

**REQUIREMENTS FOR THE ACCELERATED
COLLEGE OF ATMOSPHERIC AND GEOGRAPHIC SCIENCES
THE UNIVERSITY OF OKLAHOMA**

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|--|--|----------------------------------|-----|------------------------------------|----|---|--|---------------------------------|------|-------------------------------|------|---|
| <p style="text-align: center;">Academic Year</p> <p>For Students Entering the Oklahoma State System for Higher Education Summer 2026 through Spring 2027</p> | <p style="text-align: center;">General Requirements</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td>Minimum Total Credit Hours</td> <td style="text-align: right;">140</td> </tr> <tr> <td>Minimum Upper-Division Hours</td> <td style="text-align: right;">40</td> </tr> <tr> <td colspan="2">Minimum Retention/Graduation Grade Point Averages:</td> </tr> <tr> <td>Overall - Combined and OU</td> <td style="text-align: right;">3.00</td> </tr> <tr> <td>Major - Combined and OU</td> <td style="text-align: right;">3.00</td> </tr> </table> | Minimum Total Credit Hours | 140 | Minimum Upper-Division Hours | 40 | Minimum Retention/Graduation Grade Point Averages: | | Overall - Combined and OU | 3.00 | Major - Combined and OU | 3.00 | <p style="text-align: center;">Program</p> <p style="text-align: center;">Geospatial Science, B.S./M.R.C.P.</p> <p style="text-align: center;">A487/F817Q279</p> <p style="text-align: center;">Accelerated</p> |
| Minimum Total Credit Hours | 140 | | | | | | | | | | | |
| Minimum Upper-Division Hours | 40 | | | | | | | | | | | |
| Minimum Retention/Graduation Grade Point Averages: | | | | | | | | | | | | |
| Overall - Combined and OU | 3.00 | | | | | | | | | | | |
| Major - Combined and OU | 3.00 | | | | | | | | | | | |

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

Minimum Total Credit Hours: 140
Minimum Upper-Division Hours: 40
Overall GPA - Combined and OU: 3.00
Major GPA - Combined and OU: 3.00
Program Code: A487/F817Q279

| | |
|---|--------------|
| or HIST 1493 United States, 1865 to the Present | |
| Choose one course from the General Education Western Culture list (excluding HIST 1483 & HIST 1493) | 3 |
| <i>World Culture (3 hours)</i> | |
| Choose one course from the General Education World Culture list ¹ | 3 |
| Core Area V: First Year Experience (3 hours) | |
| AGSC 1513 Where the Land Meets the Sky ² | 3 |
| Total Credit Hours | 37-47 |

General Education and College Requirements

Courses for fulfillment of General Education and college requirements must be from the approved General Education course list at <http://www.ou.edu/content/gened/courses.html>. **Courses graded P/NP will not apply**

MINIMUM OF 40 HOURS REQUIRED FOR UNIVERSITY-WIDE GENERAL EDUCATION

At least three hours of Upper-Division General Education coursework must be completed **outside the major**.

| Code | Title | Credit Hours |
|------|-------|--------------|
|------|-------|--------------|

Core Area I: Symbolic and Oral Communication

| | | |
|--------------------------------------|-----------------------------------|---|
| <i>English Composition (6 hours)</i> | | |
| ENGL 1113 | Principles of English Composition | 3 |
| ENGL 1213 | Principles of English Composition | 3 |
| or EXPO 1213 | Expository Writing | |

| | | |
|---|--|-----|
| <i>Language (0-10 hours)</i> | | |
| (0-10 hours in the same language) Students who have not completed two years of the same language in high school are required to take two college courses in the same language | | |
| Beginning Course | | 0-5 |
| Beginning Course, continued | | 0-5 |

| | | |
|--|--|---|
| <i>Mathematics (minimum 3 hours)</i> | | |
| Choose one course from General Education Mathematics list ¹ | | 3 |

| | | |
|--|--|---|
| Core Area II: Natural Science (7 Hours) | | |
| Choose two courses, each from different disciplines, including one with laboratory component. ¹ | | 7 |

| | | |
|---|-----------------------------|---|
| Core Area III: Social Science (6 hours) | | |
| P SC 1113 | American Federal Government | 3 |
| Choose one course from General Education Social Science list ¹ | | 3 |

| | | |
|---|-----------------------|---|
| Core Area IV: Arts and Humanities | | |
| <i>Artistic Forms (3 hours)</i> | | |
| Choose one course from the General Education Artistic Forms list ¹ | | 3 |
| <i>Western Culture (6 hours)</i> | | |
| HIST 1483 | United States to 1865 | 3 |

¹ To be chosen from the University-Wide General Education Approved Course List. Three hours of general education must be upper-division outside of the major.

