For Students Entering the Oklahoma State System for Higher Education:

Summer 2011 through Spring 2012

<table>
<thead>
<tr>
<th>UNIVERSITY-WIDE GENERAL EDUCATION (minimum 40 hours) and College of Atmospheric and Geographic Sciences Requirements</th>
<th>Courses graded P/NP will not apply.</th>
<th>University-Wide General Education (minimum 40 hours) and College of Atmospheric and Geographic Sciences Requirements</th>
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</thead>
<tbody>
<tr>
<td><strong>Core Area I: Symbolic and Oral Communication (9-19 hours, 3-5 courses)</strong></td>
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<tr>
<td>A. English Composition (6 hours, 2 courses)</td>
<td>1. English 1113, Principles of English Composition</td>
<td></td>
<td>1. Beginning Course (0-5 hours) ____________________________</td>
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<td></td>
<td>2. English 1213, Principles of English Composition, or</td>
<td>2. Beginning Course, continued (0-5 hours) ____________________________</td>
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<td></td>
<td>EXPO 1213, Expository Writing</td>
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<td>B. Foreign Language (0-10 hours in the same language)</td>
<td>Students who have not completed two years of the same foreign language in high school are required to take two college courses in the same foreign language.</td>
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<td>2. Beginning Course, continued (0-5 hours) ____________________________</td>
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<tr>
<td>C. Mathematics (3 hours, 1 course). *MATH 1823, Calculus &amp; Analytic Geometry I</td>
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<tr>
<td><strong>Core Area II: Natural Science (7 hours, 2 courses) including one laboratory component</strong></td>
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<tr>
<td>1. Biological Science: *CHEM 1315, General Chemistry</td>
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<td>2. Physical Science: *PHYS 2514, General Physics for Engr. &amp; Science Majors</td>
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<tr>
<td><strong>Core Area III: Social Science (6 hours, 2 courses)</strong></td>
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<tr>
<td>1. Political Science 1113, American Federal Government</td>
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<td>2. ____________________________</td>
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<tr>
<td><strong>Core Area IV: Humanities (12 hours, 4 courses)</strong></td>
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<tr>
<td>a. Understanding Artistic Forms (3 hours, 1 course) ____________________________</td>
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<tr>
<td>b. Western Civilization and Culture (6 hours, 2 courses)</td>
<td>1. History 1483, U.S., 1492-1865, or History 1493, U.S., 1865-Present,</td>
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<td>2. ____________________________ (excluding HIST 1483 and 1493)</td>
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<tr>
<td>c. Non-Western Culture (3 hours, 1 course): ____________________________</td>
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<tr>
<td><strong>Core Area V: Senior Capstone Experience (3 hours, 2 courses):</strong></td>
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<tr>
<td>1. METR 4911, Senior Seminar</td>
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<tr>
<td>2. METR 4922, Senior Seminar II</td>
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</tbody>
</table>

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

* College of Atmospheric and Geographic Sciences requirements

**Additional College of Atmospheric and Geographic Sciences Bachelor of Science Requirements:**

1. MATH 2423, Calculus & Analytic Geometry II (carries General Educ. credit)
2. MATH 2433, Calculus & Analytic Geometry III
3. MATH 2443, Calculus & Analytic Geometry IV
4. PHYS 2524, General Physics for Eng. & Science Majors
5. CS 1313, Programming for Non-Majors (fulfills Computer Literacy requirement)

MATH 1914, 2924, and 2934 will also fulfill the College’s calculus requirement.

