

Welcome to the Faculty

Faculty of Science of the Maldives National University was inaugurated in August 2013 with the intention to establish a centre recognized nationally and internationally for quality teaching, scholarship and academic research in areas of science and information technology. We currently offer programs in Information Technology, Environmental Management and Science (Biology, Chemistry and Physics).

The Faculty offers a range of high quality Advanced certificates, Diplomas and Degrees in Information Communication Technology and Science. Available at Male' campus, as well as at MNU Hithadhoo, Thinhadhoo and Kulhudhuffushi campuses, our programs are well known for its quality and prestige. The faculty have access to modern computer and science laboratories for enhanced learning and skills development.

While very affordable, our courses equip you with the right knowledge, attitude and skills to give you a competitive advantage in finding a job. With the help of our energetic and highly qualified pool of academic staff, we would be able to take you to the next level of your career. There has never been a better time to choose one of our exciting programs and become a part of our distinctive learning community. We, thereby invite you to embark on this intellectual journey with us that will inspire you for a lifetime.



Title of Course
Bachelor of Science (Biology, Chemistry & Physics)

Duration
3 years (6 semesters)

Students can exit with an "Advanced Diploma in Science" after successful completion of the second year.

Overview

This course is a general science course with the opportunity for the students to specialize in biology, chemistry or physics.

The main aim of the degree is to develop students with a strong foundation and advanced knowledge in scientific principles in their chosen specialty. After completing this degree students will develop the skills required to work in variety of science related fields and will have a strong understanding of scientific principles, and the ability to analyze scientific information by identifying components, relationships and patterns, both in experimental data and ideas. Furthermore they will be able to discuss and evaluate scientific information from different sources and assess its credibility. They will have mastered an inquiry-based approach to science, learning how to form and articulate testable hypotheses, and design investigations to test them. They will also have learned basic laboratory techniques used in a variety of scientific sub-disciplines, and have the quantitative skills necessary to interpret findings.

Graduates will be able to follow careers in science teaching, research and developmental work, laboratory based jobs in healthcare, forensic science labs, environmental, meteorology and fisheries/agriculture sector. The degree will be a Maldivian qualification that will meet all the regulations set by Maldives Qualification Authority and fulfill international standards required for a first degree.

Admission/Entry Requirements:

☑ General Requirements

2 passes in GCE A' level and 3 passes in GCE O' level (Including Mathematics & Science subject); OR

MQA approved foundation studies level 2 target course; OR

MQA approved level 4 qualification in a relevant field or equivalent.

☑ Alternative Entry Requirements

20 years old with a pass in GCE O'level (or equivalent) and 2 years work experience in a relevant field.

🗉 Language Requirements

Certified proficiency in English (GCE O'L/ IGCSE English pass) or equivalent or satisfactory performance in a written test of English.

Course Structure

Bachelor of Science (Biology/ Chemistry/ Physics)

Semester	Core/ Elective	Subject Name	Pre-requisite	Credit Points
1	Core 1	Scientific and Analytical Skills	Nil	15
	Core 2	Mathematics for Scientists	Nil	15
	Core 3	Biology of Cells and Organisms	Nil	15
	Core 4	Principles of Physics	Nil	15
2	Core 5	Inorganic and Physical Chemistry I	Nil	15
	Core 6	Organic Chemistry I	Nil	15
	Core 7	Life on Earth	Nil	15
	Core 8	Thermodynamics and Modern Physics	Nil	15

Exit with a Diploma in Science



year
01

Course Structure

Biology

Semester	Core/ Elective	Subject Name	Pre-requisite	Credit Points
3	Core 9	Research Methods and Experimental Design	Nil	15
	Core 10	Instrumental Analysis	Core 1	15
	Core 11	Biochemistry and Molecular biology	Core 3	15
	Core 12	Human Anatomy, Physiology and Pharmacology	Core 3	15
4	Core 13	Ecology and Environmental Systems	Nil	15
	Core 14	Marine Biology	Nil	15
	Core 15	Microbiology	Nil	15
	Core 16	Human Health and Disease	Core 3	15

Exit with an Advanced Diploma in Science

5	Core 17	Science Communication	Nil	15
	Core 19	Research Project	Core 9	30
	Elective1	Choose from elective list		15
	Elective2	Choose from elective list		15
6	Core 20	Science and Society	Nil	15
	Core 19	Research Project (continuing)	Core 9	-
	Elective3	Choose from elective list		15
	Elective4	Choose from elective list		15

year
2&3



Semester	Core/ Elective	Subject Name	Pre-requisite	Credit Points
3	Core 9	Research Methods and Experimental Design	Nil	15
	Core 10	Instrumental Analysis	Core 1	15
	Core 11	Organic chemistry II	Core 6	15
	Core 12	Environmental Chemistry	Nil	15
4	Core 13	Fundamentals of Analytical chemistry	Nil	15
	Core 14	Material Science	Nil	15
	Core 15	Medicinal Chemistry	Core 6	15
	Core 16	Inorganic and Physical Chemistry II	Core 5	15
Exit with an Advanced Diploma in Science				
5	Core 17	Science Communication	Nil	15
	Core 19	Research Project	Core 9	30
	Elective1	Choose from elective list		15
	Elective2	Choose from elective list		15
6	Core 20	Science and Society	Nil	15
	Core 19	Research Project (continuing)	Core 9	-
	Elective3	Choose from elective list		15
	Elective4	Choose from elective list		15



Semester	Core/ Elective	Subject Name	Pre-requisite	Credit Points
3	Core 9	Research Methods and Experimental Design	Nil	15
	Core 10	Mathematics for Physicist	Core 2	15
	Core 11	Green Buildings and Sustainability	Nil	15
	Core 12	Earth System Science	Nil	15
4	Core 13	Electrical Technology	Core 4	15
	Core 14	Electronics and Electrical principles	Nil	15
	Core 15	Power Generation	Nil	15
	Core 16	Quantum physics	Core 8	15
Exit with an Advanced Diploma in Science				
5	Core 17	Science communication	Nil	15
	Core 18	Research Project	Core 9	30
	Elective1	Choose from elective list		15
	Elective2	Choose from elective list		15
6	Core 19	Science and society	Nil	15
	Core 19	Research Project (continuing)	Core 9	-
	Elective3	Choose from elective list		15
	Elective4	Choose from elective list		15

Electives

Electives can be chosen from the following areas; Fisheries and Agriculture, Forensic Science, Environmental Science, Meteorology, Molecular Biology



Introducing Bachelor of Science

Biology
Chemistry
Physics

NURTURING THE
NEXT GENERATION OF
INTELLECTUALS, NOW.

INCLUDING
Applied Science & Research Modules



APPLY NOW