

REQUIREMENTS FOR THE BACHELOR OF SCIENCE/MASTER OF REGIONAL & CITY PLANNING COLLEGE OF ATMOSPHERIC AND GEOGRAPHIC SCIENCES THE UNIVERSITY OF OKLAHOMA

| Academic Year | General Requirements | Program |
|--|--|--|
| For Students Entering the Oklahoma State System for Higher Education Summer 2024 through Spring 2025 | Minimum Total Credit Hours 149 Minimum Upper-Division Hours 40 Minimum Retention/Graduation Grade Point Averages: Overall - Combined and OU 3.00 Major - Combined and OU 3.00 | Environmental Sustainability: Planning & Management A410 P516/F817 Q229 Bachelor of Science/Master of Regional & City Planning |

OU encourages students to complete at least 30 hours of applicable coursework each year to have the opportunity to graduate in 5 years.

Minimum Total Credit Hours: 149
Minimum Upper-Division Hours: 40

Overall GPA - Combined and OU: 3.00
Major GPA - Combined and OU: 3.00

Program Code: A410 P516/F817 Q229

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**

UNIVERSITY-WIDE GENERAL EDUCATION (MINIMUM 40 HOURS) AND COLLEGE REQUIREMENTS

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> | | |
| MATH 1743 | Calculus I for Business, Life and Social Sciences 1,2 | 3 |
| or MATH 1823 | Calculus and Analytic Geometry I | |
| Core Area II: Natural Science (minimum 7 hours, 2 courses) | | |
| CHEM 1315 | General Chemistry (Science with Lab) ¹ | 5 |
| PHYS 2414 | General Physics for Life Science Oriented Majors ¹ | 4 |
| or PHYS 2514 | General Physics for Engineering and Science Majors | |
| Core Area III: Social Science (6 hours) | | |
| P SC 1113 | American Federal Government | 3 |
| Choose one course from the General Education Social Science list | | 3 |
| Core Area IV: Arts and Humanities | | |
| <i>Artistic Forms (3 hours)</i> | | |

| | | |
|---|------------------------------------|--------------|
| Choose one course from the General Education Artistic Forms list. | | 3 |
| <i>Western Culture (6 hours)</i> | | |
| HIST 1483 | United States to 1865 | 3 |
| or HIST 1493 | United States, 1865 to the Present | |
| Choose one course from the General Education Western Culture list (Excluding HIST 1483 and HIST 1493) | | 3 |
| <i>World Culture (3 hours)</i> | | |
| Choose one course from the General Education World Culture list | | 3 |
| Core Area V: First Year Experience (3 hours) | | |
| Choose one course | | 3 |
| Total Credit Hours | | 39-49 |

¹ College of Atmospheric and Geographic Sciences requirements.
² MATH 1914 will also fulfill the College's calculus requirement.

ADDITIONAL COLLEGE BACHELOR OF SCIENCE REQUIREMENTS

| Code | Title | Credit Hours |
|---------------------------|--------------------|--------------|
| GEOG 1114 | Physical Geography | 4 |
| Total Credit Hours | | 4 |

Free Electives

Electives to bring total applicable hours to 149 including 40 upper-division hours.

