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GENERIC COURSE DESCRIPTIONS BY CATEGORIES USED IN THE HEAC STUDENT GUIDE

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- ENGINEERING & RELATED TECHNOLOGIES
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THE YDYF MAGAZINE SPECIAL SUPPLEMENT'S CONTENT HAS BEEN PUT TOGETHER BASED ON INPUTS FROM MAIN YDYF EDITORIAL BOARD MEMBERS, GUEST CONTRIBUTORS, AS WELL AS THE NATIONAL CAREER GUIDANCE CENTER, MINISTRY OF EDUCATION (MoE),

THE DIRECTORATE-GENERAL OF SCHOLARSHIPS, MINISTRY OF HIGHER EDUCATION (MOHE) AND THE HIGHER EDUCATION ADMISSION CENTER (HEAC), MOHE.

FOR MORE INFORMATION, PLEASE WRITE TO:

YDYF@MOHE.GOV.OM AND VISIT WWW.MOE.GOV.OM,

WWW.MOHE.GOV.OM, WWW.HEAC.GOV.OM AND WWW.YDYFMAGAZINE.COM

MAIN EDITORS

SARA ALHADABI, MOHAMMED ALBALUSHI, DEEPA RAJAN AND BREGJE ALMAWAALI

DESIGNERS & CREATIVE LEAD:

ALIYA ALWAHAIBI, KHOULA ALWAHAIBI AND BREGJE ALMAAWALI

DISCLAIMER: We have included a summary of whether courses are available in Oman and/or abroad. However, for more details about which scholarships cover courses, please also refer to the HEAC Student Guide. The course descriptions in this section are generic and should be treated only as guidelines that will help you make well-informed decisions while applying for scholarships and/or to Higher Education Institutions (HEIs). It is important to keep in mind that course content and teaching methods may differ from one institution to another (even if the course title is the same or similar). Refer to the websites of approved HEIs as part of your thorough research. We have also listed all the approved HEIs in Oman and abroad in another SPECIAL SUPPLEMENT TO THIS MAGAZINE.

Although the content of this section has been painstakingly put together by experts from the Ministry of Education (MoE) and Ministry of Higher Education (MoHE) to make sure you, dear students, are provided with accurate and comprehensive information, in case of any ambiguities and/or discrepancies between the content of this section and what has been published in official Government publications, please note that in such events, the content of official Government publications shall prevail.

WHILE NAVIGATING YOUR OPTIO

Having many options or courses to choose is a true luxury. At the same time, it can make you feel like you are no longer able see the forest for the (many) trees.

HAVE YOU ALWAYS
KNOWN WHAT YOU
WANTED TO BE
WHEN YOU 'GROW
UP' OR DO YOU FIND
IT CHALLENGING
TO CHOOSE DUE TO
HAVING SO MANY
OPTIONS AND/OR A
BROAD INTEREST?





There is so much to consider when choosing a suitable higher education course

Does it suit your interests? Is it something that you have aptitude for? What will career prospects be like? We can only gently nudge you towards making an informed choice and encourage you to ask yourself some critical questions:

ARE YOU GOING TO CHOOSE THE EVER SO POPULAR COURSES OR SOMETHING THAT IS A LITTLE OFF THE BEATEN TRACK?

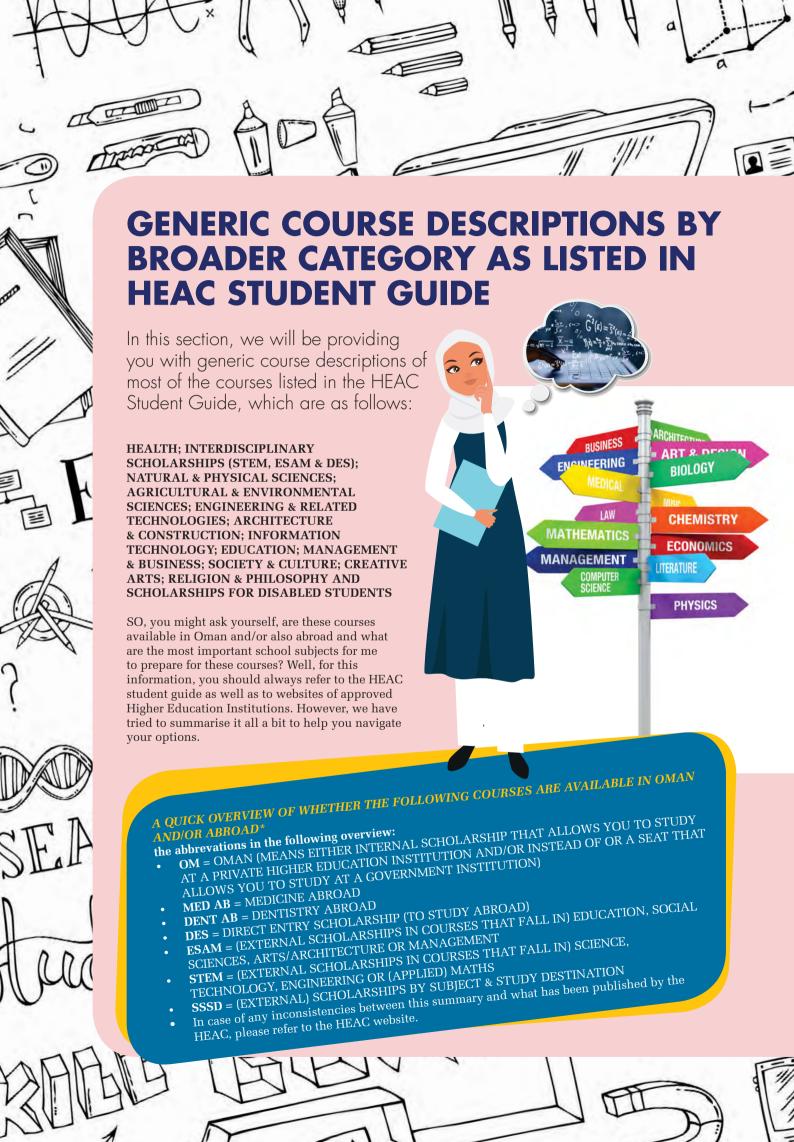
One of the questions that may crop up is "Do I choose a popular path, or do I choose something that is a little off

HAVE YOU CONSIDERED DOING SOMETHING DIFFERENT?

the beaten track?" What helps is taking a macro approach to the decision making process and asking yourself where you would rather be in the long term.

Of course, we all agree that there is a certain comfort in choosing the most popular courses in the most popular destinations, but then for those of you who are looking for something that is probably not as conventional, there are plenty of recommended higher education institutions that offer a diverse range of courses to choose from.

In the end, it is very important to be aware of your interests, passions, and aptitude before making any higher education choices.



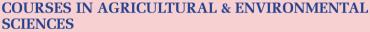


COURSES IN THE CATEGORY HEALTH

AUDIOLOGY (SSSD, STEM, DES); BIOMEDICAL SCIENCES (SSSD, STEM, DES, OM); DENTAL TECHNOLOGY (SSSD; STEM, DES); DENTISTRY (DENT AB, OM); DIAGNOSTIC OR MEDICAL IMAGING (SSSD, STEM, DES); DIETETICS (SSSD, STEM, DES); MEDICAL ENGINEERING (SSSD, STEM, DES); MEDICAL LABORATORY SCIENCE (SSSD, STEM, DES, OM); MEDICAL PHYSICS (SSSD, STEM, DES, OM); MEDICINE (MED, DES, OM); MPHARM (STEM, DES); NURSING (OM, SSSD, STEM, DES); OCCUPATIONAL HEALTH & SAFETY (SSSD, STEM, DES); OCCUPATIONAL THERAPY (SSSD, STEM, DES); ORAL HEALTH (SSSD, STEM, DES); PARAMEDIC SCIENCE (SSSD, STEM, DES, OM); PHYSIOTHERAPY (SSSD, STEM, DES, OM); PODIATRY (SSSD, STEM, DES); PROSTHETICS & ORTHOTICS (SSSD, STEM, DES); PUBLIC HEALTH (PROMOTION) (SSSD, STEM, DES); RADIATION THERAPY OR RADIOTHERAPY (SSSD, STEM, DES); SPEECH & LANGUAGE THERAPY (SSSD, STEM, DES); SPORT REHABILITATION (SSSD, STEM, DES); VETERINARY MEDICINE (DES)



ASTRONOMY (SSSD, STEM, DES); ASTROPHYSICS (SSSD, STEM, DES); BIOLOGICAL SCIENCES (SSSD, STEM, DES, OM); BIOLOGY (SSSD, STEM, DES, OM); BIOCHEMISTRY (SSSD, STEM, DES); BUSINESS STATISTICS (SSSD, STEM, DES, OM); CHEMISTRY (SSSD, STEM, DES, OM); EARTH SCIENCES (SSSD, STEM, DES, OM); ENVIRONMENTAL SCIENCES (SSSD, STEM, DES, OM); ECOLOGY (STEM, DES); FORENSIC SCIENCE (SSSD, STEM, DES); GEOLOGY (SSSD, STEM, DES, OM); GEOLOGICAL SCIENCES (SSSD, STEM, DES, OM); GEOPHYSICS (SSSD, STEM, DES); GEOCHEMISTRY (SSSD, STEM, DES)



PLEASE REFER TO THE HEAC GUIDE FOR MORE INFORMATION ABOUT THE AVAILABILITY OF SPECIFIC COURSES IN OMAN AND/OR ABROAD (SSSD, STEM AND/OR DES)P LEASE NOTE THAT ENVIRONMENTAL SCIENCES AS SUCH FALLS UNDER NATURAL & PHYSICAL SCIENCES

