



SCIENCE AND MATHEMATICS

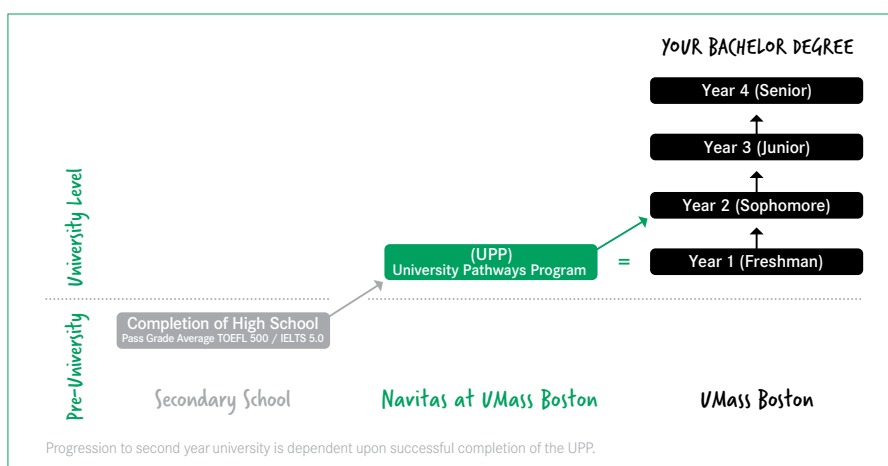
The Navitas at UMass Boston program offers an alternative pathway to the University of Massachusetts Boston for international students who may not qualify for direct entry and who seek a supportive study environment.

The Navitas UPP is equivalent to the first year of a UMass Boston bachelor's degree program. When you successfully complete Year 1 with Navitas you can move directly into the second year of your undergraduate degree.

All students entering the program are fully matriculated UMass Boston students from day one with Navitas.

College of Science and Mathematics

- Prepares students for careers as scientists, dentists, physicians, mathematicians, computer scientists, biomedical workers, school teachers and technical experts.
- First-rate faculty and diverse, high-achieving student body; the college offers innovative, interdisciplinary curricula tuned to the changing needs of the global economy.
- Students are pre-approved for 12 months of Optional Practical Training (OPT), and then an additional 17 months for certain degree holders in Science, Technology, Engineering and Mathematics.
- Graduates of the College of Science and Mathematics are placed locally, regionally, nationally and internationally.
- In recognition of excellence, major sponsors of research invest in UMass Boston – sponsors such as the National Science Foundation, the National Institutes of Health, and NASA, to name just a few.
- Option to work with award-winning research faculty in computational sciences which includes computer science, mathematics, and physics.



University of Massachusetts ranks **64th** in top universities worldwide*

- ### College of Science and Mathematics
- Computer Science (BA, BS)
 - Information Technology (BS)
 - Mathematics (BA, BS)
 - Environmental, Earth and Ocean Sciences (BA, BS)
 - Marine Science
 - Earth and Hydrologic Sciences
 - Geographic Information Sciences
 - Environmental Policy and Management
 - Sustainability & Clean Energy (Minor, Certificate)
 - Physics (BA, BS)

* Times Higher Education World University Rankings 2011-2012

Science

Environmental, Earth and Ocean Sciences (EEOS, BA and BS)

- Bachelor of Science degree or Bachelor of Arts degree.
- Option of doing a concentration in:
 - Marine Science
 - Earth and Hydrologic Sciences
 - Geographic Information Systems
 - Environmental Policy & Management
- Take exciting courses such as Introduction to Oceanography, Global Environmental Change, Global Cities & the Environment, Coastal Geology, Chemistry of Natural Waters.
- EEOS integrates the natural and social sciences to generate and apply new knowledge about the quality of our environment and the sustainable use of its resources.
- Faculty and students' research sites range from local to global, from the health of the Boston Harbor to whale migration patterns in Antarctica.
- Opportunities outside the classroom include:
 - Research opportunities that highlight current environmental science research both on and off campus
 - Presentations at national and international conferences
 - Opportunities to work on boats and enjoy the local Boston and broader New England coasts.
 - Sustainability & Clean Energy (CES) (Minor, Undergraduate Certificate)

UMass Boston is very green, as it's considered to be 'The Environmental Campus' of the five-campus University of Massachusetts system.

Sustainability and Clean Energy (CES, Minor, Certificate)

- Integrates the natural and social sciences to generate and apply new knowledge about the quality of our environment and the sustainable use of its resources.
- Take exciting courses such as; Introduction to Environmental Management and Clean Energy, Climate and Energy: Law, Policy and Management, Natural Resources and Sustainable Development.

- The CES undergraduate certificate comprises 5 courses in 5 core areas, including Environmental Science, Environmental Policy, Environmental Management, and Environmental Economics.
- Alumni have gone on to do exciting projects such as: Voyages to Antarctica, Research at the Coastal Studies Institute in Brazil to foster relationships between the instate and EEOS at UMass Boston and social science research on a variety of issues affecting oceans and coastal areas locally and around the globe.

What Jobs Can You Pursue with a Degree in Sustainability / Environmental, Earth & Ocean Sciences?

- Sustainability analyst
- Sustainable design professional
- Energy efficiency analyst
- Environmental protection and remediation
- Marine biology
- Geologist
- Oceanographer
- Hydrologist
- Geologic engineering
- Government research labs



Did you know?

Concern for the environment is the motivation to go 'green', with a sustainability degree! Students are realizing with a changing economy that green jobs are one of the hottest new careers that you can do anywhere in the world. EEOS faculty, graduate and undergraduate students conduct natural and social science research on a variety of issues affecting oceans and coastal areas locally and around the globe, including Brazil, Antarctica and Australia.



This school is authorized under federal law to enroll non-immigrant alien students. The University Pathways Program is not available to students from the People's Republic of China, for any campus of University of Massachusetts where Navitas operates this program. The information contained in this flyer is correct at the time of publication, however, Navitas at UMass Boston reserves the right to alter, amend or delete details at any time without notice.

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