² If a student transfers into the program after already taking an approved OU FYE course they will not be required to take AGSC 1513

Free Electives

Electives to bring total applicable hours to 140 including 40 upper-division hours.

Undergraduate Requirements

MAJOR REQUIREMENTS

A grade of C or better must be earned in each course counted for major credit.

| Code | Title | Credit Hours |
|---|---|--------------|
| Core | | |
| GIS 1313 | Computers and Programs for Environmental Professionals | 3 |
| GIS 2023 | Introduction to Spatial Thinking and Computer Mapping | 3 |
| GEOG 3023 | Principles of Physical Geography | 3 |
| GEOG 3213 | Principles of Human Geography | 3 |
| GEOG 3923 | Quantitative Methods | 3 |
| GEOG 4893 | Research and Professional Development | 3 |
| GEOG 4953 | Capstone | 3 |
| Major Requirements | | |
| GIS 4003 | Spatial Data Management for GIS Professionals | 3 |
| GIS 5013 | Fundamentals of Geographic Information Systems ¹ | 3 |
| GIS 4133 | Fundamentals of Remote Sensing | 3 |
| GIS 4253 | GIS Applications | 3 |
| or GIS 4243 | Remote Sensing Applications | |
| GIS 4453 | Advanced GIS and Spatial Analysis | 3 |
| or GIS 4233 | Digital Image Processing | |
| GIS 4653 | Spatial Programming and GIS | 3 |
| GIS 4923 | Spatial Statistics | 3 |
| Major Electives | | |
| Choose 6 hours of shared graduate 5000-level electives from GEOG, GIS or RCPL. ¹ | | 6 |
| Total Credit Hours | | 48 |

¹ Shared coursework: Students may share up to 24 hours of Graduate Credit, including GIS 5013 and 9 hours of graduate program electives (6 hours replace undergrad major electives), which counts toward both the undergraduate and graduate degrees.

Shared Electives: Choose up to 9 hours of 5000-level courses from GEOG, GIS or RCPL to apply to both the undergraduate and graduate degrees.

Major Support Requirements

Courses required for [Major Support Requirements](#) may also fulfill University-Wide General Education Requirements.

| Code | Title | Credit Hours |
|---------------------------|--|--------------|
| MATH 1523 | Precalculus and Trigonometry | 3 |
| PHYS 2414 | General Physics for Life Science Oriented Majors | 4 |
| or PHYS 2514 | General Physics for Engineering and Science Majors | |
| Total Credit Hours | | 7 |

MRCP Graduate Requirements

| Code | Title | Credit Hours |
|--------------------------------|---|--------------|
| RCPL 5013 | History and Theory of Urban Planning ¹ | 3 |
| RCPL 5063 | Planning with Diverse Communities | 3 |
| RCPL 5113 | Urban Planning Research Methods ¹ | 3 |
| RCPL 5173 | Urban and Regional Analysis ¹ | 3 |
| RCPL 5203 | Urban Land Use Controls ¹ | 3 |
| GIS 5013 | Fundamentals of Geographic Information Systems ¹ | 3 |
| Choose one of the following: | | 5 |
| RCPL 5525 | Comprehensive Regional And City Planning Project | |
| RCPL 5522 & RCPL 5523 | Comprehensive RCPL Project: Reporting and Implementation and Comprehensive RCPL Project: Research and Plan Making | |
| <i>Program Electives</i> | | |
| Choose 21 hours ^{1,2} | | 21 |
| Total Credit Hours | | 44 |

¹ Shared coursework: Students may share up to 24 hours of Graduate Credit (including GIS 5013 and 9 hours of graduate program electives) which counts toward both the undergraduate and graduate degrees. GIS 5013 (also listed as BS major requirement) replaces MRCP requirement for RCPL 5463.

² Shared Electives: Choose up to 9 hours of 5000-level courses from GEOG, GIS or RCPL to apply to both the undergraduate and graduate degrees.

More information in the catalog: (<http://ou-public.courseleaf.com/atmospheric-geographic-sciences/geography-environmental-sustainability/geospatial-science-bachelor-science-master-regional-city-planning/>).

Information Concerning General Rules, Regulations and Minimum Requirements for Undergraduate Degrees

Total Hours: A minimum of 120 semester hours acceptable toward graduation must be completed.

Upper-Division Hours: A minimum of 40 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.

Senior Institution Hours: A minimum of 60 semester hours applied toward graduation must be earned at senior (4-year) institutions.

Residency:

- A minimum of two semesters must be spent in residence in the College of Atmospheric and Geographic Sciences.
- At least 36 of the last 48 hours must be completed in residence at OU.

