

Fall 2020 through Summer 2021	<b>B.A. in Biological Science</b>	<b>MINIMUM TOTAL CREDIT HOURS: 120</b>
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GENERAL EDUCATION REQUIREMENTS (48-50 hours)	MAJOR REQUIREMENTS (46 hours)	MINOR REQUIREMENTS	
<b>First Year Writing I (3 hours)</b>	<p>Students complete 6 required biology courses and 3-4 biology electives; they also complete 4 courses outside the department. A minimum grade of C or better is required in all courses counted for the major, and every biology course requires a grade of C or better in all prerequisite courses, including those prerequisite courses from other departments.</p> <p>Bisc 160, 161. Biological Sciences I &amp; Lab (4 hours) Bisc 162, 163. Biological Sciences II &amp; Lab (4 hours) Bisc 322. General Ecology (4 hours) Bisc 336. Genetics (4 hours)</p> <p>One physiology course (4 hours): Bisc 330. Introductory Physiology Bisc 438. Microbial Physiology Bisc 516. Plant Physiology</p> <p>Biology electives at the 300 level or higher except Bisc 492 (12 hours)</p> <p>Bisc 498. Major Field Achievement Test (0 hours)</p> <p>4 courses (14 hours) outside of the department: Chem 105, 115. General Chemistry I and Lab (4 hours) Chem 106, 116. General Chemistry II and Lab (4 hours)</p> <p>2 mathematics courses (6 hours) from: Math 115. Elem. Statistics Math 121 or Math 125 (but not both). Algebra or Basic Math for Science &amp; Engineering Math 123. Trigonometry Math 261. Calculus I or higher (except Math 245 &amp; 246)</p>	<p>A minor field of study (usually 18 hours) is required for this major. Courses will not count toward both major and minor.</p>	
Hon 101, Writ 100 or Writ 101			
<b>First Year Writing II (3 hours)</b>			
Hon 102, Liba 102, Writ 102			
<b>English Literature Survey (6 hours)</b>			
Eng 220, 221, 222, 223, 224, 225, 226, 22X			
<b>Modern or Ancient Language (6 – 12 hours)</b>			
6 hours at the 200-level or higher in a single language			
<b>History (6 hours)</b>			
Any history courses			
<b>Additional Humanities (3 hours)</b>			
Any African American Studies, Classics, Philosophy, Religion; Envs 101; G St 201, 202, 301, 304, 333, 350, 353, 391, 402 or any G St cross-listed with a humanities; Liba 202, 305, 312; Southern Studies (100-level)			
<b>Fine or Performing Arts (3 hours)</b>	<b>ELECTIVES</b>	<p>Electives to bring the total minimum number of hours to 120.</p> <p>At least 40 hours of coursework in the general education, major, minor, and elective hours must be at the 300-level or above.</p>	
Any Art History; Mus 101, 102, 103, 104, 105; Thea 201, 202; Danc 200; Liba 130, 204, 314			
<b>Mathematics (3 hours)</b>			
Any math course except for Math 245 and Math 246			
<b>Social Sciences (6 hours)</b>			
Any Anthropology, Economics, Political Science, Psychology, and Sociology, Liba 203, 313			
<b>Natural Science (9 to 11 hours)</b>			<b>EXPERIENTIAL LEARNING</b>
Any Biology; Chemistry (not Chem 101); Geology; Liba 150, 151, 205, 205L, 315, 315L; Astronomy or Physics; at least two courses must include a lab; two courses must be from the same subject of science with the third from a different department; each course must be a minimum of three credit hours			<p>Students may earn credit towards the major through research courses, field courses, Study USA, and study abroad courses.</p>

SAMPLE DEGREE MAP  
BACHELOR OF ARTS IN BIOLOGICAL SCIENCE

YEAR	FALL SEMESTER	HOURS	SPRING SEMESTER	HOURS
<b>FRESHMAN</b>	First Year Writing I	3	First Year Writing II	3
	Chem 105, 115. General Chemistry I + Lab	4	Chem 106, 116. General Chemistry II + Lab	4
	Mathematics	3	Fine arts	3
	Bisc 160, 161. Biological Sciences I & Lab	4	Bisc 162, 163. Biological Sciences II & Lab	4
	<b>TOTAL CREDIT HOURS</b>	<b>14</b>	<b>TOTAL CREDIT HOURS</b>	<b>14</b>
<b>SOPHOMORE</b>	Modern Language (100-level)	6	Modern Language (200-level)	6
	Eng 22? Literature Survey	3	Eng 22? Literature Survey	3
	Bisc 336. Genetics	4	Social Science	3
	Mathematics	3	Bisc 322. General Ecology	4
	<b>TOTAL CREDIT HOURS</b>	<b>16</b>	<b>TOTAL CREDIT HOURS</b>	<b>16</b>
<b>JUNIOR</b>	Social Science	3	Biology Elective (300-level or higher)	4
	Additional Humanities	3	Minor Field of Study (300-level or higher)	3
	Minor Field of Study	3	Minor Field of Study (300-level or higher)	3
	Bisc - Physiology	4	History	3
	History	3	Elective (300-level or higher)	3
	<b>TOTAL CREDIT HOURS</b>	<b>16</b>	<b>TOTAL CREDIT HOURS</b>	<b>16</b>
<b>SENIOR</b>	Biology Elective (300-level or higher)	4	Biology Elective (300-level or higher)	4
	Elective (300-level or higher)	3	Bisc 498. Major Field Achievement Test	0
	Elective	3	Elective (300-level or higher)	3
	Minor Field of Study	3	Minor Field of Study (300 level or higher)	3
	Elective	2	Minor Field of Study	3
	<b>TOTAL CREDIT HOURS</b>	<b>15</b>	<b>TOTAL CREDIT HOURS</b>	<b>13</b>

**INFORMATION CONCERNING COLLEGE OF LIBERAL ARTS REQUIREMENTS:**

- An overall 2.0 GPA or higher is required on all coursework applied toward the major and minor. In some majors and minors, a minimum grade of C is required for each course.
- Double majors may not count courses toward both majors. The same course may not count towards a major and minor field of study.
- General education courses may also satisfy requirements towards a major or minor.
- Each senior must apply for a degree by returning a completed Degree Application Form to the College of Liberal Arts Student Services Office in the semester preceding the semester in which the student expects to graduate.
- Refer to the College of Liberal Arts Academics and Admissions section in the catalog for all College rules associated with the B.A. degree, such as residency requirements for majors and minors.

**INFORMATION CONCERNING GENERAL RULES, REGULATIONS AND MINIMUM REQUIREMENTS**

- An overall 2.0 GPA or higher is required on all work attempted at UM, all college work attempted at any institution of higher learning (UM and transfer work), and all coursework submitted toward the degree.
- At least 25% of the hours required for an undergraduate degree must be taken in residence, with at least 15 of the last 21 credit hours completed at UM.
- At least one-third of the hours applied toward a degree must be at the 300-, 400-, or 500-level. For example, a student qualifying for a degree with 120 semester hours must show at least 40 hours of work at the 300 level or above.
- In addition, at least 30 semester hours of residence credit must be taken in the school or college recommending the degree.
- The limit on the acceptance of credit from a junior or community college is one-half the total requirements for a degree.

**Refer to the Undergraduate Academic Regulations section in the catalog for all university degree requirements.**