Welcome to the College of Science (COS) at the United Arab Emirates University (UAEU).

Here you will find information about the programs offered in the College of Science. If you desire for more information, please contact us (cos.office@uaeu.ac.ae) or visit the campus and we will be pleased to introduce you to the College and show our excellent facilities.

The College of Science offers six undergraduate programs (Biology, Biochemistry, Chemistry, Geosciences, Mathematical Sciences and Physics); six M.Sc. programs (Environmental Sciences, Molecular Biology and Biotechnology, Chemistry, Mathematics, Physics and Space Science), two BS-MS programs in Physics and Mathematics and six PhD programs.

The College of Science emphasizes a solid learning environment through internationally accredited programs in mathematics and natural sciences that impart in its graduate the experimental nature of these sciences through laboratory-based coursework and practical field experimentation. In partnership with industries and organizations, Science students are offered a unique internship experience before they graduate. This opportunity prepares them for success and leadership in a highly competitive and rapidly changing global marketplace and to provide a high-quality technical workforce for the future.

The College of Science emphasizes an environment of learning through the experiential nature of laboratory-based coursework and practical field instruction. In partnership with industry and organizations, the goal is to prepare students for success and leadership in the highly competitive and rapidly changing global marketplace and to provide a high-quality technical workforce for the future.

Our College is dedicated to both education and career development. We nurture and encourage the transformation of our students into confident graduates with professional skills and qualities and enthusiasm for their chosen careers.

Whether the choice is Biology, Biochemistry, Chemistry, Geology, Mathematical Sciences or Physics, we challenge students to broaden their horizons and help them develop a lifelong interest in learning and the capacity for independent thinking, which are the hallmarks of successful leaders.

Prof. Maamar Benkraouda
Dean, College of Science
Quick Facts

Established: 1977

- **50+** Well Equipped Research Labs
- Chemistry program accredited by Canadian Society for Chemistry (CSC) in 2007, and by Royal Society of Chemistry, UK (RSC) in 2010 and 2016.
- B.Sc. in Biology obtained the first external accreditation from the Royal Society of Biology (RSB) in 2019
- BSc in Physics program is accredited by ANSAC-ABET in 2020
- **6 Undergraduate Programs**
- **6 Master’s Programs** accredited by CAA in 2017
- PhD Program in 6 Majors accredited by CAA in 2020

Distinguished Alumni

H.E. Dr. Rashid Ahmed bin Fahad
Minister of State and the Chairman of the Emirates Authority for Standardization and Metrology

- **135+** Faculty Members and Instructors
- **1600+** Undergraduate Students
- **139** Master Students
- **58** PhD Students

- **5** Student Clubs
- **400+** Faculty and Student Publications in 2020-2021
- **11:1** Student Faculty Ratio (FTE)

High quality teaching environment with modern research laboratories and equipment.
WHAT PROGRAMS DO WE OFFER?

UNDERGRADUATE PROGRAMS:
Bachelor of Science in Biology
Bachelor of Science in Biochemistry
Bachelor of Science in Chemistry
Bachelor of Science in Geosciences
Bachelor of Science in Mathematical Sciences
Bachelor of Science in Physics

MASTER’S PROGRAMS:
Master of Science in Environmental Science
Master of Science in Molecular Biology & Biotechnology
Master of Science in Chemistry
Master of Science in Mathematics
Master of Science in Physics
Master of Science in Space Science

PHD PROGRAM:
Doctor of Philosophy in Chemistry
Doctor of Philosophy in Geosciences
Doctor of Philosophy in Mathematical Sciences
Doctor of Philosophy in Physics
Doctor of Philosophy in Cellular and Molecular Biology
Doctor of Philosophy in Ecology and Environmental Sciences
**WHAT CAN I DO WITH MY DEGREE?**

### BIOLOGY
- Biological Expert
- Lab Specialist
- Forensic Detective
- Environmentalist
- Ecological & Biological Investigator
- Marine Researcher

### CHEMISTRY
- Chemical Expert
- Lab Specialist
- Forensic Investigator
- Scientist/Chemist
- Researcher
- Schools Teacher
- Hospital Lab Chemist
- Chemical Company Technician
- Biotechnology and Pharmaceutical Analyst
- Oil and Gas Quality Controller
- And Many More …..

