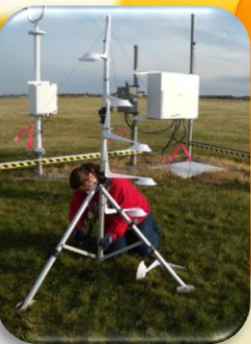




Internship Opportunities



Field expedition to Mexico to collect fossil middens used for reconstructing past vegetation and climates.



Field research and conference presentations

MaC Faculty



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Camille Holmgren, Ph.D.
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American Association of Geographers

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Resources

The MTC Program supports meteorology and paleoclimate labs, as well as a TV studio (Studio A) and the WeatherBuff radio show on WBNY 91.3 FM . A strong working relationship exists with the local NWS forecasting office, local observers, and the WNY Chapter of the American Meteorological Society.

Check out this YouTube link from a former student:
<https://www.youtube.com/watch?v=KqTWFpkTO7o>

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A Buffalo-Niagara Option



Meteorology & Climatology



GEOGRAPHY & PLANNING
BUFFALO STATE

<http://weather.buffalostate.edu>

Facebook: [Meteorology@Buffalostate](https://www.facebook.com/Meteorology@Buffalostate)



Student hosts on WeatherBUFF radio show

Our students design an experiment aboard the Perlan II glider, which reached a record altitude for a fixed-winged aircraft and sampled the Stratosphere.



Meteorology student wins Emmy award



Atmospheric Science class balloon launch

Options

A MTC concentration (39 credits) allows you to package your interest in meteorology and climatology with a geography degree. In addition to the weather-related courses, you will take courses such as mapmaking using GIS, remote sensing, human geography, geography of the U.S. and Canada, quantitative methods, and research methods. Your senior thesis research topic will focus on a meteorology- or climatology-related theme.

Already have a major? Consider taking the MTC minor (18 credits). This minor adds a useful dimension to your existing major. For example: communication majors may prepare for a career in broadcast meteorology, and earth science education majors may better prepare for the teaching of meteorology in the classroom.

MTC Related Courses

Required:

- GEG 101 World Natural Environments
- GEG 241 Meteorology (also GES 241)

Choose from the following:

- GEG 303 Global Climatology
- GEG 382 Weather Forecasting
- GEG 383 Severe & Unusual Weather
- GEG 384 Atmospheric Science
- GEG 385 Paleoclimatology
- GEG 386 Applied Climatology
- GEG 475 Principles of Hydrology
- GEG 478 Global Change
- GEG 480 Air Pollution Applications
- GEG 488 Internship
- GEG 499 Independent Study

1-credit courses (GEG 497)

- Hazardous Weather & Emergency Planning
- Weather and the Expert Witness

Why SUNY Buffalo State?

The Meteorology & Climatology Program (MTC) at SUNY Buffalo State is housed within the Department of Geography & Planning. This program provides you with a sound background in meteorology and climatology embedded within a geography degree. In a time when climate change issues dominate the news, our goal is to provide you with an applied approach to meteorology and climatology – integrating it with real world issues. A geography degree, with its emphasis on interpreting and presenting spatial information and integrating information from multiple sources, offers an excellent base for the study of meteorology and climatology, and provides you with general skills that diverse employers seek. The MTC program prepares you to work in private weather forecasting, broadcast meteorology, and weather consulting, as well as preparing you for graduate study. Let us build on your interest in weather to prepare you for a career in meteorology and climatology.



Getting into the spirit of things

The MTC Program provides a foundation in the weather and climate sciences, but uses geography-related skills to show interconnections with other disciplines.



Students in the Dyngus Day Parade



Fall Equinox Pumpkin Drop



Annual Punxsutawney Groundhog Trip