Undergraduate Requirements

MAJOR REQUIREMENTS

| Code | Title | Credit Hours |
|--|--|--------------|
| Core | | |
| GEOG 1203 | Global Environmental Issues | 3 |
| GEOG 2021 | Exploring DGES | 1 |
| GEOG 3233 | Principles of Sustainability | 3 |
| GEOG 3443 | Environment and Society | 3 |
| GEOG 3923 | Quantitative Methods | 3 |
| GIS 2023 | Introduction to Spatial Thinking and Computer Mapping | 3 |
| GEOG 4523 | Life Cycle Analysis | 3 |
| GEOG 4893 | Research and Professional Development | 3 |
| GEOG 4953 | Capstone | 3 |
| Computer-Related | | |
| GIS 1313 | Computers and Programs for Environmental Professionals | 3 |
| Major Electives | | |
| Choose two of the following: | | 6 |
| GEOG 3043 | Living With Nature | |
| GEOG 3523 | Managing for a Changing Climate | |
| GEOG 3843 | Gender and Environment | |
| GEOG 4033 | Human Impact on the Earth | |
| GEOG 4123 | Cities and Society | |
| GEOG 4423 | Environmental Justice | |
| GEOG 4583 | Energy Systems and Sustainability | |
| GEOG 4653 | Urban Sustainability: Nature, Justice, and the City | |
| GEOG 4663 | Water and Society | |
| Planning & Management | | |
| Choose a minimum of 9 hours, including at least 6 hours of GEOG courses, from the Planning and Management Approved Course List (p.) | | 9 |
| Total Credit Hours | | 43 |

MAJOR SUPPORT REQUIREMENTS

- Courses required for major support may *not* also fulfill University-Wide General Education Requirements.

| Code | Title | Credit Hours |
|--|-------|--------------|
| Upper-Division Science Electives | | |
| Choose a minimum of 15 hours of 3000-4000-level courses to be chosen from a list of approved courses maintained by the department. | | 15 |
| Total Credit Hours | | 15 |

Shared Hours

These 15 hours of Graduate Credit count towards both the undergraduate and graduate degrees:

| Code | Title | Credit Hours |
|---------------------------|--|--------------|
| GIS 5013 | Fundamentals of Geographic Information Systems | 3 |
| RCPL 5013 | History and Theory of Urban Planning | 3 |
| RCPL 5063 | Planning with Diverse Communities | 3 |
| RCPL 5203 | Urban Land Use Controls | 3 |
| RCPL 5173 | Urban and Regional Analysis | 3 |
| Total Credit Hours | | 15 |

MRCP Component

| Code | Title | Credit Hours |
|------------------------------|---|--------------|
| RCPL 5113 | Urban Planning Research Methods | 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 | |
| Program Electives | | 21 |
| Total Credit Hours | | 29 |

More information in the catalog: (<http://ou-public.courseleaf.com/atmospheric-geographic-sciences/geography-environmental-sustainability/environmental-sustainability-planning-management-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 3.00 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.

