



SCIENCE AND MATHEMATICS

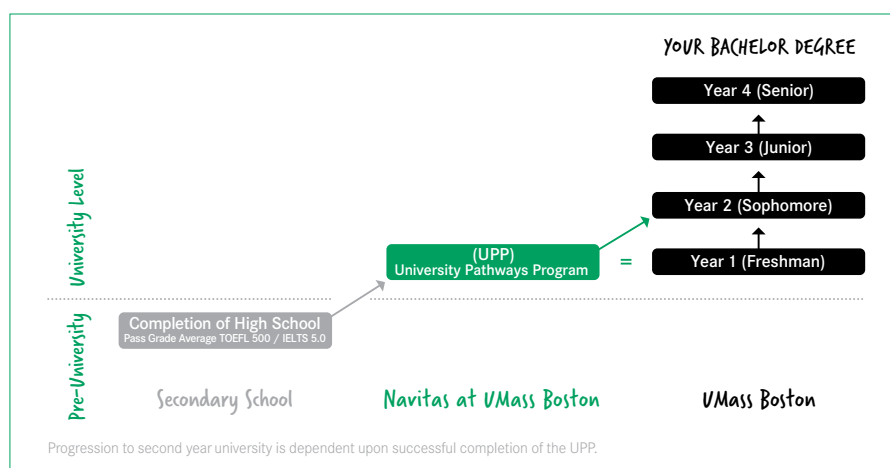
The Navitas at UMass Boston program offers an alternative pathway to the University of Massachusetts Boston for international students who may not qualify for direct entry and who seek a supportive study environment.

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.
- 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.
- First-rate faculty and diverse, high-achieving student body; the college offers innovative, interdisciplinary curricula tuned to the changing needs of the global economy.
- 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

Computer Science

- Bachelor of Science degree or Bachelor of Arts degree.
- Bachelor of Science accredited by ABET which assures quality for degree programs in applied science, computing, engineering, and technology.
- Rigorous education in theory and practice of Computer Science in addition to non-science courses.
- Bachelor of Arts provides emphasis on outside humanities.
- Both BA/BS can be used as a basis for many jobs in the industry or for graduate work in Computer Science and other fields.
- Curriculum stresses software development and training for students in areas such as systems programming, compiler development, artificial intelligence, database management, and software engineering.
- Graduates will be familiar with, and be able to apply, the following core information technologies to solve business problems:
 - Programming
 - Networking
 - Databases
 - Web Technologies

What careers can you pursue with a degree in Computer Science?

- Computer and information system management
- Computer scientist
- Computer support specialist
- Computer systems analyst
- Computer systems designer
- Computer programmer
- Database administrator
- Network administrator

Did you know?

The overall computer technology field is prospering, thanks to the increasing reliance of business and everyday affairs on computers. Employment opportunities for those in computer systems design will increase a whopping 48.78% during the 2008-18 decade!*



* U.S. Bureau of Labor Statistics

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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