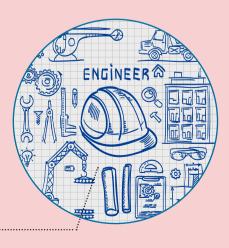
COURSES IN ENGINEERING & RELATED TECHNOLOGIES

AERONAUTICAL ENGINEERING (STEM, DES, OM); ARCHITECTURAL ENGINEERING (STEM, DES, OM); BUILDING SERVICES/MAINTENANCE ENGINEERING (SSSD, STEM, DES); CHEMICAL ENGINEERING (STEM, DES, OM); CONSTRUCTION ENGINEERING (STEM, DES, OM); COMPUTER ENGINEERING (STEM, DES, OM); CONSTRUCTION ENGINEERING (SSSD, STEM, DES, OM); CIVIL ENGINEERING (SSSD, STEM, DES, OM); COMMUNICATION SYSTEMS ENGINEERING (SSSD, STEM, DES, OM); ELECTRICAL AND/OR ELECTRONIC(S) ENGINEERING (SSSD, STEM, DES, OM); ENVIRONMENTAL ENGINEERING (SSSD, STEM, DES, OM); EMBEDDED SYSTEMS ENGINEERING (SSSD, STEM, DES)FIRE SAFETY ENGINEERING (OM, STEM, DES); GEOLOGICAL ENGINEERING (STEM, DES); INDUSTRIAL ENGINEERING (SSSD, STEM, DES, OM);LOGISTICS ENGINEERING (SSSD, STEM, DES); MATERIALS ENGINEERING/SCIENCE (SSSD, STEM, DES); MINING ENGINEERING (SSSD, STEM, DES); METALLURGICAL ENGINEERING/METALLURGY (SSSD, STEM, DES); MECHANICAL ENGINEERING (SSSD, STEM, DES, OM); MECHATRONICS/ MECHATRONIC ENGINEERING (SSSD, STEM, DES, OM); MARINE ENGINEERING (STEM, DES, OM); MINERAL RESOURCE ENGINEERING (SSSD, STEM, DES); NETWORK ENGINEERING (STEM, DES, OM); PETROLEUM OR OIL & GAS ENGINEERING (SSSD, STEM, DES, OM); PHOTOVOLTAICS & SOLAR ENERGY ENGINEERING (SSSD, STEM, DES); POWER ENGINEERING (STEM, DES, OM); RENEWABLE ENERGY ENGINEERING (SSSD, DES, OM); SYSTEMS (DESIGN) ENGINEERING (SSSD, STEM, DES, OM); SURVEYING ENGINEERING (SSSD, STEM,DES); SUSTAINABLE ENGINEERING (SSSD, STEM, DES); STRUCTURAL ENGINEERING (SSSD, STEM, DES) TRANSPORT ENGINEERING (SSSD, DES, STEM); QUANTITY ENGINEERING (DES, STEM, SSSD, OM)

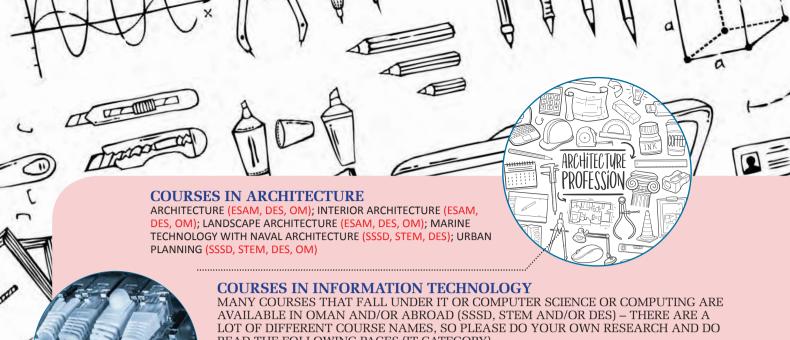












READ THE FOLLOWING PAGES (IT CATEGORY)

COURSES IN EDUCATION

PLEASE REFER TO THE COURSE DESCRIPTIONS -CURRENTLY, ONLY SECONDARY SCHOOL TEACHING IN MATHS, LAB SCIENCE OR ENGLISH ARE COVERED BY SSSD. OTHER COURSES ARE AVAILABLE IN OMAN AND SPECIFIC COURSES MIGHT BE COVERED BY ESAM AND DES – PLEASE REFER TO THE HEAC STUDENT GUIDE



COURSES IN MANAGEMENT & BUSINESS

(most of the following courses are available in either Oman and/or abroad (SSSD, ESAM and/ or DES) please refer to the HEAC Student Guide)

ACTUARIAL SCIENCE; ACCOUNTING; AUDITING; AVIATION MANAGEMENT; ADVERTISING; AIRPORT SECURITY MANAGEMENT; BANKING; BUSINESS ADMINISTRATION; BUSINESS ANALYTICS; ENTERPRISE/ENTREPRENEURSHIP; EMERGENCY ADMINISTRATION & PLANNING; EVENT MANAGEMENT; ENVIRONMENTAL MANAGEMENT; FINANCE; FINANCIAL RISK MANAGEMENT; FINANCIAL SERVICES; HUMAN RESOURCE DEVELOPMENT; HOTEL MANAGEMENT; INVESTMENT INSURANCE; ISLAMIC BANKING; LOGISTICS AND/OR SUPPLY CHAIN MANAGEMENT; LEADERSHIP STUDIES; MANAGEMENT; MARKETING; PUBLIC RELATIONS; PROJECT MANAGEMENT; RETAILING OR RETAIL MANAGEMENT; RISK MANAGEMENT; SUPPLY CHAIN MANAGEMENT OR TOURISM MANAGEMENT.

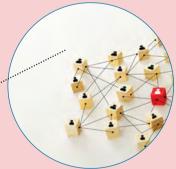


ARCHEOLOGY (SSSD, ESAM, DES); CRIMINOLOGY (SSSD, ESAM, DES); CULTURAL HERITAGE STUDIES (SSSD, ESAM, DES); ECONOMICS (OM, SSSD, ESAM, DES); LAW (OM, SSSD, ESAM, DES); PSYCHOLOGY - NOT CLINICAL (SSSD, ESAM, DES)



COURSES IN CREATIVE ARTS

ANIMATION (SSSD, ESAM, DES, OM); ART GALLERY STUDIES (SSSD, ESAM, DES, OM); DIGITAL MEDIA (SSSD, ESAM, DES, OM); FINE ARTS (SSSD, ESAM, DES, OM); GRAPHIC DESIGN (SSSD, ESAM, DES, OM); JOURNALISM (SSSD, ESAM, DES, OM); MUSEUM STUDIES (SSSD, ESAM, DES); TV AND/OR FILM PRODUCTION (SSSD, ESAM, DES) VISUAL ARTS (SSSD, ESAM, DES, OM)



FOR MORE DETAILS ABOUT WHICH SCHOLARSHIPS, SEATS AND/OR GRANTS COVER COURSES, REFER TO THE HEAC STUDENT GUIDE. READ THE GENERIC COURSE DESCRIPTIONS ON THE FOLLOWING PAGES AND THEN....DO YOUR OWN RESEARCH. THE DESCRIPTIONS ON THE FOLLOWING PAGES, LISTED BY SECTION, ARE VERY BRIEF AND GENERIC AND SHOULD BE TREATED ONLY AS GUIDELINES THAT WILL HELP YOU MAKE WELL-INFORMED DECISIONS WHILE APPLYING FOR SCHOLARSHIPS AND/OR TO HIGHER EDUCATION INSTITUTIONS (HEIS). IT IS IMPORTANT TO KEEP IN MIND THAT COURSE CONTENT AND TEACHING METHODS MAY DIFFER FROM ONE INSTITUTION TO ANOTHER (EVEN IF THE COURSE TITLE IS THE SAME OR SIMILAR). PLEASE REFER TO THE WEBSITES OF HIGHER EDUCATION INSTITUTIONS AS PART OF YOUR THOROUGH RESEARCH. FOCUS ON THE COURSE STRUCTURE AND THE SUBJECTS!

THE OFFICIAL LISTS OF APPROVED HEIS IN OMAN AND ABROAD HAVE BEEN INCLUDED IN THE FOURTH SECTION OF THIS MAGAZINE: COUNTRIES AND LISTS OF APPROVED UNIVERSITIES BY SCHOLARSHIP.



SHORT DESCRIPTIONS OF UNDERGRADUATE COURSES IN THE AREA OF HEALTH



- In this section, we look at the health sector and the course options for those who want to be part of it, be it is as a doctor, nurse, paramedic, scientist or a medical engineer, to name but a few examples.
- This global pandemic has brought to the fore the work of medical experts, who have been at the frontlines, ensuring that we receive detailed and verified explanations on a lot of things, allowing us to develop a better understanding of the disease and also how the health sector functions. This is not something new.
- Healthcare workers have always been performing roles of credible information providers, albeit not under the current circumstances. This is, perhaps, the first time many of us have seen and understood what healthcare workers do from such close quarters.

WHO EXACTLY IS A HEALTHCARE WORKER?

A healthcare worker is one who delivers care and services

to sick and ailing people either directly as doctors and nurses or indirectly as aides, helpers, laboratory technicians, scientists or even medical waste handlers. Is it rewarding to work as a health professional? Absolutely YES, if you care about helping

people. Is it easy to work as health professional? Absolutely NOT. It is a profession that can take its toll and requires fortitude, perseverance, and patience. Also, not everyone who works in the health sector, deals directly with patients. Even those who deal directly with people (patients), are part of a team, in which each member plays an important role.

WHAT ARE THE ESSENTIAL SCHOOL SUBJECTS?

The criteria may vary from one course to another – e.g. for most of the courses in Medicine, you require very good grades in CHEMISTRY and preferably 1 or 2 from Biology, Maths and/or Physics, while for more



technical courses like Diagnostic Imaging or Medical Physics, you require Maths and Physics, while for many other courses Biology and Chemistry are considered essential.

WHICH SCHOLARSHIPS, SEATS AND/OR GRANTS COVER COURSES IN THE HEALTH CATEGORY?

Courses are available in Oman and/or abroad and a few courses are only available abroad. Please refer to the overview included in the introduction to this section and the HEAC Student Guide for more details.

NOTE: Please check the requirements published by the approved universities and bear in mind that even if you meet the scholarship criteria that consist of several related courses, further subject-specific criteria may still apply and the Ministry CANNOT guarantee that you can study your preferred course.



DESCRIPTIONS

I MET WITH REAL HEALTHCARE WORKERS AT A HOSPITAL TODAY!





AUDIOLOGY

This involves the study of hearing. An Audiologist is a licensed hearing health care professional who specialises in the diagnosis and treatment of hearing loss and balance disorders in adults and children.

NOTE: An Audiologist is NOT a medical doctor while in order to call yourself an Audiologist, you usually need a Master's degree, which is normally not covered by an external undergraduate scholarship.

WHAT IS ..

For more detailed descriptions of courses, refer to the websites of approved Higher Education Institutions.



