Academics
A major in meteorology-climatology opens the door to your future career in the exciting and ever-changing world of weather and climate. This major is comprehensive, but flexible so that you can pursue your own interests within the broad field of atmospheric sciences, while meeting the federal government requirements for employment as a meteorologist.

You will build a solid foundation in meteorology-climatology with core courses that combine basic atmospheric science with training in mathematics, computer science and physics. You will apply this knowledge as you learn analytical problem-solving and forecasting techniques, methods for atmospheric measurements and how the atmosphere interacts with other components of the earth system. Choose from elective courses in Severe Storms, Air Pollution, Tropical Meteorology, Global Climate Change, Remote Sensing of the Atmosphere and many more.

Experience
In the College of Arts and Sciences, we know experience is valuable and goes beyond the classroom. We strive to help you connect your academics with research, internships, education abroad, service learning and leadership experiences. Take advantage of opportunities in meteorology and climatology such as:

- Serving as the university’s American Meteorological Society president
- Interning with Planetary Data, Inc.
- Taking a field trip to the National Severe Storm Lab in Oklahoma
- Researching climate change resilience in developing nations
- Volunteering with the Emergency Management Office

Opportunities
With a major in meteorology-climatology you will be prepared for employment with federal agencies such as the National Weather Service, National Aeronautics and Space Administration, Environmental Protection Agency, National Park Service and military. You can also work in private weather consulting; broadcast meteorology; and the agriculture, education and energy sectors. Here are examples of recent graduates’ employment:

- Broadcast Journalism Intern / FLOOD COMMUNICATIONS / NEWS CHANNEL NEBRASKA
- Coding Specialist / NATIONAL RESEARCH CORPORATION
- Extension Educator / UNIVERSITY OF NEBRASKA-LINCOLN
- Meteorologist Intern / NATIONAL WEATHER SERVICE
- Meteorologist / NEBRASKA DEPARTMENT OF ROADS
- Photo Journalist / CHANNEL 8 EYEWITNESS NEWS
- Pilot / UNITED STATES AIR FORCE
- Research Associate / HIGH PLAINS REGIONAL CLIMATE CENTER
- Underwriting Assistant / NATIONAL INDEMNITY
- Weekend Meteorologist / Reporter / KNOP-TV
METEOROLOGY-CLIMATOLOGY

FIRST SEMESTER

- MATH 106: Calculus I (ACE 1) 5
- METR 100: Weather & Climate (ACE 4) 4
- ACE 1: Written Texts/Research & Knowledge Skills 3
- Language Requirement - 201 Level (CDR E) 3

Total Hours 15

SECOND SEMESTER

- MATH 107: Calculus II (CDR F) 4
- PHYS 211: General Physics I (CDR B) 4
- PHYS 221: General Physics I Lab (CDR BL) 1
- CSCE 155N: Computer Science I: Engineering & Science Focus 3
- Language Requirement - 202 Level (CDR E) 3

Total Hours 15

THIRD SEMESTER

- MATH 208: Calculus III 4
- METR 205: Introduction to Atmospheric Science 4
- PHYS 212: General Physics II 4
- CDR A (Recommend JGEN 200: Technical Communication I) 3

Total Hours 15

FOURTH SEMESTER

- MATH 221: Differential Equations 3
- CHEM 109: General Chemistry I 4
- METR 223: Atmosphere Thermodynamics 4
- ACE 2 (Recommend JGEN 300: Technical Communication II) 3

Total Hours 14

FIFTH SEMESTER

- METR 311: Dynamic Meteorology I 3
- METR 323: Physical Meteorology 4
- STAT 380: Statistics & Applications 3
- ACE 5: Humanities 3
- College Distribution Requirement (CDR) C: Humanities 3

Total Hours 16

SIXTH SEMESTER

- METR 312: Dynamic Meteorology II 3
- METR 341: Synoptic Meteorology 4
- METR 463, 464, or 465: Meteorology Elective 3
- ACE 8: Ethics/Civics/Stewardship 3
- ACE 6: Social Sciences 3

Total Hours 16

SEVENTH SEMESTER

Senior Capstone (ACE 10):
- METR 442: Advanced Synoptic Meteorology-Climatology 3
- Meteorology 400 Level Course 3
- Meteorology 400 Level Course 3
- ACE 7: Fine Arts 3
- Elective/Minor/Secondary Major/Science/Pre-Professional 2

Total Hours 14

EIGHTH SEMESTER

- Meteorology 400 Level Course 3
- Meteorology 400 Level Course 3
- ACE 9: Global Awareness & Human Diversity 3
- CDR D: Social Sciences 3
- Elective/Minor/Secondary Major/Science/Pre-Professional 3

Total Hours 15

DISCLAIMER: This document represents a sample 4-year plan for degree completion with a major of interest in the College of Arts and Sciences. Actual course selection and sequence may vary and should be discussed individually with an Academic Advisor at the college and department level.