For Students Entering the Oklahoma State System for Higher Education:
Summer 2018 through Spring 2019

MINIMUM CREDIT HOURS AND GRADE POINT AVERAGES REQUIRED

<table>
<thead>
<tr>
<th>Total Hours —</th>
<th>120</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper-Division Within Total</td>
<td>48</td>
</tr>
<tr>
<td>Major Hours —</td>
<td>30</td>
</tr>
<tr>
<td>Grade Point Averages:</td>
<td></td>
</tr>
<tr>
<td>Overall &amp; Major: Combined OU/Transfer:</td>
<td>2.00</td>
</tr>
<tr>
<td>OU -</td>
<td>2.00</td>
</tr>
<tr>
<td>48 Upper-Division Hours REQUIRED</td>
<td></td>
</tr>
</tbody>
</table>

**GENERAL EDUCATION AND COLLEGE REQUIREMENTS**

Courses graded P/NP will not apply.

**University-Wide General Education (minimum 40 hours) and College of Arts and Sciences Requirements**

Core Area I: Symbolic and Oral Communication (9-22 hours, 3-6 courses)
- English Composition (6 hours, 2 courses)
  1. English 1113, Principles of English Composition
  2. English 1213, Principles of English Composition, or EXPO 1213, Expository Writing

Core Area II: Foreign Language (0-13 hours in the same language)
- The College of Arts and Sciences requirement *cannot be met by high school coursework.*
- 1. Beginning Course (0-5 hours)
- 2. Beginning Course, continued (0-5 hours)
- 3. Intermediate Course (2000 level, 0-3 hours)
- Each course at the intermediate level or demonstrated competency at that level.

Core Area III: Social Science (6 hours, 2 courses)
- Political Science 1113, American Federal Government
- ________________

Core Area IV: Humanities (18 hours, 6 courses)
- Understanding Artistic Forms (3 hours, 1 course)
- Western Civilization and Culture (6 hours, 2 courses)
  1. History 1483, U.S., 1492-1865, or History 1493, U.S., 1865-Present
  2. ________________ (excluding HIST 1483 and 1493)
- Non-Western Culture (3 hours, 1 course)
- Additional Core IV Humanities courses (6 upper-division hours, 2 courses at the 3000-4000 level). Must be outside the major and selected from Understanding Artistic Forms, Western Civilization and Culture, or Non-Western Culture.
- 1. ________________
- 2. ________________

Core Area V: Senior Capstone Experience (3 hours, 1 course)
- College of Arts and Sciences Requirements: College requirements are not automatically fulfilled by a previous degree.

**MAJOR REQUIREMENTS**

MBIO 2815 will not be accepted for major credit.

A total of 30 hours in microbiology is required, which must include the following.

**MICROBIOLOGY**

- 3812 Fund. of Microbiology Laboratory
- 3813 Fund. of Microbiology
- 4823 Pathogenic Microbiology and Infectious Disease
- 4843 Intro. to Molecular Biology
- 4853 Physiology of Microorganisms

One capstone course or two semesters of Senior Thesis:

- 4893 Capstone in Microbiology
- 4950 Senior Thesis - Capstone

**MAJOR SUPPORT REQUIREMENTS**

A grade of C or better must be earned in each Microbiology course presented for major credit and in the required supporting courses.

**CHEMISTRY**

- 1315 General Chemistry
- 1415 General Chemistry continued
- 3053 Organic Chemistry I: Biological
- 3152 Organic Chemistry Lab: Biological
- 3153 Organic Chemistry II: Biological
- 3653 Introduction to Biochemistry

**PHYSICS**

- 1131 General Physics Lab I
- 1321 General Physics Lab II
- 2414 General Physics for Life Science
- 2424 General Physics for Life Science

**MATH**

- 1743 Calculus I for Business, Life and Social Sciences

**PLANT BIOLOGY**

- 1114 General Botany

**BIOTECHNOLOGY OR BIOLOGY**

- 1134 Introductory Biology: Evolution, Ecology, & Diversity

**FREE ELECTIVES**

Electives to bring total applicable hours to 120 including 48 upper-division hours.
### INFORMATION CONCERNING GENERAL RULES, REGULATIONS AND MINIMUM REQUIREMENTS

**TOTAL HOURS:** A minimum of 120 semester hours acceptable toward graduation must be completed.

**UPPER-DIVISION HOURS:** A minimum of 48 upper-division semester hours acceptable toward graduation must be completed. OU courses numbered 3000 or above are upper-division. Transfer work is counted as lower-division or upper-division credit depending on the level at which it was offered at the institution where it was earned. Two-year college work is accepted only as lower-division credit.

