

Bachelor in Marine Biology - Minor in Faith-Based Ocean Conservation

HBI University

Course Duration: 3 years

Credit Hours: 135 (including minor)



Program Description

The Bachelor in Marine Biology at HBI University equips students with the knowledge and skills to study marine ecosystems, conduct research on ocean life, and contribute to conservation efforts. This program prepares students for careers in marine research, environmental advocacy, and sustainable resource management.

The Minor in Faith-Based Ocean Conservation enhances this degree by integrating theological perspectives into environmental stewardship. Students will explore how faith-based organizations can advocate for marine conservation, promote sustainable ocean resource use, and educate communities on the importance of preserving marine biodiversity.

Admissions Requirements

- High school diploma or equivalent
- Minimum GPA of 2.5
- Personal statement outlining career goals and interest in marine biology
- Two letters of recommendation
- Resume (if applicable)
- SAT/ACT scores (if applicable)

General Education Courses (30 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 Philosophy	3
GEN 105	Introduction to World Religions	3
GEN 106	Public Speaking and Communication	3
GEN 107	Ethics and Critical Thinking	3
GEN 108	Research Methods	3
GEN 109	Leadership and Team Development	3
GEN 110	Cross-Cultural Communication	3

Core Marine Biology Courses (45 Credit Hours)

Course Code	Course Name	Credit Hours
MBI 201	Introduction to Marine Biology	3
MBI 202	Oceanography and Marine Ecosystems	3
MBI 203	Marine Biodiversity and Ecology	3
MBI 204	Coral Reef Biology and Conservation	3
MBI 205	Marine Mammalogy: Whales, Dolphins, and Seals	3
MBI 206	Fisheries Science and Sustainable Aquaculture	3
MBI 207	Marine Microbiology and Biotechnology	3
MBI 208	Coastal Zone Management and Restoration	3
MBI 209	Marine Toxicology and Pollution Mitigation	3
MBI 210	Marine Conservation Policy and Law	3
MBI 211	Climate Change and Ocean Health	3
MBI 212	Field Research Methods in Marine Science	3
MBI 213	Marine Robotics and Underwater Exploration	3

MBI 214	Marine Bioinformatics and Data Analysis	3
MBI 215	Capstone: Marine Biology Research and Conservation Project	3

Elective Courses (15 Credit Hours)

Course Code	Course Name	Credit Hours
ELEC 301	Ecotourism and Faith-Based Marine Stewardship	3
ELEC 302	Biblical Perspectives on Environmental Care	3
ELEC 303	Marine Wildlife Rehabilitation and Rescue	3
ELEC 304	Plastic Pollution and Ocean Cleanup Initiatives	3
ELEC 305	Ethics of Marine Research and Conservation	3

Minor in Faith-Based Ocean Conservation (15 Credit Hours)

Course Code	Course Name	Credit Hours
FOC 401	Faith and Environmental Stewardship	3
FOC 402	Theology of Creation and Ocean Conservation	3
FOC 403	Sustainable Marine Resource Management	3
FOC 404	Faith-Based Advocacy for Marine Protection	3
FOC 405	Marine Conservation Education for Faith Communities	3

Capstone Project (15 Credit Hours)

The capstone project in Marine Biology allows students to apply marine research, conservation techniques, and faith-based environmental advocacy to real-world challenges. Students will:

- Conduct a field research study on marine ecosystems and biodiversity.
- Develop an ocean conservation initiative for a faith-based organization.
- Create a community outreach program to promote sustainable marine practices.
- Present findings through a research paper and conservation strategy proposal.

Program Outcomes

Graduates of this program will:

- Master marine research methodologies, ecosystem management, and biodiversity conservation.
- Integrate faith-based perspectives into environmental advocacy and marine stewardship.
- Utilize conservation science to protect and restore marine habitats.
- Develop educational programs to engage faith communities in ocean conservation efforts.
- Lead sustainability and conservation initiatives in government, nonprofit, and research organizations.

Career Outcomes and Potential Pay Scale

Career Path	Average Salary (Annual)
Marine Biologist	\$50,000 - \$110,000
Faith-Based Environmental Advocate	\$45,000 - \$100,000
Conservation Scientist	\$55,000 - \$120,000
Sustainable Fisheries Manager	\$60,000 - \$125,000
Marine Policy Advisor	\$65,000 - \$130,000