

Associate in Data Science

Specialization in Faith-Based Analytics for Social Impact

HBI University

Course Duration: 2 years

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

Program Description

The Associate in Data Science program with a Specialization in Faith-Based Analytics for Social Impact trains students to collect, analyze, and interpret data to make ethical, mission-driven decisions that address societal needs. Through a faith-based lens, students learn the technical and spiritual responsibilities of data stewardship, applying Christian values to real-world challenges.

Students will develop skills in statistics, programming, data visualization, and impact assessment, while exploring how data can be used for advocacy, ministry growth, nonprofit success, and community development.

Graduates may pursue careers in data analytics, nonprofit evaluation, outreach programming, or continue into bachelor's-level study in data science, public policy, or business analytics.

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 Data Science Courses (30 Credit Hours)

Course Code	Course Name	Credit Hours
DS 201	Introduction to Data Science	3
DS 202	Data Analytics and Statistics	3

DS 203	Programming for Data Science (Python/R)	3
DS 204	Data Management and SQL	3
DS 205	Data Visualization and Communication	3
DS 206	Ethics in Data and Technology	3
DS 207	Predictive Analytics and Decision Models	3
DS 208	Social Impact Measurement	3
DS 209	Applied Projects in Community Analytics	3
DS 210	Capstone Project in Data Science	3

Elective Courses (15 Credit Hours)

Course Code	Course Name	Credit Hours
DS 301	Faith-Based Research Methods and Impact Reporting	3
DS 302	GIS and Spatial Analysis for Ministry Outreach	3
DS 303	Nonprofit Metrics and Fundraising Data Analysis	3
DS 304	Mobile and Social Media Data in Faith Contexts	3
DS 305	Community Needs Assessment and Data Interpretation	3

Minor in Faith-Based Analytics for Social Impact (15 Credit Hours)

Course Code	Course Name	Credit Hours
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FAI 401	Biblical Foundations of Justice and Data Stewardship	3
FAI 402	Ministry Data Applications and Dashboards	3
FAI 403	Leading Faith-Informed Research and Advocacy Campaigns	3
FAI 404	Interpreting Trends to Support Mission Growth	3
FAI 405	Case Studies in Faith-Based Data Transformation	3

Capstone Project (3 Credit Hours)

The Capstone in Faith-Based Analytics for Social Impact invites students to develop a data-driven project supporting a church, nonprofit, or community ministry. Projects may include:

- Designing a dashboard to measure impact of youth ministry programs.
- Conducting a data audit of a nonprofit's community outreach.
- Creating a visual storytelling campaign using public data sets.

Program Outcomes

Graduates of this program will:

- Use data science tools and practices to analyze and present insights.
- Apply Christian values in ethical decision-making and data use.
- Support ministries, churches, and nonprofits through impact evaluation.
- Communicate findings to diverse audiences in service and faith contexts.
- Pursue further study or careers in data science, ministry leadership, or public service.

Career Outcomes and Potential Pay Scale

Career Path	Average Salary (Annual)
Data Analyst (Nonprofit/Church)	\$48,000 - \$62,000
Program Evaluation Specialist	\$47,000 - \$60,000

Ministry Insights & Analytics Coordinator	\$46,000 - \$63,000
Faith-Based Research Assistant	\$42,000 - \$57,000
Social Impact Data Consultant	\$50,000 - \$68,000