**ARTS AND SCIENCES HOURS:** At least 80 semester hours of liberal arts and sciences courses are required for a BA degree. At least 55 semester hours of liberal arts and sciences courses are required for a BS degree.

**MAJOR WORK:** A minimum of 30 semester hours must be earned in the major, including a minimum of 15 credit hours at the upper-division level.

**PASS/NO PASS ENROLLMENT:** A maximum of 16 semester hours of free elective credit may be attempted under this option.

**INDIVIDUAL STUDIES (e.g., courses titled “Independent Study”):** A maximum of 12 total semester hours may be counted toward graduation, excluding Honors Reading and Honors Research.

**P.E. COURSES:** No physical education activity courses will be counted toward the 120 semester hours of acceptable credit for graduation.

**SENIOR INSTITUTION HOURS:** A minimum of 60 semester hours applied toward graduation must be earned at senior (4-year) institutions.

**RESIDENCY:**
- At least 15 of the final 30 hours applied toward the degree or at least 50 percent of the hours required by the institution in the major field must be satisfactorily completed at the awarding institution.
- At least 15 semester hours of upper-division major work must be completed in residence at OU.
- OU correspondence courses are not considered resident credit.
- Credits earned via examination are neither resident nor nonresident credit.

**GRADE POINT AVERAGES:** Students must earn a minimum overall 2.00 for each of the following: Combined Retention GPA (all college grades), OU Retention GPA, GPA for all major courses, and GPA for all major courses taken at OU. Some schools and departments of the College have higher minimum grade point averages required for their students.

**SPECIAL DEGREES:** Students may qualify for an Honors degree (cum Laude, Magna cum Laude, or Summa cum Laude) by completing specific requirements of the Honors College. A degree will be earned with Distinction if the student completes at least 60 semester hours at OU with at least a 3.60 combined retention GPA and OU retention GPA. A degree will be earned with Special Distinction if the student completes at least 60 semester hours at OU with at least a 3.90 combined retention GPA and OU retention GPA.

**APPLICATION FOR GRADUATION:** Students must apply for graduation during the term in which they complete their degree requirements in order to graduate in that term.

The graduation application is available online on your Ozone site. Deadlines for the OU Graduation Application are:
- **APPLICATION FOR GRADUATION:**
  - October 1
  - July 1

**HONORS DEGREES** (BA/BS)

A minimum of 48 upper-division semester hours acceptable toward graduation must be completed. OU courses numbered 3000 or above are upper-division. Transfer work is counted as lower-division or upper-division credit depending on the level at which it was offered at the institution where it was earned. Two-year college work is accepted only as lower-division credit. A minimum of 12 to total semester hours may be counted toward graduation, excluding Honors Reading and Honors Research.

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  - October 1
  - July 1

**Roll Mention:** Students who transfer from other institutions (particularly community colleges) must verify credit hour and course requirements with their college academic counselor.