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 academic advisors to verify that courses selected each semester fulfill the recommended plan and satisfy university, College of Atmospheric & Geographic Sciences, and Environmental Sustainability 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 |
| | HIST 1483 or HIST 1493 | United States to 1865 (Core IV) or United States, 1865 to the Present | 3 | P SC 1113 | American Federal Government (Core III) | 3 |
| | MATH 1823 or MATH 1743 | Calculus and Analytic Geometry I or Calculus I for Business, Life and Social Sciences | 3 | GEOG 1114 | Physical Geography | 4 |
| | GEOG 1203 | Global Environmental Issues | 3 | | General Education: Artistic Forms (Core IV) ¹ | 3 |
| | | First Year Experience (Core V) | 3 | | Free Elective | 3 |
| | CREDIT HOURS | | 15 | CREDIT HOURS | | 16 |
| SOPHOMORE | GEOG 2021 | Exploring DGES | 1 | PHYS 2414 or PHYS 2514 | General Physics for Life Science Oriented Majors or General Physics for Engineering and Science Majors | 4 |
| | GIS 2023 | Introduction to Spatial Thinking and Computer Mapping | 3 | GEOG 3443 | Environment and Society | 3 |
| | CHEM 1315 | General Chemistry | 5 | GIS 1313 | Computers and Programs for Environmental Professionals | 3 |
| | | General Education: Western Culture (Core IV) ¹ | 3 | | Free Elective, lower- or upper-division | 3 |
| | | Free Elective, lower- or upper-division | 3 | | Free Elective, lower- or upper-division | 4 |
| | CREDIT HOURS | | 15 | CREDIT HOURS | | 17 |
| JUNIOR | GEOG 3233 | Principles of Sustainability | 3 | GEOG 3923 | Quantitative Methods | 3 |
| | GIS 5013 | Fundamentals of Geographic Information Systems ² | 3 | GEOG 4523 | Life Cycle Analysis | 3 |
| | | Planning & Management Concentration course ³ | 3 | RCPL 5203 | Urban Land Use Controls ² | 3 |
| | | Upper Division Science Elective ⁴ | 3 | | Major Elective | |
| | | Upper Division Science Elective ⁴ | 3 | | Upper Division Science Elective ⁴ | 3 |
| | CREDIT HOURS | | 15 | CREDIT HOURS | | 15 |
| SENIOR | GEOG 4893 | Research and Professional Development | 3 | GEOG 4953 | Capstone | 3 |
| | RCPL 5013 | History and Theory of Urban Planning ² | 3 | RCPL 5173 | Urban and Regional Analysis ² | 3 |
| | RCPL 5113 | Urban Planning Research Methods | 3 | | Planning & Management Concentration course ³ | 3 |
| | | Major Elective | | | Upper Division Science Elective ⁴ | 3 |
| | | Planning & Management Concentration course ³ | 3 | | Graduate Elective | 3 |
| | General Education: World Culture (Core IV) ¹ | 3 | | | | |
| | CREDIT HOURS | | 15 | CREDIT HOURS | | 15 |
| FIFTH YEAR | | Choose one of the following: | 3-5 | RCPL 5063 | Planning with Diverse Communities ² | 3 |
| | RCPL 5525 | Comprehensive Regional And City Planning Project | | | Graduate Elective | 3 |
| | RCPL 5523 | Comprehensive RCPL Project: Research and Plan Making (Fa) ⁵ | | | Graduate Elective | 3 |
| | | Graduate Elective | 3 | | Graduate Elective | 3 |
| | | Graduate Elective | 3 | | Choose the following if RCPL 5523 taken in the Fall: | 0-2 |
| | | Graduate Elective | 3 | RCPL 5522 | Comprehensive RCPL Project: Reporting and Implementation | |
| | CREDIT HOURS | | 14 | CREDIT HOURS | | 12 |

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 These courses are shared between the undergraduate and graduate degrees.

³ A minimum of 12 hours, including at least 6 hours of GEOG courses, to be chose from the Planning and Management concentration approved course list.

⁴ A minimum of 15 hours of 3000-4000 -level courses to be chosen from the approved list of courses maintained by the department.

⁵ In addition to taking RCPL 5522 in the Spring.

Planning & Management Course List

A minimum of 9 hours of Planning & Management coursework is required in the undergraduate major, to be chosen from the following department maintained approved course list or other advisor-approved courses. **At two courses (6 hours) must be GEOG courses.**

| Code | Title | Credit Hours |
|-----------|---|--------------|
| B AD 2113 | Introduction to Business I | 3 |
| ECON 3213 | Environmental Economics | 3 |
| ENT 2113 | Innovation & Entrepreneurship | 3 |
| ENT 3113 | New Venture Development I | 3 |
| GEOG 4003 | The Global City and Planning Issues | 3 |
| GEOG 4333 | Corporate Environmental Strategy | 3 |
| GEOG 4343 | Climate, History, and Society | 3 |
| GEOG 4583 | Energy Systems and Sustainability | 3 |
| GEOG 4970 | Special Topics/Seminar (Topic: Environmental Economics) | 3 |
| HSTM 3473 | History of Ecology and Environmentalism | 3 |
| HSTM 3483 | Technology, Politics, and International Development | 3 |
| IAS 3073 | Global Economic Relations | 3 |
| IAS 3323 | The Political Economy of Development | 3 |
| IAS 3603 | Energy, Environment & Climate Change in China | 3 |
| IAS 3653 | Energy, Climate, and Security | 3 |
| METR 4553 | Climate and Renewable Energy | 3 |
| MGT 2013 | Introduction to Management | 3 |
| MKT 2013 | Introduction to Marketing and Supply Chain Management | 3 |
| NPNG 2033 | Introduction to Nonprofits | 3 |
| NPNG 3033 | Nonprofit Management | 3 |
| PHIL 3293 | Environmental Ethics | 3 |
| P SC 3020 | Problems in American Government and Politics | 3 |
| P SC 3133 | Politics and Public Administration | 3 |
| P SC 3193 | Nonprofits and Public Policy | 3 |
| P SC 3213 | Law, Politics, and Society | 3 |
| P SC 3233 | Environmental Policy and Administration | 3 |
| P SC 4193 | The Profession of Public Management | 3 |
| SOC 3643 | Population and Society | 3 |
| SOC 3893 | Environment, Ecology and Society | 3 |