BIOMEDICAL SCIENCES

This is a very broad subject area and covers many courses. Students are advised to conduct a market research before choosing this area of study because it is currently not been specifically required by the Ministry of Health, with the exception of Medical Laboratory Science, while some students pursue Biomedical Sciences in the hope to pursue Medicine at graduate level.



DENTISTRY

Dentists are doctors who prevent and cure teeth diseases and help raise awareness about dental health.

"PAEDIATRIC DENTISTRY IS A VERY CHALLENGING SPECIALITY, IF YOU ARE SURE THIS IS WHAT YOU WANT TO DO THEN BE READY FOR THE CHALLENGE. I WOULD LIKE TO ADVISE STUDENTS TO LOOK AT THE RANKING OF THE PROGRAMME, SYLLABUS AND MAKE SURE THAT THEY GET ENOUGH CLINICAL TRAINING AS WELL THEORY." Suhaila Al-Bahlani, Senior Consultant Paediatric Dentistry, Community Dental Center









DIETETICS

Dietetics is the study of human nutrition in view of maintaining a good health.

NOTE: Ministry of Health wants graduates in Dietetics. This IS NOT Nutrition, which is a different major.



DIAGNOSTIC OR MEDICAL IMAGING

Learn how to operate X-ray and other imaging equipment to help diagnose disease or injury. Both course names are used interchangeably but should not be confused with Radiation Therapy.





DENTAL TECHNOLOGY

Professionals who make dentures, crowns, bridges and dental braces. NOT to be confused with Dentists. MPharm is considered an undergraduate degree but includes Lab based training and is required by the Ministry of Health.

DID YOU KNOW? Pharmacists, in particular those who have studied MPharm, can play a very crucial and supportive role at hospitals where they are often consulted by doctors in view of prescriptions, to confirm that these medicines don't interact or don't cause an allergic reaction!







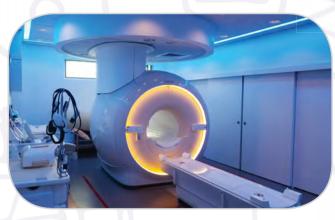
MEDICINE

Are you passionate about SCIENCE, and Chemistry in particular? Are you interested in APPLYING RESEARCH FINDINGS to help IMPROVE the LIVES of PEOPLE? Are you interested in a MEANINGFUL career and a PEOPLE'S person and ready to help and communicate with different patients with different needs? A Bachelor of Medicine, Bachelor of Surgery is the first step towards becoming a Doctor of Medicine. It is not a profession to be taken lightly and people's skills are crucial. Studying Medicine may offer a prestigious and rewarding career that allows you to help others, however, you need to be passionate about this pathway and do not choose only because it is expected from you as it may get stressful and frustrating at times.

"TRAUMA CAUSES PAIN, SUFFERING, AND DEATH.
TRAUMA SURGEONS OFTEN HAVE TO RUN INTO
SITUATIONS THAT MAKE OTHERS RUN IN THE
OPPOSITE DIRECTION. IF YOU WANT TO BE
THE PERSON THAT BRINGS CALM IN CHAOTIC
SITUATIONS AND LEADS YOUR PATIENT AND TEAM
TO SAFETY, THEN THIS IS YOUR CALLING. I WOULD
BE MORE THAN HAPPY TO ADVISE THOSE WHO
WANT TO SPEND THEIR LIFETIME SAVING OTHER
PEOPLE'S LIVES."

- Dr Abdullah AlHarthi, trauma surgeon*, intensivist** and Director-General of Khoula Hospital, Sultanate of Oman
- *Trauma surgeons treat injuries caused by an impact, a car accident for example.
- **An **intensivist** is a doctor, who provides special care for critically ill patients.

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MEDICAL PHYSICS

Learn about new technologies to be used in diagnostic radiology.

MEDICAL LABORATORY SCIENCE

This is a health science and provides a specialised training in the various laboratory testing disciplines, such as microbiology, biochemistry, and haematology.



MEDICAL ENGINEERING

For students who are interested to maintain or repair medical equipment used in hospitals.



NURSING

Nurses are integral and therefore very important members of the healthcare team and at hospitals, they work closely with doctors. Remember what the British PM said about his recovery from Covid-19: That it (his recovery) all came down to wonderful Nursing!



OCCUPATIONAL HEALTH & SAFETY

These experts check whether a workplace is safe enough to protect workers from injuries – e.g. are they using the right chairs, computer screens and so on so forth.

This is NOT the same as Occupational Therapy.











OCCUPATIONAL THERAPY

IMAGINE you are an emergency doctor and because you have been working on the frontline, you caught the novel Coronavirus due to the exposure and fall ill. You recover but you are mentally and physically still affected because "you hardly ever got ill" while this virus is known to have an enduring effect on some people. Or imagine you have been in a car accident and have to recover and return to running the household?

This is when you might work with a Occupational Therapist to return to work. Occupational therapists treat people who have been ill – either physically and/or mentally – and help them to (again) carry out their daily tasks and/or achieve their goals.

This is NOT the same as Occupational Health/Safety, Sport Rehab or Physiotherapy.



ORAL HEALTH

You learn to deliver dental hygiene and therapeutic dental health treatment services. Think of looking after cavities and gum inflammation. However, it does NOT qualify you to become a Dentist.

"I hope to study Medicine because it has a humane aspect that focuses on serving humankind."

Mohammad Rashid Al-Kharusi on why he wants to study Medicine





PUBLIC HEALTH PROMOTION

You learn to create campaigns around Public health policies and announcements (Example: Covid-19 awareness campaign to raise awareness about washing hands and keeping a physical distance to help spread this communicable disease)



PODIATRY

A doctor who is specialised in the medical treatment of people's feet, including patients who suffer from Diabetes.



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PROSTHETICS & ORTHOTICS

This is about medical devices. Prosthetic device means a replacement of limbs following amputation and orthotic devices is about enhancing as person's limb (not amputated)



PHYSIOTHERAPY

You will learn how to help people with physical problems caused by illness, injuries or aging through movement and exercise, physical therapy and advice.

IMPORTANT NOTE: Bear in mind that a physiotherapist is required to touch people's bodies, which is not something that might be to everyone's liking.



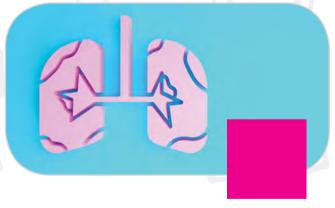
PARAMEDIC SCIENCE

You will train to become a first responder. A first responder is usually the first to reach the site of a medical emergency. You will learn to drive an ambulance and to provide medical care. Paramedics are not doctors, but they are highly trained medical professionals able to work under a lot of pressure.



RESPIRATORY CARE/THERAPY

Learn to treat people with health issues affecting breathing and the cardiopulmonary system (hearts and lungs) – think of asthma, for example. This is a very important health profession!



"I am interested in working as part of a team that strives to serve others. It also suits my nature as someone who likes to engage with different types of people. Additionally, Medicine offers a range of opportunities after graduation. It is an indispensable profession because the world is in constant need for more doctors."

> Hamoud Al-Aufi on why he wants to study Medicine



RADIATION THERAPY OR RADIOTHERAPY

Radiation therapists expose parts of the human body affected by tumours to radiation to help treat and manage the disease.



SPORT REHABILITATION

Combines the principles of science, anatomy and exercise science to help heal the human body.





SPEECH & LANGUAGE THERAPYY

You will learn how to treat, manage, support for those who have difficulties with communication and also eating or swallowing.

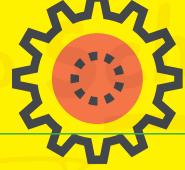


VETERINARY MEDICINE

Also known as a VET. VETs are doctors who treat animals, NOT humans.







COURSE IN HEALTH?





THE HEALTH SECTOR - NOT JUST FOR DOCTORS

Are you a high achiever and someone who likes to help and cure people, solve problems?

- Do you have an aptitude for Chemistry and Biology?
- O Great! Medicine might seem like the natural choice. But it is no longer just about becoming doctors, who still continue to be a valuable resource to the country. There are more choices. Also remember that Medicine is a rigorous programme and not everyone is cut out for it.

DO YOU HAVE ALL THE QUALITIES TO MAKE A GOOD DOCTOR INCLUDING THE STAMINA (TOUGHNESS)?

Some people say that doctors and nurses are superheroes. However, they are as human as the rest of us. Their jobs are rewarding but at the same time demand a lot out of them and can get tough.

- You really need to have the confidence and passion to be able to pursue this career.
- There are many different types of doctors, from paediatricians to general physicians to emergency physicians.





MAKE SURE YOU CHOOSE MEDICINE FOR THE RIGHT REASONS

Sure, studying Medicine may offer a rewarding career that is prestigious, secure and well paid. However, do NOT choose Medicine primarily because of the social status and/or just because it is EXPECTED from you. You really need to be passionate about this pathway as practising Medicine will get stressful and frustrating at times.

ASK YOURSELF

- Are you passionate about SCIENCE, and Chemistry in particular? Are you interested in APPLYING RESEARCH FINDINGS to help IMPROVE the LIVES of PEOPLE?
- Are you interested in a MEANINGFUL career and a PEOPLE'S person and ready to help and communicate with different patients with different needs?
- Are you a TEAM player?
- Are you willing and able to work under stressful circumstances?
- Are you tough enough to be able to see blood, organs and, sometimes, even see terrible things and still carry out your duties?
- Are you a perfectionist and a high achiever who, at the same time, also understands that you can only do your best and cannot control everything?
- Read about the course structure on the websites
 of the Medical Schools and talk to real health
 care providers or read what they have to say in
 the media.

OTHER COURSES IN HEALTH

The health sector offers you many other equally interesting and relevant avenues such as Nursing and Paramedicine, Podiatry, Physiotherapy, Dentistry to name but a few.



Universities ask for minimum requirements on all their programmes. These are usually high for Medicine and Dentistry programmes but this is because there is strong competition for Medicine and only students with the right abilities will succeed. If you meet these requirements then you have the potential to pass the programme, so go ahead and apply!

AS MENTIONED IN THE HEAC GUIDE, FURTHER REQUIREMENTS IN ADDITION TO THE SUBJECT-SPECIFIC REQUIREMENTS MAY APPLY, AND WE CANNOT GUARANTEE THAT YOU WILL MEET ALL THESE CRITERIA.