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**General Requirements**

- Total Credit Hours: 125-126
- Minimum Retention/Graduation Grade Point Averages: 2.00
- Minimum in Major Coursework: 2.00
- Minimum in OU Coursework: 2.00
- Overall – Combined and OU: 2.00

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**Meteorology B685 Bachelor of Science in Meteorology**

**General Education and College of Atmospheric and Geographic Sciences Requirements**

<table>
<thead>
<tr>
<th>MAJOR REQUIREMENTS</th>
<th>MAJOR SUPPORT REQUIREMENTS</th>
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</thead>
<tbody>
<tr>
<td><strong>CORE (40 hours, 16 courses)</strong></td>
<td><strong>PHYS 1311, General Physics Lab I</strong></td>
</tr>
<tr>
<td><strong>METEOROLOGY COURSES</strong></td>
<td><strong>PHYS 1321, General Physics Lab II</strong></td>
</tr>
<tr>
<td>1111 Orientation to Professional Meteorology</td>
<td><strong>MATH 3413, Physical Mathematics I</strong></td>
</tr>
<tr>
<td>2011 Intro. to Meteorology I Lab</td>
<td><strong>METR 4313, Statistical Meteorology, or</strong></td>
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<tr>
<td>2013 Intro. to Meteorology I</td>
<td><strong>MATH 4753, Applied Statistical Methods</strong></td>
</tr>
<tr>
<td>2021 Intro. to Meteorology II Lab</td>
<td><strong>Communication Elective: one course from the following:</strong></td>
</tr>
<tr>
<td>2023 Intro. to Meteorology II</td>
<td><strong>COMM/1113, Princ. of Communication</strong></td>
</tr>
<tr>
<td>3113 Atmospheric Dynamics I: Intro. to Atmospheric Kinematics/Dynamics</td>
<td><strong>COMM/2163, Public Speaking</strong></td>
</tr>
<tr>
<td>3123 Atmospheric Dynamics II: Theory of Atmospheric Flows</td>
<td><strong>ENGL 3153, Technical Writing, or</strong></td>
</tr>
<tr>
<td>3213 Physical Meteorology I: Thermodynamics</td>
<td><strong>EXPO 1223, Expository Writing</strong></td>
</tr>
<tr>
<td>3223 Physical Meteorology II: Cloud Physics, Atmos. Electricity/Optics</td>
<td><strong>GEOL 3333, Geoscientific Computing</strong></td>
</tr>
<tr>
<td>3613 Meteorological Measurement Systems</td>
<td><strong>METR 3980, Honors Research</strong></td>
</tr>
<tr>
<td>4113 Atmospheric Dynamics III: Mid-Latitude Synoptic-Scale Dynamics</td>
<td><strong>JMC 2033, Writing for Mass Media</strong></td>
</tr>
<tr>
<td>4233 Physical Meteorology III: Radiation and Climate</td>
<td><strong>Science Elective: one course from the following:</strong></td>
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<tr>
<td>4424 Synoptic Meteorology Lab</td>
<td><strong>AGSC 1013, Extreme Weather &amp; Climate</strong></td>
</tr>
<tr>
<td>4433 Mesoscale Meteorology</td>
<td><strong>AGSC/GEOL 2014, The Earth System</strong></td>
</tr>
<tr>
<td>4911 Senior Seminar (Capstone)</td>
<td><strong>GEOL 1114, Physical Geology</strong></td>
</tr>
<tr>
<td>4922 Senior Seminar II (Capstone)</td>
<td><strong>ASTR 1504, General Astronomy</strong></td>
</tr>
</tbody>
</table>

*Electives may be used to fulfill the requirements for a minor, if desired, but must include at least nine hours of upper-division coursework.*

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**Free Electives**

Electives to bring total applicable hours to 125-126 including 48 upper-division hours.