Individual Studies: No more than six hours of independent study or directed readings may be applied toward degree requirements.

Grade Point Averages: Students must earn a minimum overall 2.25 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.

Suggested Semester Plan of Study

This plan shows one possible grouping of courses that would allow students to graduate in four years. Please refer to the front of the degree checksheet for official requirements. Students must consult with College of Atmospheric and Geographic Sciences and/or Department of Geography & Environmental Sustainability academic advisors to verify that courses selected each semester fulfill the recommended plan and satisfy university, College of Atmospheric & Geographic Sciences, and Geospatial Science major requirements.

| Year | FIRST SEMESTER | | Hours | SECOND SEMESTER | | Hours |
|------------|----------------------|---|-----------|------------------------|--|-----------|
| FRESHMAN | ENGL 1113 | Principles of English Composition (Core I) | 3 | ENGL 1213 or EXPO 1213 | Principles of English Composition (Core I) or Expository Writing | 3 |
| | AGSC 1513 | Where the Land Meets the Sky | 3 | P SC 1113 | American Federal Government (Core III) | 3 |
| | MATH 1523 | Precalculus and Trigonometry | 3 | | Social Science (Core III) ¹ | 3 |
| | | Artistic Forms (Core IV) ¹ | 3 | | World Culture (Core IV) ¹ | 3 |
| | | Free Elective | 3 | | Free Elective | 3 |
| | CREDIT HOURS | | 15 | CREDIT HOURS | | 15 |
| SOPHOMORE | GIS 1313 | Computers and Programs for Environmental Professionals | 3 | HIST 1483 or HIST 1493 | United States to 1865 or United States, 1865 to the Present | 3 |
| | GIS 2023 | Introduction to Spatial Thinking and Computer Mapping (Choose one course from General Education Natural Science list) | 3 | PHYS 2414 or PHYS 2514 | General Physics for Life Science Oriented Majors or General Physics for Engineering and Science Majors | 4 |
| | | Beginning Language | 5 | | Beginning Language Ctd | 5 |
| | | Free Elective | 3 | | Western Culture (Core IV) ¹ | 3 |
| | CREDIT HOURS | | 14 | CREDIT HOURS | | 15 |
| JUNIOR | GEOG 3023 | Principles of Physical Geography | 3 | GEOG 3213 | Principles of Human Geography | 3 |
| | GIS 4133 | Fundamentals of Remote Sensing | 3 | GEOG 3923 | Quantitative Methods | 3 |
| | | Natural Science with lab (Core II) ¹ | 4 | GIS 4003 | Spatial Data Management for GIS Professionals | 3 |
| | GIS 5013 | Fundamentals of Geographic Information Systems ² | 3 | | Shared Graduate Elective ² | 3 |
| | RCPL 5013 | History and Theory of Urban Planning ² | 3 | | Shared Graduate Elective ² | 3 |
| | CREDIT HOURS | | 16 | CREDIT HOURS | | 15 |
| SENIOR | GEOG 4893 | Research and Professional Development | 3 | GEOG 4953 | Capstone | 3 |
| | GIS 4653 | Spatial Programming and GIS | 3 | GIS 4453 or GIS 4233 | Advanced GIS and Spatial Analysis or Digital Image Processing | 3 |
| | GIS 4923 | Spatial Statistics | 3 | RCPL 5173 | Urban and Regional Analysis ² | 3 |
| | GIS 4253 or GIS 4243 | GIS Applications or Remote Sensing Applications | 3 | RCPL 5203 | Urban Land Use Controls ² | 3 |
| | RCPL 5113 | Urban Planning Research Methods ² | 3 | | Shared Graduate Elective ² | 3 |
| | CREDIT HOURS | | 15 | CREDIT HOURS | | 15 |
| FIFTH YEAR | RCPL 5523 | Comprehensive RCPL Project: Research and Plan Making | 3 | RCPL 5063 | Planning with Diverse Communities | 3 |
| | | Graduate Elective ³ | 3 | RCPL 5522 | Comprehensive RCPL Project: Reporting and Implementation | 2 |
| | | Graduate Elective ³ | 3 | | Graduate Elective ³ | 3 |
| | | Graduate Elective ³ | 3 | | | |
| | CREDIT HOURS | | 12 | CREDIT HOURS | | 8 |

¹ To be chosen from the University-Wide General Education Approved Course List. Three hours of general education must be upper-division outside the major.

² Shared coursework (24 hours): These courses are shared between the undergraduate and graduate degrees within GEOG, GIS and RCPL disciplines.

4 Requirements for the Accelerated

³ Choose from 5000-level GEOG, GIS and/or RCPL courses.