WHAT ARE INTERVIEWS AND HOW TO PREPARE FOR THEM?

A limited number of 'interview-based'. This means you have to sit for an interview in order to continue to competitively apply for the scholarship.

Other scholarships in Medicine may have been marked

as 'interview-based'. However, this does not mean that an interview will not take place during your foundation programme. During interviews, you will be assessed on your personal attributes that are considered to be important for those wishing to study and pursue career in the field. These include, but are not limited to, communication skills, maturity, knowledge of Chemistry and the human body and career choice. It is essential for you to be able to explain WHY you want to become a health professional. You cannot just say "I like to help people". You also need to be able to demonstrate what you did/have been doing to demonstrate that this is true (this could be through your extra-curricular activities!)

WHAT ARE APTITUDE TESTS?

APTITUDE means a (natural) ability to do something and is considered an indicator of your intrinsic motivation to study Medicine or Dentistry. You cannot study for this test but you can (and must) practise for it.



UNDERSTANDING IMMUNOLOGY

O&A with Professor Paul Garside, College of Medical. Veterinary and Life Sciences, University of Glasgow

Who is an Immunologist?

"Immunologists can be basic, applied, or clinical

scientists working in a range of different environments from academia to clinical testing labs to pharmaceutical company. However, it is also important to note that studying immunology (like many other life sciences) can open up a wider range of careers, including those in research management and administration, science communication, teaching and patent law."

Value of Generic Skills

"It is also worth remembering that the generic skills also acquired during and life science degree (e.g. report writing, presentation and communication, team working, management etc) prepare someone for an almost limitless number of job possibilities."

NURSES: VITAL HEALTHCARE TEAM **MEMBERS**

Q& A with Dr. Broussard from College of Nursing & Allied Health Professions, University of Louisiana at Lafayette

What does Nursing Involve?

"Nurses collaborate with all members of the health care team to provide the care needed by each patient as an individual, and also to meet the needs of communities. Every day, and particularly in times of crisis, registered nurses must be competent in both the art and the science







STUDY NURSING AT A TOP UNIVERSIT

PROGRAM HIGHLIGHTS

The Department of Nursing Simulation Program is fully accredited by the Society for Simulation in Healthcare, and is one of only 130 accredited programs worldwide.

Students conduct cutting-edge research, educate the community, and deliver compassionate care to patients of all ages and cultures through clinical experiences.

Degrees prepare graduates for challenging roles in nursing practice and education.

For more information, call +1 (337) 482-6819, or email OIA@louisiana.edu.

Pass rate for the NCLEX-RN exam in 2018 and 2019

Graduate nursing programs at UL Lafayette are

"some of the country's best."

- U.S. News & World Report, 2020 edition of "Best Colleges"

THE MINISTRY'S ONLY APPROVED NURSING COURSE IN THE U.S. FOR OMANI SCHOLARSHIP STUDENTS.





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of the profession. Healing, caring, and advocating for their patients are fundamental expectations of each nurse, and these qualities make nursing consistently the most trusted profession."

Beyond Patient Care

"Roles range from direct patient care and case management to establishing nursing practice standards,

developing quality assurance procedures, directing complex nursing care systems, conducting clinical research and teaching in nursing programmes, as well as practicing in many other settings. These settings often include acute care patient units, but also extend to public health clinics, schools, prisons, pharmaceutical companies, occupational health practices, and many others."

"Nurses may practice at an advanced level (APRN) in four major roles as Nurse Midwife; Nurse Practitioner; Certified Registered Nurse Anesthetist; Clinical Nurse Specialist. Each

of these roles requires a minimum of a master's degree in nursing, as well as certification in a specialty area.

"There are many reasons why someone may choose to become a registered nurse. First and foremost is the ability to have a positive impact and to make a difference in the life of someone in need. Nursing is a highly respected profession which offers a very competitive salary, a



flexible work schedule, and endless opportunities for professional growth. A registered nurse can work in a variety of work settings, pursue a variety of specialisations within the profession, and benefit from steady industry growth."

Doctors & Nurses: A Complementary Relationship

"The roles of the physician and registered nurse are different, but complementary. One cannot perform their full scope of practice without the other. Nurses typically have a closer relationship with the patient since they spend more time with them. Many doctors complete their training in a specialty area, while education for nurses prepares them as "generalists". Nurses often choose to specialise after they begin their professional practice, and elect to pursue an advanced degree. Professional nursing practice requires a high level of intellectual ability to provide the complex care that is needed in today's health care setting. When comparing the roles of doctors and nurses, the perception is not which one is 'higher' than the other but recognising the valuable contributions that each healthcare provider brings to a patient's experience and the complementary nature of the relationship."

"The roles of the physician and registered nurse are different, but complementary. One cannot perform their full scope of practice without the other. Nurses typically have a closer relationship with the patient since they spend more time with them. Many doctors complete their training in a specialty area, while education for nurses prepares them as "generalists"."





HEALTHCARE EDUCATION IN IRELAND

Castel is the leading specialist provider of undergraduate, postgraduate and professional training pathways in Medicine & Allied Healthcare

Contact us at info@casteleducation.com to find out how we can help you.

UNDERGRADUATE PROGRAMMES

- PROGRAMM

 Medicine
- Pharmacy
- Podiatric Medicine
- Paramedic Studies
- Nursing & Midwifery
- Occupational Therapy
- Speech & Language Therapy

POSTGRADUATE PROGRAMMES

- Surgery
- Anaesthesiology
- General Practice
- Radiology
- Internal Medicine
- Pathology
- Paediatrics

IN PARTNERSHIP WITH:

















Studying Medicine and Nursing at the University of Auckland will help you make your mark on the world of health.



The University of Auckland gives students the chance to experience New Zealand's unique and diverse culture, while studying at a top 100 university* in the world's third most liveable city.**

The University of Auckland is New Zealand's leading university*, ranked in the top 100 in the world. Many of our staff have contributed to research that has advanced modern medicine and our graduates can be found in some of the best hospitals, medical centres, laboratories and biotech companies around the world.

As a student here, you will benefit from academic, professional and research staff who are at the forefront of their fields.

Our Grafton Campus is located across from Auckland Hospital, New Zealand's largest public hospital and is in the heart of a city that is ranked third out of 230 world cities for quality of living**.

*QS World Rankings 2020 *Mercer Quality of Living Survey, 2019

The MBChB programme

 The Bachelor of Medicine and Bachelor of Surgery (MBChB) is a highly challenging, extremely rewarding programme that will give you the medical knowledge, clinical and research skills, attitudes, awareness and enthusiasm for pursuing a vocation in any field of medicine.

The BNurs programme

 The Bachelor of Nursing (BNurs) programme provides students with an unparalleled clinical education in an interprofessional environment which prepares them for a life as a registered

The University of Auckland health programmes

- Put a strong emphasis on medical sciences, clinical, professional and communications skills
- Are run by a faculty with an international reputation for research and innovation
- Provide unrivalled access to clinical environments due to the Faculty's close relationship with a range of New Zealand's district health boards



"I have always been interested in science from a young age and as I got older, my interest in human anatomy grew. Becoming a doctor will satisfy this interest and will help me make a difference in the lives of many.

"I chose to study at the University of Auckland because of its high world- ranking and after speaking to some friends who were already at the University of Auckland, I decided that it would be the best option for me.

"Interacting with my tutors has always been very easy. They have been very helpful with any questions that I have had.

"Auckland has a good combination of city life with good options to get into nature close by. Kiwis are really friendly, respectful and welcoming. It is easy to start conversations either with a total stranger in the street, or with the person sitting next to you in the lecture theatre, which is why it has been easy to find new friends in a new environment."

Mohamed Al Balushi is from Oman, and is studying a Bachelor of Medicine and Bachelor of Surgery (MBChB).



























Course Focus: Podiatry

Podiatry is a healthcare profession specialising in the foot, ankle and leg. There is a particular demand for professionals in countries like Oman where there is a high rate of diabetes, as patients often require Podiatric treatment.

Cardiff Met's programme includes 1,000 clinical hours through on-site clinics and placement opportunities and graduates are immediately qualified to practise as Podiatrists.

Oman Scholarships

Cardiff Metropolitan University is an approved university for students receiving the SSSD, STEM or ESAM Scholarship from Oman.



Course Focus: Dental Technology



Dental Technologists create dental restorations, prostheses and orthodontic appliances and are in high demand by the dental profession. At Cardiff Met you will have access to specialist DT labs and work placements with trainee dentists and consultants. This course has 100% Student Satisfaction in the National Student Survey 2019.

Foundation Programmes

Cardiff Met offers 1 year Foundation Programmes for students who do not meet the direct entry requirements for a Bachelors Degree. Students completing the Thanaweya A'ama (General Secondary School Certificate) would select this pathway.

Foundation Course (1 Year)



Bachelor Degree (3 Years)

English Language

Cardiff Met will accept the following tests for entry to Undergraduate programmes:

- IELTS
- IELTS Indicator
- TOEFL iBT

Pre-Sessional English Courses

If your English level is currently below IELTS 6.0 standard, Cardiff Met offers a range of online and campus-based Pre-Sessional English courses through its English Language Training Centre (ETLC).

Contact Us

cardiffmet.ac.uk/international Tel: +44 (0) 2920 416 045

Email: askinternational@cardiffmet.ac.uk



Study a Undergraduate Degree at Queen's University Belfast UK

The Faculty of Medicine, Health and Life Sciences at Queen's University is globally recognised for world-class excellence in education and ground breaking research. Through our research, we strive to address some of the world's greatest challenges, our academic staff undertake world-leading research through our Schools and Global research institutes in Health Sciences and Global Food Security, This has resulted in new treatments for patients and greater levels of protection for the food we eat.

Undergraduate Degrees

Biomedical Sciences
Biochemistry*
Biological Sciences*
Dentistry
Human Biology
Marine Biology*
Medicine
Midwifery
Nursing
Zoology*
* scholarships are available

Placements/Student experiences:

Placements are offered on our courses, which improves students chances of securing a graduate job, gain valuable insights into the industry which will increase confidence, motivation and professionalism. Previous students have secured placements with local and international companies.

