Twin Cities Campus

Climatology Minor

Soil, Water, & Climate

College of Food, Agricultural and Natural Resource Sciences

- Program Type: Undergraduate free-standing minor
- Requirements for this program are current for Fall 2020
- Required credits in this minor: 20 to 21

The minor allows students to broaden their expertise in weather and climate studies. Students who will be working for any industry or agency that depends on understanding weather and climate change will find the minor useful. Students take a required course in meteorology and the atmosphere. Electives are in climate variations and change, atmospheric composition and air pollution, biometeorology, and global environmental change. Students must complete at least 20 credits to complete the minor.

Program Delivery

This program is available:

- via classroom (the majority of instruction is face-to-face)

Minor Requirements

Minor Courses

ESPM 1425 - Introduction to Weather and Climate [PHYS, ENV] (4.0 cr)
or GEOG 1425 - Introduction to Weather and Climate [PHYS, ENV] (4.0 cr)

Electives

Take 16 or more credit(s) from the following:

- ESPM 3131 - Environmental Physics (3.0 cr)
- ESPM 3425 - Atmospheric Pollution: From Smog to Climate Change (3.0 cr)
- ESPM 3777 - Climate Change- Physics, Myths, Mysteries, and Uncertainties (3.0 cr)
- ESPM 5402 - Biometeorology (3.0 cr)
- LAAS 5425 - Atmospheric Processes I: Thermodynamics and Dynamics of the Atmosphere (3.0 cr)
- LAAS 5426 - Atmospheric Processes II: Radiation, Composition, and Climate (3.0 cr)
- GEOG 3401W - Geography of Environmental Systems and Global Change [ENV, WI] (3.0 cr)
- GEOG 3423 - Urban Climatology (3.0 cr)
- GEOG 5426 - Climatic Variations (3.0 cr)
- ESCI 1006 - Oceanography [PHYS, ENV] (4.0 cr)
- ESCI 3002 - Climate Change and Human History [ENV] (3.0 cr)
- ESCI 3402 - Science and Politics of Global Warming [ENV] (3.0 cr)
- PUBH 6154 - Climate Change and Global Health Modeling (3.0 cr)

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