Minimum Credit Hours and Grade Point Averages Required

<table>
<thead>
<tr>
<th>Total Hours —</th>
<th>136</th>
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<tbody>
<tr>
<td>Major Hours —</td>
<td>39</td>
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Grade Point Averages:

- Overall: 3.00
- Major: 3.00

Overall and Major: Combined OU/Transfer - 3.00 OU - 3.00

48 Upper-Division Hours REQUIRED

OU encourages students to complete at least 28 hours of applicable coursework each year to have the opportunity to graduate in five years.

No more than 8 hours may carry a grade lower than B. No course at the 4000-level or higher with a grade lower than C may be applied to the program.

GENERAL EDUCATION AND COLLEGE REQUIREMENTS

Courses graded P/NP will not apply.

Courses for fulfillment of General Education and College of Arts & Sciences requirements must be from the approved General Education course list published in the Class Schedule or at http://www.ou.edu/enrollment/home/

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)

- a. English Composition (6 hours, 2 courses)
  1. English 1113, Principles of English Composition
  2. English 1213, Principles of English Composition, or
  
- b. Foreign Language (0-13 hours in the same language)
  
- c. Mathematics (3 hours, 1 course)

Core Area II: Natural Science (7 hours, 2 courses) including one laboratory component

1. Biological Science
   - Chosen from the following approved General Education designators: BIOL, HES, MBIO, or MBIO.
2. Physical Science
   - Chosen from the following approved General Education designators: AGSC, ASTR, CHEN, GEOG, GEOI, CPHY, METR, or PHYS.

Core Area III: Social Science (6 hours, 2 courses)

1. Political Science 1113, American Federal Government
2. 

Core Area IV: Humanities (18 hours, 6 courses)

a. Understanding Artistic Forms (3 hours, 1 course)

b. Western Civilization and Culture (6 hours, 2 courses)

1. History 1483, U.S., 1492-1865, or History 1493, U.S.S., 1865-Present,
2. 

c. Non-Western Culture (3 hours, 1 course);

- d. 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.

Some courses required for the major may also fulfill University General Education and/or College of Arts & Sciences Requirements

<table>
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<tr>
<th>MAJOR REQUIREMENTS</th>
<th>BS and MS REQUIREMENTS</th>
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<tbody>
<tr>
<td><strong>MATH:</strong> 2423 Calculus &amp; Analytic Geometry I</td>
<td><strong>BIOSTATISTICS &amp; EPIDEMIOLOGY:</strong> BSE 5001 Problems in Biostatistics &amp; Epid.</td>
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<tr>
<td>2423 Calculus &amp; Analytic Geometry II</td>
<td>1</td>
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<tr>
<td>2433 Calculus &amp; Analytic Geometry III</td>
<td>BSE 5113 Principles of Epidemiology</td>
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<tr>
<td>2443 Discrete Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>3333 Linear Algebra I</td>
<td>BSE 5163 Biostatistical Methods I</td>
</tr>
<tr>
<td>4073 Numerical Analysis</td>
<td>BSE 5173 Biostatistical Methods II</td>
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<tr>
<td>3113 Intro to Ord. Diff. Equations, or 3413 Physical Mathematics</td>
<td>BSE 5193 Intermediate Epidemiology Methods</td>
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<tr>
<td>4323 Intro to Abstract Algebra I</td>
<td>BSE 5980 Research for Master’s Thesis</td>
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<tr>
<td>4383 Applied Modern Algebra</td>
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<tr>
<td>4433 Intro to Analysis I</td>
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**NOTE:** The major’s thesis also satisfies the senior capstone requirement for the bachelor’s degree. No more than three hours earned of BSE 5980 may be applied toward the dual degree program.

Additional Graduate Requirements

**Major Support Requirements**

- Students may substitute MATH 1914, 2423, and 2443 for 1823, 2423, 2

- **Free Electives**

- A minimum of 16 hours must be chosen in consultation with adviser.

- Six hours of math or biostatistics chosen in consultation with adviser from the following: 5783 or BSE 5663, 5793 or BSE 6663, BSE 5663, BSE 6643.

- BSE elective chosen from any BSE course (excluding 5103, 5950, and 6850) that has not been taken to fulfill other requirements.
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: March 1 for Spring certification and the University of Oklahoma Commencement book; July 1 for Summer graduation certification; and, October 1 for Fall graduation certification.

Refer to the OU General Catalog for more complete information.

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Sophomore Year</th>
<th>Junior Year</th>
<th>Senior Year</th>
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<thead>
<tr>
<th></th>
<th>Total</th>
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<tbody>
<tr>
<td>Hours</td>
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