Clinical Placements are offered with Medicine, Dentistry and Nursing

"For my elective I travelled to Perth, Western Australia, for placements with St John Ambulance Western Australia and the Royal Flying Doctors Service. This experience has been an incredible opportunity to develop my clinical, and communication skills; whilst also gaining a better understanding of the management of resources in healthcare in order to provide the best care for patients. I would highly recommend considering Queen's for medicine. The QUB elective programme is well organised and a brilliant way to start your final year of Medicine. Queen's also signposted me to funding and scholarship opportunities which enabled me to undertake an elective abroad."

CALUM SIMPSON Australia Year 5 Medical Student

Entry Requirements:

International students wishing to apply to Queen's University Belfast (and for whom English is not their first language), must be able to demonstrate their competence in English in order to benefit fully from their course of study or research. *

Contact Us: askmhls@qub.ac.uk

*Further information is available on our website: www.qub.ac.uk



LIFE SCIENCES (126 - 150)

(Times Higher Education World University Rankings)



RANKED IN THE TOP 100 IN THE WOLD FOR NURSING (51-100)

(QS World University Rankings 2020)



RANKED IN THE TOP 200 IN THE WORLD FOR MEDICINE (151-200)

(QS World University Rankings 2020)

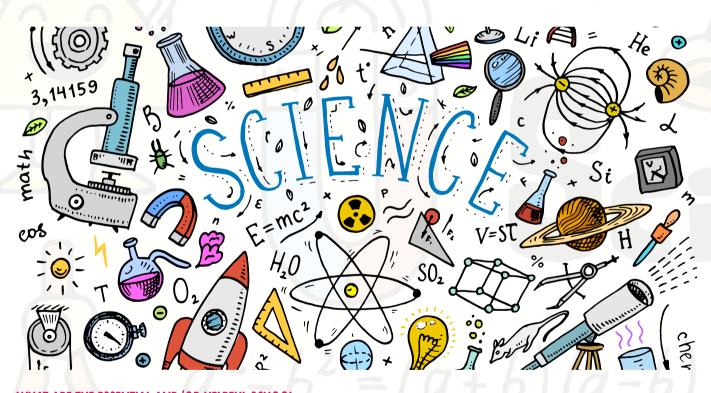






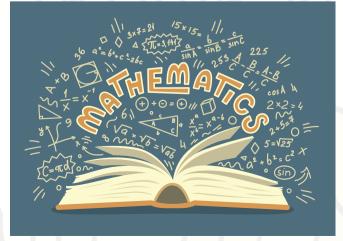


UNDERGRADUATE COURSES COVERED BY SCHOLARSHIPS IN THE AREA OF NATURAL & PHYSICAL SCIENCES



WHAT ARE THE ESSENTIAL AND/OR HELPFUL SCHOOL SUBJECTS FOR THE COURSES?

- For most of the courses within this section, you would require good grades in at least two Lab Sciences (Biology, Chemistry and/or Physics) and we advise you to study Pure MATHEMATICS or its equivalent if you are pursuing a curriculum other than the General Education Diploma Certificate.
- For some courses, you can also use your grades in Environmental Science and/or Geography or Geology but never as a replacement of all the 'pure' Sciences (the Lab Sciences).



 Please refer to the Higher Education Admission Center (HEAC) student guide for further requirements as they may differ from one institution to another.

WHICH SCHOLARSHIPS, SEATS AND/OR GRANTS COVER THE COURSES?

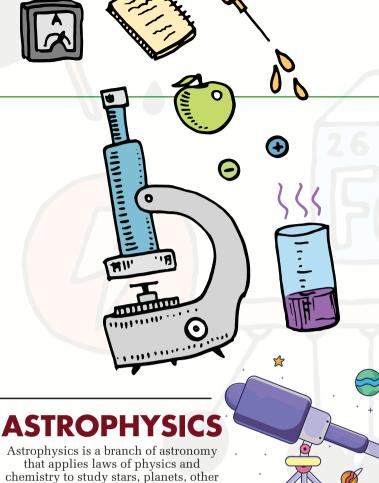
- Please refer to the HEAC student guide NATURAL & PHYSICAL SCIENCES section for a list of scholarships, seat and/or grants that cover and the summary included in this section.
- If you are planning to competitively for STEM (Science, Technology, Engineering, or Mathematical Sciences) Scholarship, please note that NOT all of the below courses are available at undergraduate level in ALL countries. STEM recipients need to do thorough research before selecting the course and country once competitively awarded this scholarship.



ASTRONOMY

Astronomy is the study of the physical universe, from the Earth, the solar system to galaxies, stars and planets. You might also be interested in Astrophysics or Physics.







astronomical features.

BIOLOGICAL SCIENCES

Biological sciences involve the study of living organisms, including their structure, function, growth, evolution, distribution, and taxonomy. You might also be interested in Biology, Biochemistry, Biophysics or Medicine.



BIOLOGY

Biology is a natural science that involves the study of living things through various scientific research methods.

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BIOCHEMIS1

Biochemistry is a lab-based science that combines biology and chemistry to study processes of transformation that occur in living beings.

CHEMISTRY

Study of Chemistry is very interesting because it helps you understand the science behind everything you hear, see, touch, feel and smell. It is often called the Central Science as it connects the dots of physics between other natural sciences.



BARTH SCIENCES

Earth Sciences usually involve the study of Earth in co-relation to its gradual and continuing formation over billions of years. You might also be interested in Geology, Geological Sciences, Ecology or Environmental Sciences.



CONSERVATION (AND/OR ENVIRONMENT)

It is the study of plant and animals combined with genetics, evolution and ecology that involves applying principles of mathematics and sciences such as chemistry.



Biophysics is an interesting scientific field that applies physics to understand how biological systems work.







ENVIRONMENTA

Environmental Sciences use principles of physical, biological and information sciences to understand the environment and find solutions to environment issues.



- As'ad AlBusaidi on why he wanted to study **Environmental Science**

























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GENETICS

Genetics involves the study of genes and the science of heredity. You might also be interested in Biological Sciences or Medicine.



Hydrogeology studies groundwater and its movement and distribution. Hydrology deals with the scientific study of water. You might also be interested in Earth or Environmental Sciences.

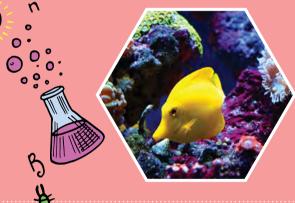
Meteorology is the scientific study of the atmosphere and focuses on weather processes and forecasting. You might also be interested in Earth Sciences or even Astronomy.

MARINE SCIENCE/ BIOLOGY

Marine Science/Biology is the study of marine organisms, their behaviours and interactions with the environment. You might also be interested in Biology, Biological Sciences, Environmental Sciences, Ocean Sciences or

Earth Sciences/Geology.







MATHEMATICS AND/WITH STATISTICS

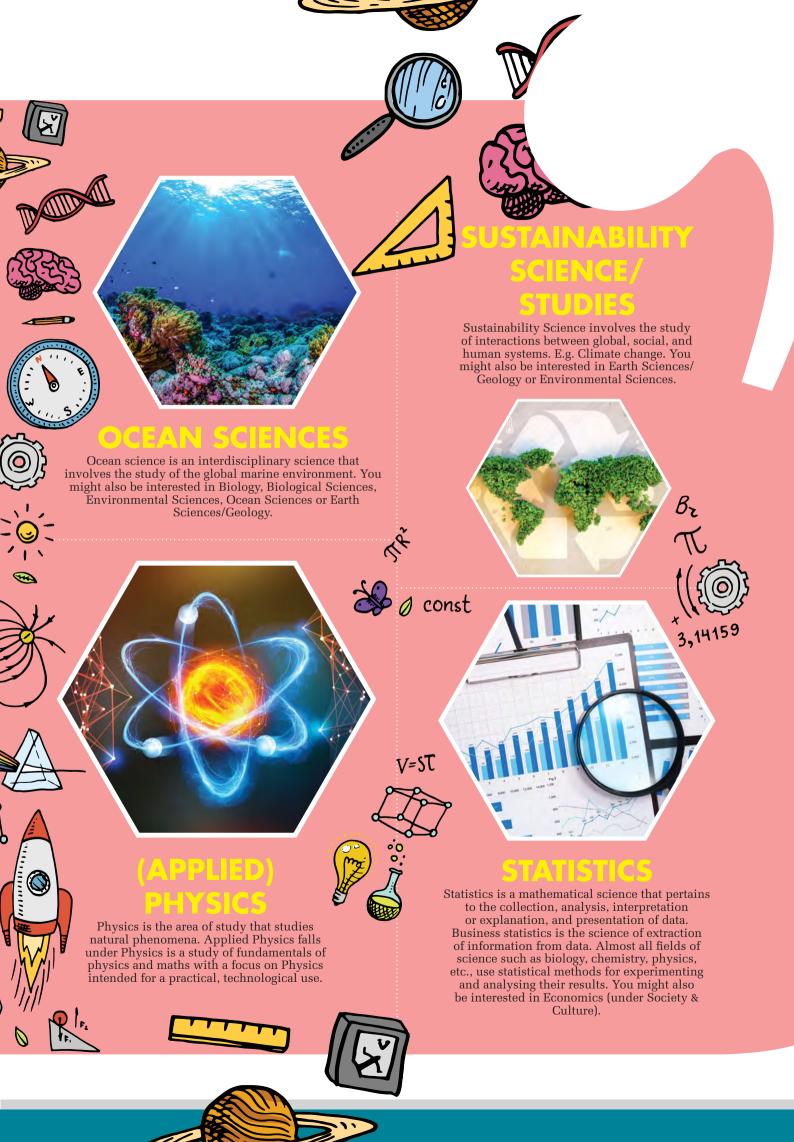
This combines the study of Maths and Statistics or study of Maths alongside Statistics as a different subject.