Science Electives

| Code | Title | Credit Hours |
|-----------|---|--------------|
| ANTH 3873 | Primate Evolution and Behavior | 3 |
| ANTH 4593 | Anthropology of Human Reproduction | 3 |
| CEES 4243 | Water Technologies for Emerging Regions | 3 |
| CEES 4324 | Environmental Biology and Ecology | 4 |
| BIOL 3403 | Principles of Ecology | 3 |
| BIOL 3463 | Water and Ecological Sustainability | 3 |
| BIOL 3563 | Biological Conservation | 3 |
| BIOL 4423 | Stream Ecology | 3 |

| | | |
|---------------|--|---|
| BIOL 4463 | Lake Ecology | 3 |
| CHEM 3053 | Organic Chemistry I: Biological Emphasis | 3 |
| CHEM 3153 | Organic Chemistry II: Biological Emphasis | 3 |
| ENST 3303 | Food, Agriculture, and the Environment | 3 |
| ENST 3503 | Energy Use, Climate Change, and the Environment | 3 |
| ENST 3713 | Nature in the City | 3 |
| ENST 3743 | Biological Invasions and Society | 3 |
| GEOG 3023 | Principles of Physical Geography | 3 |
| GEOG 3043 | Living With Nature | 3 |
| GEOG 3523 | Managing for a Changing Climate | 3 |
| GEOG 4043 | Urban Climatology | 3 |
| GEOG 4183 | Patterns and Processes in Landscape Ecology | 3 |
| GEOG 4273 | Regional Climatology | 3 |
| GEOG 4283 | Biogeography | 3 |
| GEOG 4293 | Hydrologic Science | 3 |
| GEOG 4513 | Real-world Applications of Climate and Weather Information | 3 |
| GEOG 4943 | Natural Hazards | 3 |
| GEOL 3633 | Introduction to Oceanography | 3 |
| GEOL 3013 | The Geology of Oklahoma | 3 |
| GEOL 3033 | Earth Resources and the Environment | 3 |
| GEOL 4633 | Hydrogeology | 3 |
| GIS 4013 | Fundamentals of Geographic Information Systems | 3 |
| GIS 4133 | Fundamentals of Remote Sensing | 3 |
| GIS 4233 | Digital Image Processing | 3 |
| GIS 4253 | GIS Applications | 3 |
| GIS 4453 | Advanced GIS and Spatial Analysis | 3 |
| GIS 4733 | Environmental Remote Sensing | 3 |
| GIS 4833 | Environmental Spatial Modeling | 3 |
| METR 4443 | Introduction to Tropical Meteorology | 3 |
| METR 4533 | Earth's Past Climate | 3 |
| METR 4553 | Climate and Renewable Energy | 3 |
| METR 4713 | Private Sector Meteorology | 3 |
| MIS 3013 | Introduction to Programming | 3 |
| PBIO 3453 | Principles of Plant Ecology | 3 |
| PBIO 3534 | | 4 |
| PBIO 4733 | Environmental Remote Sensing | 3 |
| P SC/SOC 3123 | Social Statistics | 3 |