

## **Ph.D. in Renewable Energy,**

### **Minor in Faith-Based Sustainability and Green Technology**

**HBI University**

Course Duration: 3 years

Credit Hours: 105 (including minor)



### **Program Description**

The Doctor of Philosophy (Ph.D.) in Renewable Energy at HBIU University is designed to provide students with advanced knowledge, research skills, and leadership capabilities to tackle the challenges and opportunities in the rapidly evolving field of renewable energy. The program covers both theoretical and applied aspects of renewable energy systems, including solar, wind, geothermal, bioenergy, and energy storage technologies. Graduates will be equipped to contribute meaningfully to sustainable energy practices, conduct cutting-edge research, and implement innovative solutions that address global energy challenges. Students will gain expertise in energy policy, sustainability, and the integration of renewable energy technologies into existing infrastructure.

The Minor in Faith-Based Sustainability and Green Technology specialization offers a unique focus on how faith-based principles can inform and guide sustainability efforts and the development of green technologies. This specialization explores the intersection of faith and environmental stewardship, with a focus on ethical considerations in the design and implementation of sustainable energy solutions.

Topics include faith-driven environmental ethics, promoting sustainable energy practices in faith-based communities, and integrating green technologies in socially responsible ways. Students will be prepared to lead faith-based sustainability initiatives, work in environmental advocacy organizations, and implement green technologies that align with Christian values of stewardship and care for creation.

### 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 Sustainability and Green Technology (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 renewable energy.
- Develop expertise in minor in faith-based sustainability and green technology 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