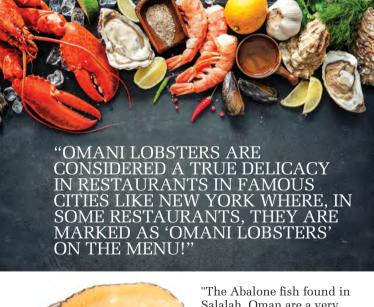
UNDERGRADUATE COURSES COVERED BY SCHOLARSHIPS IN THE AREA OF AGRICULTURAL & ENVIRONMENTAL SCIENCES

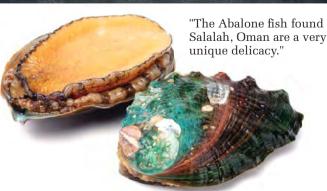


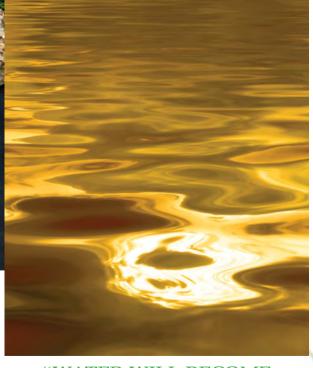


"FISHERIES HAS BEEN SELECTED AS ONE THE FIVE PRIORITY SECTORS AND THE FISHERIES SEGMENT IS ONE OF THE NATIONAL ECONOMY'S HIGH-POTENTIAL ASSETS. SARDINES, BLUEFISH, HORSE MACKEREL, TUNA, LOBSTER, OYSTERS AND ABALONE ARE AMONG THE 1000-PLUS VARIETIES OF FISH AND MARINE INVERTEBRATES THAT LIVE OFF THE SULTANATE'S 2,00-KM COASTLINE" – ADAPTED EXCERPT OF AN ARTICLE PUBLISH IN THE REPORT – OMAN 2019 BY OXFORD BUSINESS GROUP.

DID YOU KNOW ...







"WATER WILL BECOME MORE VALUABLE THAN GOLD DUE TO ITS SCARCITY"





- In this section, we look at courses in the area of Agricultural and Environmental Sciences
- Are you interested in ...



• PREVENTING A DEPLETION IN NATURAL RESOURCES, INCLUDING WATER, OR, IN OTHER WORDS, SUSTAINABILITY?



FISHERIES?



FOOD SECURITY?



 AGRICULTURAL SELF-SUFFICIENCY (THIS MEANS A DECREASED DEPENDENCE ON IMPORTS OF FOOD)?

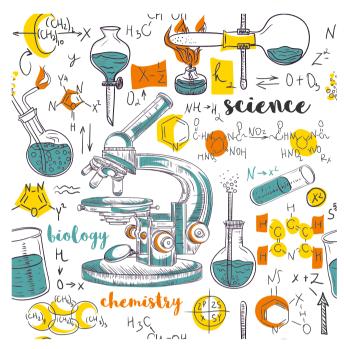
WHICH SCHOLARSHIPS, SEAT AND/ OR GRANTS COVER THE COURSES?

Courses within this section are covered by seats (at Government institutions in the Sultanate), internal scholarships (at private institutions in the Sultanate) and abroad (e.g. in the UK and Germany). There is a little bit of an overlap among courses that fall within this category, as developed by the Oman Academic Accreditation Authority (OAAA) and courses such as ENVIRONMENTAL SCIENCES that fall under the category Natural & Physical Sciences or even Environmental and/or Renewable Energy Engineering that falls under Engineering. Make sure to explore all these sections.



We must underline that Environmental Sciences as such falls under the section 'Natural & Physical Sciences' as defined by the OAAA in Oman.

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WHAT ARE THE ESSENTIAL SCHOOL SUBJECTS FOR THE COURSES?

If you want to keep your options open, we advise you to do well in at least two, if not all, Lab Sciences and in particular Biology and Chemistry.



It also makes sense to study Environmental Science and/or Geography or a related subject.

Mathematics and good English language skills are always an advantage.



READ THE FOLLOWING DESCRIPTIONS AND THEN... ... DO YOUR OWN RESEARCH

- The descriptions on the following pages, listed by section, are very brief and generic and should be treated only as guidelines that will help you make well-informed decisions when applying for scholarships and/or to Higher Education Institutions.
- It is important to keep in mind that course content and teaching methods may differ from one higher education institution to another (even if the course title is the same or similar).
- Please refer to the websites of Higher Education Institutions as part of your thorough research. Focus on the course structure and the subjects!

WHAT IS ...



AQUACULTURE

AQUACULTURE is the study of farming of creatures and organisms living under water.



AGRICULTURE is the process of producing food by cultivating the soil and plants and raising livestock (domesticated animals).

WATER (RESOURCE) TECHNOLOGY

WATER RESOURCE TECHNOLOGY involves planning, developing and managing the use of both surface and ground water resources. Water will one day become more valuable than gold, as they say, as it is scarce (not easy to find/get due to demand vs sufficiency).

Courses in this area are currently covered by seats by external scholarships STEM, DES and SSSD allocated to Germany (also available under the names: Water (Resource) Management, Water Economics, Water (and Infrastructural) Management, and Hydrology.





FISHERIES

FISHERIES involves the study of understanding and managing and harvesting of fish for commercial purposes.

Courses in this area are currently covered by seats in Oman at the training institutes aimed at the fisheries and maritime industries in Al Khabourah, as well as by internal scholarships and external scholarships STEM, DES and SSSD allocated the UK, as well as grants allocated to the United Arab Emirates.



UNDERGRADUATE COURSES IN THE AREA OF ENGLISHED TECHNOLOGIES

There are many different types of Engineering courses but generally speaking, engineering graduates develop innovative solutions to problems and help design and maintain processes, products and services across many sectors. Engineering draws on many skills, and has the potential to prepare students for jobs in the industry as well as in the business, management, and financial sectors.

WHAT ARE THE ESSENTIAL AND HELPFUL SCHOOL SUBJECTS FOR THE COURSES?

• ALL Engineering require good marks in Pure Mathematics or its equivalent.

• In most cases, either Chemistry and/or Physics. For most Engineering courses that fall under Process & Resource Engineering (e.g. Chemical, Petroleum and Energy Engineering), you require good grades in at least Maths and Chemistry while for many other types of Engineering, you require good grades in at least Maths and Physics.

• Hence, if you want to keep your options open, you might want to choose to pursue both Science subjects.

• For a few courses in Engineering, you can also use your grades in Pure Mathematics plus Environmental Science.

• Refer to the Higher Education Admission Center (HEAC) student guide for further requirements as they may differ from one course and institution to another.

WHICH SCHOLARSHIPS, SEATS AND/OR GRANTS COVER THE COURSES?

Most of the Engineering courses are available in Oman and/or abroad. For more details, refer to the HEAC Student Guide and the summary we have provided.



WHICH HIGHER EDUCATION INSTITUTIONS OFFER COURSES IN ENGINEERING?

- For Higher Education Institutions (HEIs) in the Sultanate of Oman, please refer to the HEAC student guide.
- For overseas HEIs, please refer to the section in this magazine that lists approved HEIs by type of scholarship and regularly check the Ministry of Higher Education website, external scholarship department website for updates.

EXPLORE YOUR OPTIONS BY VISITING WEBSITES OF UNIVERSITIES

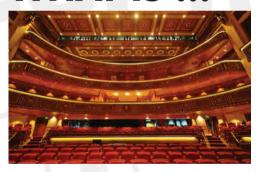
• As mentioned in the intro to this section, the course descriptions on the following pages are very brief and generic and should be treated only as guidelines that will help you make well-informed decisions when applying for scholarships or to HEIs. Refer to the websites of HEIs as part of your thorough research.

DESCRIPTIONS

aineerina



WHAT IS ...



ACOUSTICAL ENGINEERING

Have you ever been to the amazing Royal Opera House in Muscat and wondered why the sound of the music sounds so great? This has to do with acoustics (within this context, refers to the qualities of a space that have an effect on how sound is transmitted in it).

Are you interested in gaining specialist knowledge about sound as well as in Mechanical Engineering? Then perhaps consider Acoustical or Sound Engineering – this course is currently only covered by STEM and DES external undergraduate scholarships.

AERONAUTICAL ENGINEERING

Aeronautical Engineering usually involves the study of flight-capable machines, aerospace equipment, machines and aerospace equipment. The emphasis within the context of Oman is on the maintenance of aircraft, **NOT DESIGN**. Currently, this course is only covered by STEM and DES external scholarships.

THIS COURSE DOES **NOT** TRAIN YOU TO BECOME A PILOT OR **ASTRONAUT!** This course concerns a non-flight major – this means it cannot include Pilot Training! Also, do NOT confuse this with Aerospace Engineering (not covered by scholarships).

ARCHITECTURAL ENGINEERING

Architectural or Building Engineering is the application of engineering principles and technology to design systems of a building.

NOTE: ARCHITECTURAL
ENGINEERING IS NOT TO BE
CONFUSED WITH ARCHITECTURE.
ARCHITECTS FOCUS ON DESIGNING
A BUILDING'S LOOK AND STYLE.
ARCHITECTURAL ENGINEERS
ENSURE THE DESIGN IS STURDY AND
FUNCTIONAL FOR THE PEOPLE WHO
WILL OCCUPY THE BUILDING.



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BUILDING SERVICES OR MAINTENANCE ENGINEERING

Building Services Engineering involves ensuring that the electrical, mechanical and telecom aspects of new buildings perform effectively and efficiently. Maintenance Engineering involves planning and looking after maintenance work in building services.



CONSTRUCTION ENGINEERING

The study involves learning planning, designing, construction and management of infrastructures such as roads and bridges. You might also be interested in Civil Engineering.







CHEMICAL ENGINEERING

Chemical Engineering involves using chemistry, other natural sciences and maths to solve problems that involve production or use of chemicals and other byproducts. Chemical Engineers apply scientific and technological expertise to develop processes which alter the chemical, physical, or biochemical state of materials, including in the Energy sector.

POPULARITY ALERT: You are advised to consult the data published by the graduate survey department as this course has been popular among school students for many years, which also increases the risk of saturation. This means the number of employable people in a particular area is more than the number of available jobs in that area. At present, this course is available in Oman and abroad covered only by STEM and DES Scholarships or as a joint-degree.



"ALL ENGINEERS ARE EXPECTED TO BE GOOD PROBLEM-SOLVERS"

CIVIL ENGINEERING

Civil Engineers are involved in the physical structure of society – from transport systems to public services, building and other type of man-made construction like roads and bridges.

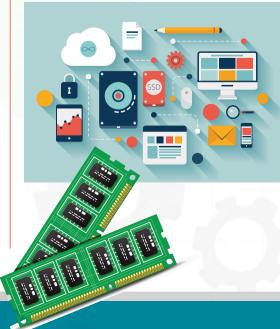


COMPUTER ENGINEERING

Computer engineering involves learning how to design and develop computer hardware.

