Arizona State University (Tempe campus)

Ocean Futures, BS

Study details

Course type: Bachelor's degree
Degree: Ocean Futures, BS GFSEABS
Study mode: Full time
Duration: 48 Month

Cost of study

Cost : 35 430 USD
Reg. fee : 85 USD
Scolarship :
Insurance : 2 765 USD

Intake/s

Jan/May/Aug

Requirements

Academic requirements

First-year students must:

- Have a 3.00 grade point average (GPA) (a "B" or better where "A"=4.00) from a secondary school. Some ASU programs may have higher admission or English proficiency requirements and may consider a minimum ACT or SAT score.
- Must have three years of high school coursework. (If you are currently in high school, ASU needs to see 9–11 grade coursework. If you have completed high school, ASU needs to see 10–12 grade coursework.)
- Must have and present a completed high school diploma or certificate.

Conditional admission

ASU may offer conditional undergraduate admission to international applicants to an on-campus program who meet the academic (aptitude) requirements but who are not proficient in English. This offer of conditional admission will give you time to improve your English proficiency before you start classes at ASU. Your conditional admission offer is good for up to three semesters, during which time you must meet one of these requirements to begin your ASU experience.

Competency requirements

International students who completed high school outside the U.S. are required to meet the following competency requirements:

- Math: four years (algebra I, geometry, algebra II and one course requiring algebra II as a prerequisite).

- Laboratory science: three years total (one year each from any of the following areas are accepted: biology, chemistry, earth science, integrated sciences and physics).

Provide evidence of English language proficiency (TOEFL 61)

Accommodation

Provided by partner agencies

Speciality
STEM-OPT for international students on F-1 visas

This program may be eligible for an Optional Practical Training extension for up to 24 months. This OPT work authorization period may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension at ASU's International Students and Scholars Center website.

The OPT extension only applies to students on an F-1 visa and does not apply to students completing a degree through ASU Online.

Additional information

Program description

In the BS program in ocean futures, students learn the processes governing global oceans, as well as threats to the ecosystems and human populations they support. It also provides a foundation in coastal and marine system science and focuses on the social, economic and equity aspects of ocean stewardship, including the integration of intergenerational and Indigenous values in developing blue economies, coastal and marine protection and management, land-sea interactions, community-based stewardship, the impact of fisheries on ocean health, and coral reef restoration. Students gain not only knowledge of integrated ocean science, but also cognitive skills in critical and futures thinking, information and digital literacy, and problem-solving. Students also develop interpersonal skills in civic and global responsibility and leadership, as well as the cultural sensitivity and empathy for diverse communities needed to become transformational leaders by working with communities, stakeholders and rights-holders to build skills in context-specific and solutions-oriented research, data analysis and communication.

Healthy human futures depend on healthy ocean futures, and vice versa. According to the United Nations, presently about 40% of the world's population lives within 100 kilometers of the coast. The flourishing of societies and the planet requires a holistic approach to support healthy ocean and coastal ecosystems in the face of a changing future. Addressing the growing challenges the ocean faces requires transdisciplinary study and use-inspired research that works towards culturally appropriate solutions for local to global stewardship of the future oceans. The Bachelor of Science program in ocean futures is designed to grow the next generation of ocean stewards, community leaders, innovators and researchers and build capacity for transformational changes in societal perspectives and practices related to the oceans.

One of the benefits of the program is the opportunity for students to gain additional experience through hands-on, aquatic field opportunities. These aquatic opportunities will be available in or near Arizona, as well as at ASU's Bermuda Institute of Ocean Sciences, the Center for Global Discovery

and Conservation Science in Hawai'i, and through study abroad in Antarctica. Additional costs may apply.

Concurrent program options

Students pursuing concurrent degrees (also known as a “double major”) earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

Global opportunities
Global experience

With more than 300 Global Education program opportunities available to them, students of all majors, including programs in the College of Global Futures, are able to tailor their experience to their unique interests and skill sets. Whether in a foreign country, in the U.S. or online students build communication skills, learn to adapt and persevere, and are exposed to research and internships across the world, increasing their professional network. Beyond these, students in the BS in Ocean Futures program have special opportunities to enhance their learning in locations like Bermuda, Hawaii and Antarctica.

Career opportunities

With the increasing recognition that global oceans and coastal communities play a critical role in future planetary and human well-being, marine professionals are in high demand across many sectors and industries, including county, state and federal agencies, as well as nongovernmental and community organizations. Graduates have the expertise needed to become the next generation of leaders to steward coastal and marine resources across businesses and industries, locally and globally.

Career paths include:

- conservation manager
- environmental consultant
- environmental scientist
- fisheries manager
- marine biologist
- marine educator
- marine research assistant
- marine research technician
- marine scientist
- natural resource manager