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**Courses for fulfillment of General Education and College of Atmospheric & Geographic Sciences requirements must be from the approved General Education course list at [http://www.ou.edu/enrollment/home/classes_offered/general_education.html](http://www.ou.edu/enrollment/home/classes_offered/general_education.html).**

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**Courses graded P/NP will not apply.**

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

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**Courses may not be used to fulfill University-Wide General Education Requirements.**

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**Core Area I: Symbolic and Oral Communication (9-19 hours, 3-5 courses)**

- A. 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

- B. Foreign Language (0-10 hours in the same language)

- C. Mathematics (3 hours, 1 course). *MATH 1823, Calculus & Analytic Geometry I

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

- 1. Biological Science: *CHEM 1315, General Chemistry
- 2. Physical Science: *PHYS 2514, General Physics for Engr. & Science Majors

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

- 1. Political Science 1113, American Federal Government
- 2. ____________________________

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**Core Area IV: Humanities (12 hours, 4 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., 1865-Present,
  2. ____________________________ (excluding HIST 1483 and 1493)
- c. Non-Western Culture (3 hours, 1 course): ____________________________

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**Core Area V: Senior Capstone Experience (3 hours, 2 courses):**

- 1. METR 4911, Senior Seminar
- 2. METR 4922, Senior Seminar II

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

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**Science Elective: one course from the following:**

- AGSC 1013, Extreme Weather & Climate
- AGSC/GEOL 2014, The Earth System
- GEOL 1114, Physical Geology
- ASTR 1504, General Astronomy
- BOT 1114, General Botany
- CHEM 1415, General Chemistry (cont.)
- ZOO 1114, Introductory Zoology

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**Additional College of Atmospheric and Geographic Sciences Bachelor of Science Requirements:**

- 1. MATH 2423, Calculus & Analytic Geometry II (carries General Educ. credit)
- 2. MATH 2433, Calculus & Analytic Geometry III
- 3. MATH 2443, Calculus & Analytic Geometry IV
- 4. PHYS 2524, General Physics for Eng. & Science Majors
- 5. CS 1313, Programming for Non-Majors (fulfills Computer Literacy requirement)

MATH 1914, 2924, and 2934 will also fulfill the College’s calculus requirement.
INFORMATION CONCERNING GENERAL RULES, REGULATIONS AND MINIMUM REQUIREMENTS

TOTAL HOURS: A minimum of 125-126 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.

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:

STUDENT INDEPENDENT STUDIES:

RESIDENCY:

SENIOR INSTITUTION HOURS:

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 Geographical Sciences and/or School of Meteorology academic advisers to verify that courses selected each semester fulfill the recommended plan and satisfy university, College of Atmospheric & Geographical Sciences, and Meteorology major requirements.

Refer to the OU General Catalog for more complete information.

Suggested Semester Plan of Study — Bachelor of Science in Meteorology (B685)

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 Geographical Sciences and/or School of Meteorology academic advisers to verify that courses selected each semester fulfill the recommended plan and satisfy university, College of Atmospheric & Geographical Sciences, and Meteorology major requirements.

Students who have not completed two years of the same foreign language in high school are required to take two college courses in the same foreign language. This additional coursework may add 6-10 hours to the minimum hours required for graduation.

Upper-division courses are required in English, mathematics, and physics. Additional coursework may be required to fulfill the General Education Social Sciences requirement for graduates in the atmospheric and geographic sciences. Students may obtain a minor in mathematics by taking one more math course in addition to those required in the curriculum. Additional information is available from your faculty adviser or from the Atmospheric and Geographic Sciences Dean’s Office, National Weather Center, Room 3630.

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.

Computer Science Area of Concentration

Minor in Broadcast Meteorology

Additional Minors

Minors in Mathematics, Business, Chemistry, Computer Science, Environmental Science, Geography, Geology, Hydrologic Science, Interdisciplinary Perspectives on the Environment, and Physics

*Official* minors in mathematics, business, chemistry, computer science, environmental science, geography, geology, hydrologic science, interdisciplinary perspectives on the environment, and physics are available and students are encouraged to consider one or more of these minors. Students may obtain a minor in mathematics by taking one more math course in addition to those required in the curriculum. Additional information is available from your faculty adviser or from the Atmospheric and Geographic Sciences Dean’s Office, National Weather Center, Room 3630.