



Twin Cities Campus

Climate Change and Health Minor

School of Public Health - Adm

School of Public Health

Link to a [list of faculty](#) for this program.

Contact Information:

School of Public Health, MMC 819, A395 Mayo Memorial Building, 420 Delaware Street, Minneapolis, MN 55455 (612-626-3500 OR 1-800-774-8636)

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Website: <http://www.sph.umn.edu>

- Program Type: Graduate minor related to major
- Requirements for this program are current for Spring 2022
- Length of program in credits (Masters): 8
- Length of program in credits (Doctorate): 12
- This program does not require summer semesters for timely completion.

Along with the program-specific requirements listed below, please read the [General Information](#) section of the catalog website for requirements that apply to all major fields.

The main goal of 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).

The School of Public Health is accredited by the Council on Education for Public Health (CEPH).

Program Delivery

This program is available:

- completely online (all program coursework can be completed online)
- partially online (between 50% to 80% of instruction is online)

Prerequisites for Admission

The preferred undergraduate GPA for admittance to the program is 3.00.

Special Application Requirements:

Students interested in the minor are strongly encouraged to confer with their major field advisor and director of graduate studies, and the Climate Change and Health director of graduate studies regarding feasibility and requirements.

For an online application or for more information about graduate education admissions, see the [General Information](#) section of the catalog website.

Program Requirements

Use of 4xxx courses toward program requirements is permitted under certain conditions with adviser approval.

Required minor field courses must be taken on the A-F grading basis, with a minimum grade of B- earned for each. Electives may be taken A-F or S/N.

The minimum cumulative GPA required for the minor is 3.00.

Coursework

Required Coursework (5 credits)



Take the following courses:

[PUBH 6154](#) - Climate Change and Global Health Modeling (3.0 cr)

[PUBH 6194](#) - Climate Change and Public Health: The Science and Public Health Responses (2.0 cr)

Electives (3 to 7 credits)

Masters students select 3 credits, and doctoral students select 7 credits from the following in consultation with the Climate Change and Health director of graduate studies to meet minimum credit requirements:

[EEB 5609](#) - Ecosystem Ecology (3.0 cr)

[ESCI 5402](#) - Science and Politics of Global Warming (3.0 cr)

[ESPM 5241](#) - Natural Resource and Environmental Policy (3.0 cr)

[ESPM 5242](#) - Methods for Environmental and Natural Resource Policy Analysis (3.0 cr)

[ESPM 5245](#) - Sustainable Land Use Planning and Policy (3.0 cr)

[ESPM 5604](#) - Environmental Management Systems and Strategy (3.0 cr)

[GCC 5005](#) - Innovation for Changemakers: Design for a Disrupted World [GP] (3.0 cr)

[GCC 5008](#) - Policy and Science of Global Environmental Change [ENV] (3.0 cr)

[GCC 5027](#) - Power Systems Journey: Making the Invisible Visible and Actionable [TS] (3.0 cr)

[GCC 5031](#) - The Global Climate Challenge: Creating an Empowered Movement for Change [CIV] (3.0 cr)

[GCC 5032](#) - Ecosystems Health: Leadership at the intersection of humans, animals and the environment [ENV] (3.0 cr)

[GCC 5034](#) ~~{Inactive}~~[TS] (3.0 cr)

[GEOG 5401W](#) - Geography of Environmental Systems and Global Change [ENV, WI] (3.0 cr)

[HSCI 5244](#) - Nature's History: Science, Humans, and the Environment (3.0 cr)

[LA 5003](#) - Climate Change Adaptation (3.0 cr)

[LAAS 5050](#) - Integrated Topics in Land & Atmospheric Science (3.0 cr)

[PA 5711](#) - Science, Technology & Environmental Policy (3.0 cr)

[PA 5722](#) - Economics of Environmental Policy (3.0 cr)

[PA 5724](#) - Climate Change Policy (3.0 cr)

[PUBH 6528](#) - Climate Change and Healthcare Delivery Organizations: Considerations for Healthcare Leaders and Prof (1.0 cr)

[VMED 5492](#) - Seminar: One Health and Infectious Diseases of Wildlife (2.0 cr)

Program Sub-plans

Students are required to complete one of the following sub-plans.

Students may not complete the program with more than one sub-plan.

Masters

Doctoral