

## CLIMATE CHANGE AND HEALTH MINOR

The Climate Change and Health (CCH) minor is to train students in the science of climate change and in the development and application of mitigation and adaptation strategies with which public health professionals can respond. There is a pressing need to develop a public health workforce that can navigate and adapt to climate change threats. The minor will provide students with a foundational understanding of the science of climate change, population social and health vulnerabilities, and practical skills in climate change modeling, surveillance, and programmatic and policy interventions at various levels (i.e., local, regional, state, national, global). The public approach is two-fold, with its focus on entire populations and on vulnerable populations (e.g., socially disenfranchised individuals who bear disproportionate climate-related health burdens).

### REQUIRED COURSES

5 CREDITS

**PubH 6154** Climate Change & Global Health (3 cr)

**PubH 6194** Climate Change & Public Health: The Science of Public Health Responses (2 cr)

### ELECTIVES

MINIMUM 3 CREDITS MASTERS

MINIMUM 7 CREDITS DOCTORAL

**EEB 5609** Ecosystem Ecology (3 cr)

**ESCI 5402** Science and Politics of Global Warming (3 cr)

**ESPM 5241** Natural Resource and Environmental Policy (3 cr)

**ESPM 5242** Methods for Environmental and Natural Resource Policy Analysis (3 cr)

**ESPM 5245** Sustainable Land Use Planning and Policy (3 cr)

**ESPM 5604** Environmental Management Systems and Strategy (3 cr)

**GCC 5005** Innovation for Changemakers: Design for a Disrupted World (3 cr)

**GCC 5008** Policy and Science of Global Environmental Change (3 cr)

**GCC 5027** Power Systems Journey: Making the Invisible Visible and Actionable (3 cr)

**GCC 5031** The Global Climate Challenge: Creating an Empowered Movement for Change (3 cr)

**GCC 5032** Ecosystems Health: Leadership at the intersection of humans, animals and the environment (3 cr)

**GCC 5034** How Can We Transition Minnesota to a Carbon-Free Economy? (3 cr)

**GEOG 5401** Geography of Environmental Systems and Global Change (3 cr)

**HSCI 5244** Nature's History: Science, Humans, and the Environment (3 cr)

**LA 5003** Climate Change Adaptation (3 cr)

**LAAS 5050** Integrated Topics in Land & Atmospheric Science (3 cr)

**PA 5711** Science, Technology & Environmental Policy (3 cr)

**PA 5722** Economics of Environmental Policy (3 cr)

**PA 5724** Climate Change Policy (3 cr)

**PubH 6528** Climate Change and Healthcare Delivery Organizations: Considerations for Healthcare Leaders and Prof (1 cr)

**VMED 5492** Seminar: One Health and Infectious Diseases of Wildlife (2 cr)

#### PROGRAM COORDINATOR

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