The science is clear and convincing: Climate change poses a very real risk to our health. The new Master of Science in Climate and Health will provide an exciting interdisciplinary approach to understanding and mitigating the many complex factors that impact this new frontier in public health.

Executive Vice President for Health Affairs and Chief Executive Officer, UHealth, Leonard M. Miller School of Medicine
The Master of Science in Climate and Health is a unique and highly important interdisciplinary Graduate Program that will train future generations of leaders to manage the emerging health effects of climate change and extreme weather.

For more information, contact: Naresh Kumar, Ph.D., Director
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Elliot Atlas, Ph.D., Co-Director
eatlas@miami.edu

To Apply please visit: www.sophas.org

Department of Public Health Sciences,
Leonard M. Miller School of Medicine
and
Department of Atmospheric Sciences,
Rosenstiel School of Marine and Atmospheric Science (RSMAS)

Program pending final Board of Trustees’ approval.
Core Competencies

- Geophysical principles and processes that regulate global and regional climate and weather patterns
- Intricate direct and indirect relationships between health and climate, climate change, weather and extreme weather (C²W²)
- Biological responses to short- and long-term climate changes and weather patterns
- Time-space models to quantify direct and indirect health effects of C²W²
- Management of the health impacts of C²W²
- Climate and health policy evaluation
- Health inequality in vulnerability to climate, weather and climate health

Program Highlights

- Two-year Master’s Degree
- Core Courses
  - Weather and Climate
  - Health and Climate: Intricate Relationship
  - Toxicology, Climate and Weather
  - Climate and Health Data: Sources, Types and Integration
  - Modelling Health Effects of Climate and Weather
  - Policies and Management of the Health Effects of Climate and Weather
- Tracks
  - Public Health Sciences
  - Marine and Atmospheric Sciences
  - Climate and Health - Analytical
  - Toxicology
- Thesis
  - Opportunities to pursue research with interdisciplinary faculty members from five colleges
- Fellowships Available

Eligibility

- Bachelor’s Degree (GPA ≥ 3.0)
- Required Prerequisite Courses
  - One year of college calculus and physics courses
  - One biology course
- GRE or MCAT: ≥ 60th percentile
- TOEFL: ≥ 80 percentile (if applicable)
- Three Letters of Recommendation

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