### GEOSCIENCES
- Geologist/Director in Mineral Exploration
- Geologist/Director in Oil & Gas Industry
- Geologist/Director in Energy
- Expert/Director in Municipality
- Mineralogist/Manager in Mining Company
- Drilling Specialist
- Municipal Developer
- Urban Planning Expert
- Researcher
- Geochemist in Environmental & Water Sectors
- Teacher

### MATHEMATICAL SCIENCES
- Financial Officer
- Data Analyst
- Project Manager
- Account Manager
- Teller/Cashier Manager
- Banker
- Teacher

### PHYSICS
- Scientist
- Researcher
- Astronomy and Space Science Specialist
- Renewable Energy Specialist and Developer
- Industry Consultant
- Teacher

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**ADMISSION**

To find out more details about how to apply for any of our undergraduate and graduate programs, please visit our website.
WHY CHOOSE COS?

1. Graduate with a science degree from the nation’s premier university
   There are now over 100 universities in the UAE to choose from, but UAEU was the nation’s first, and it continues to be ranked as the best.

2. Choose from a wide selection of both undergraduate and postgraduate science degrees
   We offer Bachelors, Master’s, and PhD programs spanning a diversity of specializations: Biology, Chemistry, Biochemistry, Physics, Mathematics, Geology, Environmental Sciences, and Molecular Biology & Biotechnology.

3. Learn directly from leading scientists whose ground-breaking research is shaping the way we think about the world
   Faculty in the College of Science have strong track-records in high-impact science.

4. Develop the skills and credentials which will give you success in your career
   The College of Science has produced an impressive list of graduates who are now shaping the future as prominent leaders and innovators.

5. Provide unrivaled opportunities
   The College of Science offers an integrative educational environment to their students for their current and future careers.

6. Excellent opportunities to get involved in cutting edge research
   Get a chance to immerse yourself in research projects in a wide range of topics from astrophysics to cancer biology under dedicated faculty members and state-of-the-art laboratories.

7. Learn and develop skills for life
   Prepares you for the principles of the world around you.

8. Intellectual lifestyle
   The College of Science offers a fulfilling intellectual lifestyle where diverse interdisciplinary thinking broadens the student’s mind for future career opportunities.

9. Opportunity to work with an excellent research team
   Have the opportunity to work on important scientific questions at an undergraduate and graduate level alongside our world-class research teams.

10. Earn a degree from one of the best universities in the world
    Ranked among the best 400 universities in the world and internationally accredited by WASC.
STUDENT SUPPORT

Financial Aid
Health Services
Special Needs Services
Careers Office
Student Counseling
International Student Services
Academic Advisors
Writing, Reading & Speaking Centers
Security

CAMPUS LIFE

2 State-of-the-Art Gymnasiums
2 Olympic-Sized Swimming Pools
40+ Student Clubs and Societies
160+ High-Tech Laboratories
Cultural & Heritage Events
Food Courts & Retail Outlets
Modern Campus Residences
Student Activities Unit
and Much More..
CONTACT US

COLLEGE OF SCIENCE
United Arab Emirates University,
P. O. Box: 15551,
Al Ain, United Arab Emirates.
Tel: +971 3 713 6343
Email: cos.office@uaeu.ac.ae
Web: www.uaeu.ac.ae

RESEARCH AND GRADUATE STUDIES
Tel: +971 3 713 6353 / 6723
Email: cos.rgs@uaeu.ac.ae

ADMISSIONS
Tel: +971 3 713 4355
Fax: +971 3 763 4989
Email: undergradadmissions@uaeu.ac.ae,
postgradadmissions@uaeu.ac.ae

ACADEMIC ADVISOR (FEMALE CAMPUS)
Tel: +971 3 713 6352
Email: j.alshamsi@uaeu.ac.ae

ACADEMIC ADVISOR (MALE CAMPUS)
Tel: +971 3 713 6153
Email: rauda.hamad@uaeu.ac.ae

STUDENT TESTIMONIALS

“The PhD program at UAEU has been a great opportunity to conduct research in the UAE. This learning experience has been unique and deeply enriching, allowing me to develop many new skills.”

Rima Jabado,
First PhD graduate from COS

“I faced new challenges when completing my Master’s, at the same time I enjoyed this new added pressure while making new friendships. It opened my mind to ways of dealing with different obstacles I may face in life.”

Aysha Aldhaheri,
MSc in Environmental Science