

Ph.D. in Meteorology,

Minor in Faith-Based Climate Change and Disaster Relief

HBI University

Course Duration: 3 years

Credit Hours: 105 (including minor)



Program Description

The Doctor of Philosophy (Ph.D.) in Meteorology at HBIU University is designed to prepare students for advanced research, leadership, and practical application in the field of meteorology. This program explores both theoretical concepts and practical techniques used to understand atmospheric processes, weather prediction, climate dynamics, and environmental impacts. Students will engage with topics such as atmospheric modeling, severe weather phenomena, climate change, and the application of meteorological data in public policy and environmental management. Graduates will be equipped to contribute to global climate research, government agencies, environmental organizations, and disaster management institutions.

The Minor in Faith-Based Climate Change and Disaster Relief specialization focuses on the integration of faith-based principles in addressing climate change and providing disaster relief. This specialization examines how religious organizations can contribute to climate change mitigation, disaster preparedness, and recovery efforts, with a focus on ethical responsibility and stewardship of the environment. Students will explore topics like faith-driven responses to climate-induced disasters,

sustainable practices in faith communities, and the role of faith-based organizations in humanitarian aid and environmental justice. This minor equips students to integrate scientific and faith-based approaches in developing solutions for climate change and disaster management.

Admissions Requirements

- Master's degree in a relevant field
- Minimum GPA of 3.0
- GRE scores (if applicable)
- Statement of Purpose (1,000-1,500 words) outlining research interests
- Three letters of recommendation
- Academic writing sample
- Curriculum Vitae (CV) or resume
- Interview with faculty (if required)

General Education Courses (30 Credit Hours)

Course Code	Course Name	Credit Hours
GEN 101	Critical Thinking and Writing	3
GEN 102	Research and Information Literacy	3
GEN 103	Ethics and Social Responsibility	3
GEN 104	Statistical Methods for Research	3
GEN 105	Leadership and Strategic Planning	3
GEN 106	Global Perspectives and Cultural Awareness	3
GEN 107	Philosophical Foundations of Inquiry	3
GEN 108	Technology and Data Analysis	3
GEN 109	Organizational Behavior and Change	3
GEN 110	Public Policy and Governance	3

Core Foundational Courses (23 Credit Hours)

Course Code	Course Name	Credit Hours
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PH.D 701	Advanced Theories in the Field	3
PH.D 702	Applied Research Methods	3
PH.D 703	Leadership and Ethics	3
PH.D 704	Strategic Decision Making	3
PH.D 705	Policy and Governance	3
PH.D 706	Innovation in the Field	3
PH.D 707	Case Study Analysis	2
PH.D 708	Capstone in the Field	3

Minor in Faith-Based Climate Change and Disaster Relief (15 Credit Hours)

Course Code	Course Name	Credit Hours
MINO 701	Introduction to the Minor Field	3
MINO 702	Ethics and Best Practices	3
MINO 703	Case Studies and Applications	3
MINO 704	Policy and Governance in the Minor	3
MINO 705	Capstone Project in the Minor	3

Program Outcomes

- Conduct advanced research in ph.d. in meteorology.
- Develop expertise in minor in faith-based climate change and disaster relief and its applications.
- Lead policy, research, and practical implementation in the field.
- Contribute to academic and industry advancements.

Career Outcomes and Potential Pay Scale

Career Path	Average Salary (Annual)
University Professor	\$80,000 - \$140,000
Policy Analyst	\$85,000 - \$135,000
Research Director	\$90,000 - \$150,000
Government Advisor	\$100,000 - \$160,000
Non-Profit Executive	\$75,000 - \$140,000