COMMUNICATION SYSTEMS ENGINEERING

Communications Systems Engineering involves study of technology for communications, ranging from phones to Internet systems.

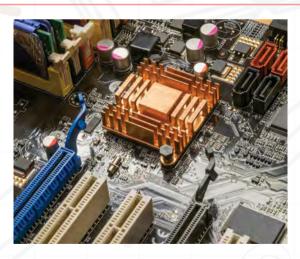




ELECTRICAL AND/OR ELECTRONIC(S) ENGINEERING

Electrical Engineering relates to study of electrical devices, while Electronics Engineering relates to study of electronic devices. At some universities, this course is offered as a joint-degree (combining both types of Engineering into one course). That is why the HEAC guide uses the phrase 'and/or'.

DID YOU KNOW? Electrical devices convert the electrical energy into the other form of energy like heat, light, sound, etc. (think of a lightbulb) whereas an electronic device (e.g. a television or a computer) controls the flow of electrons for performing the particular task.



EMBEDDED SYSTEMS ENGINEERING

This involves writing codes to solve problems and implement systems in devices such as computer consoles and MP3 players.





ENVIRONMENTAL ENGINEERING

Environmental Engineering uses science and engineering to protect and manage human health, infrastructure and environments. Some universities offer this in combination with e.g. Civil Engineering or Chemical Engineering.

ENERGY ENGINEERING

Are you interested in safeguarding the energy supply, help improve energy efficiency and further develop renewable sources of energy, including solar energy or biogas? In some countries, a similar course is available under the name Renewable Energy Engineering or Sustainable Energy while Solar Energy is also related to this stream.







FIRE SAFETY ENGINEERING

The study combines science and engineering to understand and mitigate the effects of fire.





GEOLOGICAL ENGINEERING

Geological Engineering is a study related to mineral and energy resources.

These engineers are able to explore for natural resources (e.g. oil, gas, uranium, tar sands, geothermal or coal). You might also be interested in Environmental or (Renewable)

Energy Engineering.

MEDICAL ENGINEERING

This course is either refered to as Medical or Biomedical Engineering. This may differ from one institution to another. Within the in-country (Oman) context, this course has been included for graduates to install, adjust, maintain, repair, or provide technical support for biomedical equipment.

IMPORTANT NOTE: The Oman Ministry of Health has emphasised that students who are interested in (Bio)medical Engineering should make sure the course prepares you to maintain and repair (NOT design) (bio)medical equipment used at hospitals.

WHAT IS biomedical equipment? Equipment and devices, such as artificial internal organs, replacements for body parts, and machines for diagnosing medical problems.





INDUSTRIAL ENGINEERING

Industrial Engineering involves the study to be able to optimise integrated and complex processes and systems in various industries.

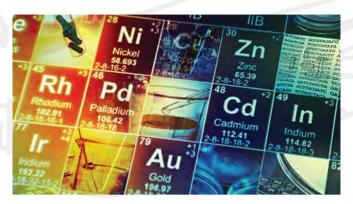


LOGISTICS ENGINEERING

Ever wondered how the pair of sneakers you or your friends ordered online, arrive at your doorstep the 'next day' even though it has to come all the way from the other side of the world? Part of Systems Engineering, Logistics Engineering is the study of organising of processes: from materials to finished goods.

DID YOU KNOW? Although Logistics
Engineering is deemed relevant to the needs of
Logistics and other sectors, you do not require
a degree in only Logistics Engineering to
(competitively) apply for a job in the Logistics
sector as they are on the look-out for other types
of Engineering graduates as well.





MATERIAL(S) ENGINEERING/SCIENCE

Materials, also known as Materials Science, Engineering involves the study of various materials, from ceramics to plastics, and polymers to industrial minerals, used in the evolution of technologies, raw materials and finished products. Materials engineers can help improve the performance, process, and test materials used to create a range of products, from computer chips and aircraft wings to golf clubs and devices.

You will need an understanding of the properties and behaviours of different substances, from raw materials to finished products.



MINING ENGINEERING

Are you interested in mining and exploring Oman's mineral wealth and metals? Mining Engineering uses science and technology to help in the safe and efficient development of mines and related operations.. In the Sultanate there are INDUSTRIAL MINERALS, including gypsum, limestone, gabbro, marble, kaolin, quartz, clay, basalt, potash and dolomite and also METALS, such as copper and chromium.

DID YOU KNOW THAT? Mining was identified one of the promising sectors highlighted by the Tanfeedh plan for economic diversification.

DID YOU KNOW THAT? Our beautiful country has some of the richest and most diverse mineral deposits in the world, ranging from gold and copper to potash, gypsum, chromite, and limestone.



METALLURGICAL ENGINEERING/ METALLURGY

Metallurgical Engineering or Metallurgy deals with the physical and chemical behaviour of metals, including copper, and their uses.



MECHANICAL ENGINEERING

Do you love to take physical things apart to see how they work? Mechanical engineering applies the principles of Mechanics and Materials science to maintain mechanical systems.

POPULARITY ALERT: You are advised to consult the data published by the graduate survey department as this course has been popular among school students for many years which also increases the risk of saturation (this means the number of employable people in a particular area is more than the number of available jobs in that area.)



MECHATRONICS/MECHATRONIC ENGINEERING

This involves learning how to maintain automatic equipment. Do keep in mind that though it falls under Mechanical Engineering, it is a combination of mechanical and electronic engineering.





MARINE ENGINEERING

Marine Engineering involves designing, development, production, and maintenance of equipment and vehicles used at sea.



NETWORK ENGINEERING (NETWORK ARCHITECTURE)

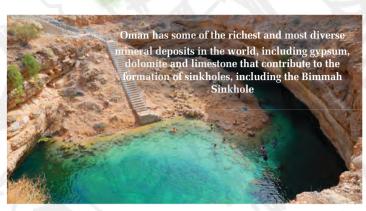
Network Engineering uses principles of engineering and technology and involves setting up of computer networks (a number of computers that are interlinked).



PHOTOVOLTAICS AND/OR SOLAR ENERGY ENGINEERING

Photovoltaics is the study of converting sunlight into electricity, while Solar Energy Engineering deals with implementing solar energy projects.

You may also be interested in studying (Renewable or Sustainable) Energy Engineering.



MINERAL RESOURCE ENGINEERING

This deals with the technical, environmental and economic aspects of extraction and processing of the earth's mineral resources. Some of Oman's main mineral resources include chromite, dolomite, zinc, limestone, gypsum, silicon, copper, gold, cobalt and iron.



PETROLEUM OR OIL & GAS ENGINEERING

Petroleum Engineering or Oil & Gas Engineering involves designing and developing methods for extracting oil and gas below the Earth's surface. Although the following courses are not the same, you might also be interested in Environmental Engineering, or (Renewable) Energy, Geological or Chemical Engineering, to name a few examples.

POPULARITY ALERT: You are advised to consult the data published by the graduate survey department as this course has been popular among school students for many years which also increases the risk of saturation (this means the number of employable people in a particular area is more than the number of available jobs in that area.)

POWER ENGINEERING

Power engineers operate and maintain reactors, turbines, boilers, generators, stationary engines and auxiliary equipment to generate electrical power and to provide heat, light, refrigeration and other utility services for commercial, industrial and institutional buildings and other work sites.





RENEWABLE ENERGY ENGINEERING

Renewable Energy Engineering deals with developing and increasing energy production of green energy sources. In some countries, this course is named 'Sustainable' Energy Engineering, while Photovoltaics & Solar Energy Engineering also falls under Renewable/Sustainable Energy Engineering.



SYSTEMS (DESIGN) ENGINEERING

A set of things working together as parts of a mechanism or an interconnecting network; a complex whole. Systems Designs engineering uses engineering and engineering management to design and manage complex systems. Systems design engineers use a design-oriented, interdisciplinary method to solve large, complex problems.

STRUCTURAL ENGINEERING

Structural engineering involves designing buildings, bridges, tunnels, etc.

The majority of structural engineers (which is part of Civil Engineering) work primarily as consultants to architects or design-build contractors.



SURVEYING ENGINEERING

Surveying Engineering is about performing measurements to determine property boundaries, it involves measuring distances, researching land records, and presenting findings.





SUSTAINABLE ENGINEERING

Sustainable engineering is the process of designing or operating systems such that they use energy and resources sustainably. This involves creating and introducing sustainable practices to avert and reduce environmental disasters.







TELECOMMUNICATIONS ENGINEERING

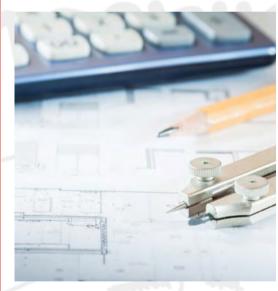
This course is related to Computer and Electrical Engineering and involves study of modern communication technologies and services.





QUANTITY ENGINEERING

Also known as Quantity Surveying. This is part of Civil Engineering and combines the study of engineering, construction, and economics.



TRANSPORT ENGINEERING

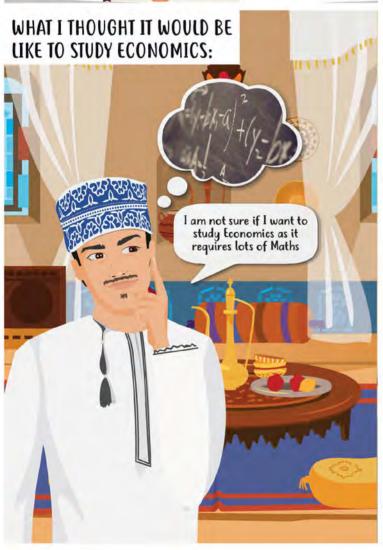
Transport Engineering focuses on planning, designing, building, operating and maintaining various systems of transport. You might also be interested in Logistics Engineering.

