

Bachelor of Science in Physics

Are you passionate about physics?

Do you want a career driven by curiosity and discovery?

Have you considered a
Bachelor of Science in Physics from AUS?



Physicists shape the world we live in, and are responsible for many of the world's most important scientific breakthroughs and discoveries, such as television, computers, nuclear technology and lasers. Physicists have been at the helm of quantum theory, the theory of relativity, the big bang theory and the splitting of the atom. Who knows where the physicists of the 21st century will take us next?

The Bachelor of Science in Physics (BSPHY) at AUS focuses on providing students with hands-on experience in state-of-the-art laboratories. Our world-class physics professors are involved in cutting-edge projects, including the **UAE's Mars mission**, **quantum materials with intriguing functionalities** and the development of **laser-based technologies** that can pave the way to many applications in **the medical and industrial sectors**.



The degree is offered through the university's College of Arts and Sciences (CAS), widely respected as being one of the region's leading providers of liberal arts education. Pursuing the BSPHY at CAS gives students a well-rounded university education, with the opportunity to select from a large and diverse range of electives covering a breadth of subjects.



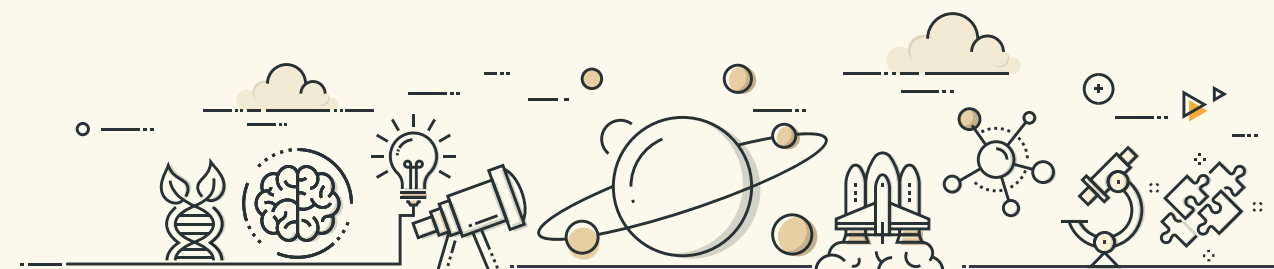
Where can a physics degree take me?



What will I learn?

Upon completion of the BSPHY program, students will be able to:

- apply the laws of physics to explain daily life phenomena
- design and conduct experiments, as well as interpret data using advanced analytical and characterization techniques
- develop theoretical and computing skills to describe and solve scientific problems
- demonstrate competence in critical thinking and professional communication using both oral and written means
- demonstrate an understanding of the impact of physics principles in global, economic, environmental and societal contexts



Why AUS?

Firmly grounded in principles of meritocracy and with a strong reputation for academic excellence, AUS has come to represent the very best in teaching and research, accredited internationally and recognized by employers the world over for creating graduates equipped with the knowledge, skills and drive to lead in the 21st century.

AUS is the first choice for the region's best and brightest students. Here is why:

- AUS boasts a dynamic on-campus community, with approximately 70 student clubs and regular cultural events and entertainment.
- The AUS student community is one of the most diverse in the world. It is among the top three universities with the highest percentage of international students (Times Higher Education World University Rankings 2021).
- Students from AUS are sought after by employers, known around the world for their outstanding skills and knowledge.
- American University of Sharjah is licensed and its programs are accredited by the Commission for Academic Accreditation of the Ministry of Education's Higher Education Affairs Division in the United Arab Emirates. AUS has been accredited in the United States of America by the Middle States Commission on Higher Education (1007 North Orange Street, 4th Floor, MB #166, Wilmington, DE 19801 USA) since June 2004.

Find out more about the BSPHY.

Contact us today

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www.aus.edu/physics

Apply now

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