SC 4982W</b> Human Inherited Disease (3hrs, even Fall) <b>BIO_SC 4972W</b> Developmental Biology (3 hrs, Fall, Sp) <b>BIO_SC 4990</b> Vertebrate Hist/Microscopic Anat (5 hrs, lab, Fall) <b>BIO_SC 4976</b> Molecular Biology (3 hrs, Fall, Sp) <b>BIO_SC 4994</b> Senior Seminar (3 hrs, Fall, Sp) <b>BIO_SC 4978</b> Cancer Biology (3 hrs, Fall)		
<b>Elective</b> (if needed):		
<b>Elective</b> (if needed):		
<b>Elective</b> (if needed):		

**TOTAL BIOLOGY HOURS**  
Should total at least 29 hrs

**TOTAL BIOLOGY HRS at 3000+**  
Should total at least 16 hrs

### RELATED SCIENCE FIELDS

You must receive a grade of C- or higher in all the courses in related science fields that you use to fulfill these requirements, and you must also maintain an overall GPA of 2.0 or higher in all MU courses.

#### CHEMISTRY (ALL COURSES REQUIRED)

<b>CHEM 1320</b> College Chemistry I		
<b>CHEM 1330</b> College Chemistry II		
<b>CHEM 2030</b> Survey of Organic Chemistry (3 hrs) <b>OR</b> <b>CHEM 2100 + CHEM 2110</b> , Organic Chemistry I and II (6 hrs)		

#### PHYSICAL SCIENCES (choose 1)

<b>Physical Sciences:</b> [SELECT]		
<i>Choose 1</i> <b>PHYSCS 1210</b> College Physics I (4 hrs) <b>GEOL 1100</b> Principles of Geology w/Lab (4hrs) <b>PHYSCS 2750</b> University Physics I (5 hrs) <b>GEOL 1200</b> Environmental Geology w/Lab (4hrs) <b>ASTRON 1010</b> Introduction to Astronomy (4 hrs)		

#### MATHEMATICAL SCIENCES (choose 1)

<b>Mathematical Sciences</b> [SELECT]		
<i>Choose 1</i> <b>MATH 1400</b> Calculus for Social & Life Sci I (3 hrs) <b>STAT 1200</b> Intro to Stat. Reasoning (3 hrs) <b>MATH 1500</b> Analytic Geometry & Calculus I (5 hrs) <b>STAT 2500</b> Intro to Probability & Statistics I (3 hrs) <b>INFOTC 1040</b> Introduction to Problem Solving & Programming (3 hrs)		



**COLLEGE OF ARTS AND SCIENCE FOUNDATION (BASIC SKILLS), UNIVERSITY GENERAL EDUCATION AND GRADUATION REQUIREMENTS**  
**BACHELOR OF ARTS DEGREE (FOR STUDENTS STARTING MU SUMMER '19 OR LATER)**  
*(List courses already completed and courses to be completed)*

Ed = General Education, G = Graduation, B = Basic Skills, O = course may be used for other degree requirements

All General Education and Graduation requirements must be met with a grade of C- or better (except for the American Gov./History requirement)

	Department/Course #	Semester		Department/Course #	Semester
ENGLISH 1000 OR EQUIVALENT <sup>Ed, B</sup>			MATH 1050, 1100/1120, 1160, 1180; STAT 1200 <sup>Ed, B</sup>		
WRITING INTENSIVE I (1000+) <sup>Ed, O</sup>			CAPSTONE <sup>G, O</sup>		
WRITING INTENSIVE II (3000+) <sup>G, O</sup>			DIVERSITY REQUIREMENT (DI) <sup>O</sup>		
AMERICAN GOVERNMENT OR HISTORY <sup>Ed, B, O</sup>			FOR STUDENTS BEGINNING COLLEGE FALL '17 OR LATER		

FOREIGN LANGUAGE (GENERALLY 12-13 HOURS; MUST BE IN THE SAME LANGUAGE) <sup>B</sup>

Department/Course #	Semester	Department/Course #	Semester	Department/Course #	Semester	Department/Course #	Semester

**COLLEGE OF ARTS AND SCIENCE FOUNDATION (BREADTH OF STUDY AND DEPTH OF STUDY) REQUIREMENTS**

*(List courses already completed and courses to be completed)*

— Arts and Science Foundation courses satisfy the MU Distribution of Content requirement for an Arts and Science degree —  
*(if student is pursuing a second non-A&S degree and/or transfers to another division,  
 check with the appropriate advisor concerning courses meeting MU Distribution of Content requirement)*

	DEPARTMENT AND COURSE NUMBER	SEMESTER/ GRADE	CREDIT HOURS	TOTAL HOURS	
<b>AREA 1 — BIOLOGICAL, PHYSICAL, AND MATHEMATICAL SCIENCES</b> 9 hours minimum covering at least 2 of 3 categories (must include 1 science lab). Examples include <b>Biological</b> : biology, biological anthropology; <b>Physical</b> : chemistry, geology, physics; <b>Mathematical</b> : mathematics, statistics.					<ul style="list-style-type: none"> <li>Consult the A&amp;S Advising website for courses that meet A&amp;S Foundation requirements</li> <li>One non-A&amp;S course can count toward the 2000 level or higher course requirement</li> <li>Only one non-A&amp;S course may be counted in each of the four areas</li> <li>Courses in the major department may not be used to fulfill A&amp;S Foundation (Breadth of Study and Depth of Study) requirements</li> <li>30 of the last 36 hours must be taken as MU courses</li> <li>In order to graduate, students must have the following Grade Point Averages (GPAs):               <ul style="list-style-type: none"> <li>2.0 cumulative GPA</li> <li>2.0 major GPA</li> <li>2.0 minor GPA</li> </ul> </li> </ul>
<b>AREA 2 — BEHAVIORAL SCIENCES</b> 5 hours minimum. Examples include anthropology (excluding biological anthropology), psychology and sociology.					
<b>AREA 3 — SOCIAL SCIENCES</b> 9 hours minimum covering at least 2 subjects. Examples include economics, geography, history and political science.					
<b>AREA 4 — HUMANITIES AND FINE ARTS</b> 12 hours minimum covering at least 3 subjects. Examples include appreciation of art, music or theatre; classical humanities; creative and performing arts; foreign civilizations; history of art, music or theatre; literature; philosophy; and religious studies.					

**Three 2000 level or above** Arts & Science approved courses (minimum 9 hours) must be distributed in at least two of the four areas listed above. One course must be an MU course.

**List courses**

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In order to graduate, students must complete a minimum of (A) **120 hours** of degree applicable credit (including major, foundation courses, general education, minor [optional], and electives) including (B) **30 hours numbered 3000 or above**. You will receive an e-mail stating progress toward requirements A and B. This information is also available at 107 Lowry Hall a few weeks after filing this graduation plan.