

Associate in Theoretical Physics

Specialization in Faith-Based Science Education

HBI University

Course Duration: 2 years

Credit Hours: 75 hours (including 15 minor credit hours)

Program Description

The Associate in Theoretical Physics program with a Specialization in Faith-Based Science Education is designed for students who are passionate about exploring the mysteries of the universe through scientific and spiritual lenses. This interdisciplinary program merges rigorous academic study in physics with a faith-based framework that emphasizes purpose, ethics, and the harmony between science and theology.

Students will engage in advanced studies of classical and quantum physics, cosmology, mathematical modeling, and scientific theory development, while also examining how faith and scientific discovery intersect. This degree equips future educators and communicators to advocate for scientifically informed, biblically grounded knowledge in educational and church settings.

Graduates may pursue careers in science education, Christian apologetics, technical ministry consulting, or transfer to a bachelor's program in physics, theology, or science communication.

General Education Courses (15 Credit Hours)

Course Code	Course Name	Credit Hours
GEN 101	English Composition I	3
GEN 102	English Composition II	3
GEN 103	College Algebra	3
GEN 104	Introduction to Psychology	3
GEN 105	Introduction to Sociology	3

Core Theoretical Physics Courses (30 Credit Hours)

Course Code	Course Name	Credit Hours
PHY 201	Classical Mechanics	3

PHY 202	Electromagnetism	3
PHY 203	Thermodynamics and Statistical Physics	3
PHY 204	Quantum Mechanics	3
PHY 205	Relativity and Cosmology	3
PHY 206	Advanced Mathematics for Physics	3
PHY 207	Philosophy of Science and Faith	3
PHY 208	Computational Physics	3
PHY 209	Research Methods in Physics	3
PHY 210	Theoretical Physics Capstone Project	3

Elective Courses (15 Credit Hours)

Course Code	Course Name	Credit Hours
PHY 301	Ethics in Scientific Discovery	3
PHY 302	Science and Scripture: Harmony or Conflict?	3
PHY 303	Educational Technology in Science Instruction	3
PHY 304	Environmental Stewardship and Physics	3
PHY 305	Astronomy and Faith	3

Minor in Faith-Based Science Education (15 Credit Hours)

Course Code	Course Name	Credit Hours
FSE 401	Theology of Creation and Scientific Inquiry	3

FSE 402	Teaching Science in Christian Contexts	3
FSE 403	Christian Apologetics in Science	3
FSE 404	Curriculum Design for Faith-Based Science Education	3
FSE 405	Science and Evangelism: Bridging Faith and Reason	3

Capstone Project (3 Credit Hours)

The Capstone in Faith-Based Science Education allows students to design a science-based curriculum, presentation, or outreach model rooted in both theoretical physics and Christian worldview. Projects may include:

- Designing a physics curriculum for a Christian high school or homeschool program.
- Presenting on faith and physics to youth ministry groups.
- Creating a science-and-faith themed workshop or multimedia series.

Program Outcomes

Graduates of this program will:

- Demonstrate understanding of key theoretical physics concepts.
- Apply biblical worldview to scientific teaching and discourse.
- Promote harmony between scientific knowledge and faith-based education.
- Design educational tools that reflect scientific and theological accuracy.
- Serve as science educators, ministry resources, or pursue further academic training.

Career Outcomes and Potential Pay Scale

Career Path	Average Salary (Annual)
Science Educator (Faith-Based Schools)	\$42,000 - \$58,000
Christian Apologetics Presenter	\$44,000 - \$60,000
Faith-Based Curriculum Developer	\$45,000 - \$62,000
Science and Theology Outreach Facilitator	\$46,000 - \$63,000

STEM Ministry Program Director	\$47,000 - \$65,000
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