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  - October 1
  - July 1

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

**TOTAL CREDIT HOURS:**

<table>
<thead>
<tr>
<th>Year</th>
<th>FIRST SEMESTER</th>
<th>Hours</th>
<th>SECOND SEMESTER</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRESHMAN</td>
<td>CHEM 1315, General Chemistry</td>
<td>5</td>
<td>CHEM 1415, General Chemistry continued</td>
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<tr>
<td></td>
<td>ENGL 1113, Principles of English Composition (Core I)</td>
<td>3</td>
<td>ENGL 1213, Principles of English Composition (Core I), or</td>
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<td></td>
<td>MATH 1743, Calculus I for Business, Life and Social Sciences (Core I)</td>
<td>3</td>
<td>EXPO 1213, Expository Writing (Core I)</td>
<td>3</td>
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<td>Beginning Foreign Language (Core I)</td>
<td>5</td>
<td>Beginning Foreign Language continued (Core I)</td>
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<tr>
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<td><strong>TOTAL CREDIT HOURS</strong></td>
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<td><strong>TOTAL CREDIT HOURS</strong></td>
<td>16</td>
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<tr>
<td>SOPHOMORE</td>
<td>CHEM 3053, Organic Chemistry I: Biological Emphasis</td>
<td>3</td>
<td>BIOL 1134, Intro. Biology: Evolution, Ecology and Diversity, or</td>
<td>4</td>
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<tr>
<td></td>
<td>PHYS 1311, General Physics Lab I</td>
<td>1</td>
<td>PHYS 1114, General Botany</td>
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<td></td>
<td>PHYS 2414, General Physics for Life Sciences Oriented Majors</td>
<td>3</td>
<td>CHEM 3153, Organic Chemistry II: Biological Emphasis</td>
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<td>Intermediate Foreign Language</td>
<td>3</td>
<td>CHEM 3152, Organic Chemistry Lab: Biological</td>
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<td>Understanding Artistic Forms (Core IV)</td>
<td>3</td>
<td>PHYS 1321, General Physics Lab II</td>
<td>1</td>
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<td><strong>TOTAL CREDIT HOURS</strong></td>
<td>14</td>
<td>PHYS 2424, General Physics for Life Sciences Oriented Majors</td>
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<td><strong>TOTAL CREDIT HOURS</strong></td>
<td>17</td>
<td>Social Science (Core III)</td>
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**JUNIOR**

<table>
<thead>
<tr>
<th>Year</th>
<th>FIRST SEMESTER</th>
<th>Hours</th>
<th>SECOND SEMESTER</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>CHEM 3633, Introduction to Biochemistry</td>
<td>3</td>
<td>CHEM 3753, Introduction to Biochemical Methods</td>
<td>3</td>
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<tr>
<td></td>
<td>MBIO 3813, Fundamentals of Microbiology</td>
<td>3</td>
<td>MBIO 4813, Ecology &amp; Pathogenic Microbiology Laboratory</td>
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<td>MBIO 3812, Fundamentals of Microbiology Laboratory</td>
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<td>MBIO 4843, Introduction to Molecular Biology</td>
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<td>MBIO Major Elective</td>
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<td>MBIO Major Elective</td>
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<td></td>
<td>Non-Western Culture (Core IV)</td>
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<td>Western Civilization &amp; Culture (Core IV)</td>
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<td></td>
<td><strong>TOTAL CREDIT HOURS</strong></td>
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<td><strong>TOTAL CREDIT HOURS</strong></td>
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**SENIOR**

<table>
<thead>
<tr>
<th>Year</th>
<th>FIRST SEMESTER</th>
<th>Hours</th>
<th>SECOND SEMESTER</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>HIST 1483, United States 1492-1865, or</td>
<td>3</td>
<td>MBIO 4853, Physiology of Microorganisms</td>
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<tr>
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<td>1493, United States 1865-Present (Core IV)</td>
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<td>MBIO 4893, Capstone in Microbiology (Capstone), or</td>
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<td>MBIO 4823, Pathogenic Microbiology and Infectious Disease</td>
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<td>4950, Senior Thesis-Capstone</td>
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<tr>
<td></td>
<td>MBIO Major Elective</td>
<td>2</td>
<td>Humanities, upper-division, outside major (Gen. Ed.)</td>
<td>3</td>
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<tr>
<td></td>
<td>Humanities, upper-division, outside major (Gen. Ed.)</td>
<td>2</td>
<td>Free Elective, lower- or upper-division</td>
<td>3</td>
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<tr>
<td></td>
<td>Free Elective, lower- or upper-division</td>
<td>3</td>
<td>Free Elective, upper-division (3000-4000-level)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL CREDIT HOURS</strong></td>
<td>14</td>
<td><strong>TOTAL CREDIT HOURS</strong></td>
<td>15</td>
</tr>
</tbody>
</table>

**Bachelor’s degrees require a minimum of 48 hours of upper-division (3000-4000) coursework.**

This plan of study should not be used in lieu of academic advisement.

**Students who transfer from other institutions (particularly community colleges) must verify credit hour and course requirements with their college academic counselor.**


Please make an appointment for a degree check with your college academic counselor once you have earned 90 hours. Appointments may be scheduled at https://iadvisec.ou.edu/.