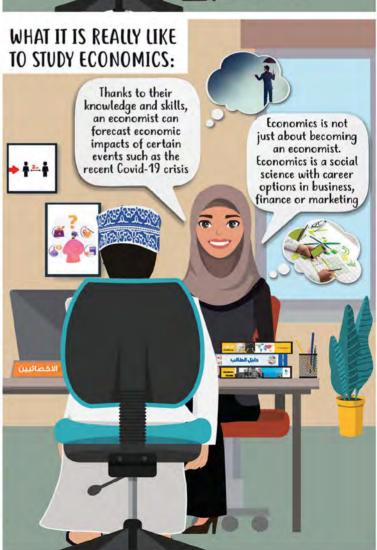










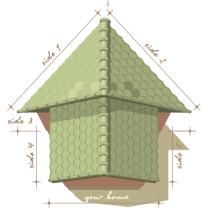


SHORT DESCRIPTIONS OF UNDERGRADUATE COURSES IN THE AREA OF ARCHITECTURE & CONSTRUCTION

"If you want an easy life, don't be an Architect"

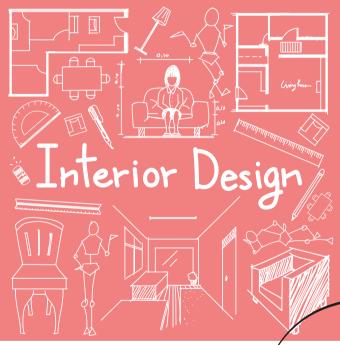
"Architecture is like writing. You have to edit it over and over so it looks effortless"

– Late Zara Hadid, award-winning architect, who was born in Baghdad



- In this section, we look at Architecture and related courses
- Are you interested in the space where we live and work and/or walk around and are you interested in how people feel within those spaces?
- ARE YOU CREATIVE AND INTERESTED IN ARTS?
- ARE YOU ALSO GOOD AT MATHEMATICS?
- Do you have a vision? This refers to your ability to think about something that is not there yet (e.g. think of a building or a wedding dress which still have to be designed). Hence, a vision refers the ability to plan the future by using your imagination and your wisdom.
- Architects are NOT artists, or scientists, or engineers:
 They are creative problem-solvers and their work involves a lot of basic geometry geometry, teamwork and computers (not just a paper and pencil)
- Do you have a comprehensive portfolio (a collection of drawings, art, doodles) of creative work?

"I think in Design Education, it is about accepting that you only understand the problem through the solution, meaning it is not a linear way of thinking from A to B, it goes in spirals. Therefore you have to dare to try new things; you have to sharpen your perception to really understand a problem and you need your imagination and the ability to be able to project some future into the present. You embark into the unknown" – a lecturer at GUtech who used to work as an architect for Rem Koolhaas.



- WHICH SCHOLARSHIPS, SEAT AND/OR CRANTS COVER THE COURSES IN THIS SECTION?
- Architecture as such is covered by internal scholarships, seats and DES/ESAM scholarships (not STEM)
- For further details, please refer to the table in this magazine section and the HEAC guide.
- Courses like Architectural Engineering fall under Engineering.





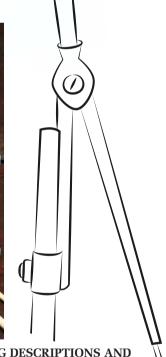
WHAT ARE THE ESSENTIAL SCHOOL SUBJECTS?

- Mathematically oriented skills are important as the work of Architects involves a lot of basic geometry.
- It might be great if you had Arts as a subject at school.

- TIP: If you can demonstrate skills in 3D work (even with help of a computer), it would be considered a plus because Architects need a 3D-dimensional thought process.
- For further details about requirements, as they may differ from one course to another, please refer to the HEAC student guide and websites of the approved Higher Education Institutions.









• If you did NOT take Arts as a school subject, your ability to demonstrate an interest in sketching, painting or taking photos might come in handy instead.

READ THE FOLLOWING DESCRIPTIONS AND THEN...DO YOUR OWN RESEARCH

The descriptions on the following pages, listed by section, are very brief and generic and should be treated only as guidelines that will help you make well-informed decisions when applying for scholarships or to Higher Education Institutions.

- It is important to keep in mind that course content and teaching methods may differ from one higher education institution to another (even if the course title is the same or similar).
- Please refer to the websites of Higher Education Institutions as part of your thorough research. Focus on the course structure and the subjects!



DESCRIPTIONS



ARCHITECTURE

The study of Architecture involves learning how to design structures and buildings and related spaces. This course is covered by internal scholarships and DES/ESAM external scholarships.

Architects spend much of their time in offices where they meet with clients, develop reports and drawings, and work closely with other architects and engineers. They also visit construction sites to ensure clients' objectives are met and to review the progress of projects.



DID YOU KNOW ...

ARCHITECTURE IS NOT THE SAME AS
ARCHITECTURAL ENGINEERING. Architectural
Engineers work closely with Architects. The main
difference between an architect and an architectural
engineer is that an architect focuses more on the artistry
and design of the building, while the Architectural
engineer focuses more on the technical and structural side.

WHAT IS....

"Experts say that ARCHITECTURE is quite a competitive profession and usually ONLY A HAPPY FEW BECOME HIGHLY SUCCESSFUL AND/or highly PAID. Not everyone will turn into a Rem Koolhaas or Zaha Hadid."



An Architect is NOT an Artist but rather a creative problem-solver who is willing and/able to follow the wishes of the client and willing to work in a team. Do not picture yourself solo drawing on a piece of paper but rather behind your computer at a desk and, from time to time, at a construction site.

"Architects work in two ways. One is to respond precisely to a client's needs or demands. Another is to look at what the client asks and reinterpret it" - Rem Koolhaas (a reputed architect)





INTERIOR ARCHITECTURE

Also referred to as Interior Design. The study of this involves learning how to design an interior space, taking into account all elements of the structure/building. This course is currently covered by internal scholarships and DES/ESAM external scholarships



Although AN INTERIOR DESIGNER may help decorate events like weddings, THEY ARE MORE THAN 'JUST' EVENT DECORATORS!

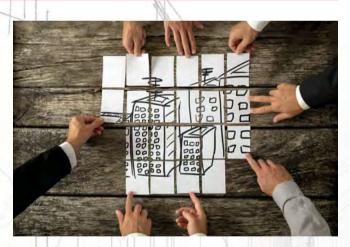
FACILITY OR FACILITIES MANAGEMENT

It is the study of management of functionality, safety, efficiency of the built environment. A facilities manager is a job role that is responsible for making sure that buildings and their services meet the needs of the people that work in them to make sure the surrounding environment is in a suitable condition to work.



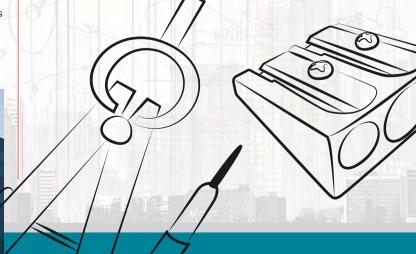
LANDSCAPE ARCHITECTURE

Are you more interested in designing outdoor areas public parks, gardens, playgrounds, residential areas, college campuses, and public spaces? Landscape architecture is an interesting field that studies the design and aesthetics of outdoor areas, landmarks and structures. This programme is the only course in this section that is covered by an external SSSD scholarship, in addition to STEM/ESAM.



URBAN PLANNING

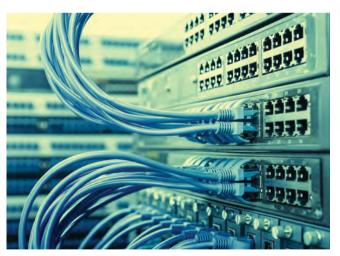
Urban planning, broadly speaking, is the study of development of cities and urban spaces.





SHORT DESCRIPTIONS OF UNDERGRADUATE COURSES IN THE AREA OF INFORMATION TECHNOLOGY

Are you already familiar with what 'Deep Learning', 'Javascript' or 'Internet of Things' stand for? Are you a logical thinker who likes to solve problems and do you enjoy pure Mathematics? Well, then an undergraduate degree in a course within this category could be for you. In Oman, we use the category name (Information Technology) as introduced by the OAAA. However, some universities group these courses under subject areas they may name Computer Science and/or Computing.



Tech-companies like Google, Facebook, Twitter are among the most sought-after employers in the world among graduates. Technology has permeated every part of all our lives and almost all professionals, including doctors and lawyers, have to use technology to a certain extent. The recent Covid-19 health crisis has demonstrated this fact as it has pushed many more people into working from home and students into attending online classes. One can say that technology and connectivity have become a 'basic need' and are no longer just a luxury.

There was a time when the word Information Technology or IT was considered to be just fixing laptops and computers. But today there are so many interesting



avenues of learning such as Artificial Intelligence (AI), Internet of Things (IoT), Big Data and many more.

Do keep in mind that this is a rapidly mutating sector, so tech jobs that were once considered important have now given way to newer career pathways and it is important to do your research when making decisions as some courses are considered saturated, while others are still in high demand.

Also keep in mind that the tech-companies are not just hiring people with a Computer Science background as they are most interested in creative problem-solvers and analytical thinkers (this includes e.g. people with a Physics or Science degree).





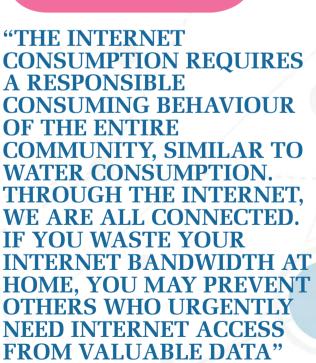
DID YOU KNOW ...

COMPUTER SCIENCE, COMPUTING (SCIENCE) and INFORMATION TECHNOLOGY are popular terms to describe the broader subject areas to which courses within the tech-sector belong but they are NOT the same.

COMPUTER SCIENCE is all about **ALGORITHMS** (procedures for solving mathematical problems) and creating computer applications and programmes and usually requires more independent work. There is more of a focus on the principles and science behind the technology. Take, for example, programmers or software engineers.

INFORMATION
TECHNOLOGY is more about applying or using the technology and solving technical problems, e.g. installing, organising, and maintaining computer systems and may appeal more to people who like to work in a team. Take for example, a cloud architect or computer security specialist.

COMPUTING (SCIENCE) may encompass the design and development of software and hardware systems for a broad range of purposes.



- PROF. DR. NABIL SAHLI, HEAD OF THE DEPARTMENT OF COMPUTER SCIENCES AT THE GERMAN UNIVERSITY OF TECHNOLOGY IN OMAN (GUTECH).











DO YOUR OWN RESEARCH

Sure, (BIG) Tech-companies like Google, Facebook, Twitter are among the most sought-after employers in the world among graduates. However, not all courses that fall in this category are considered equally relevant to the needs of the job market, e.g. in the recent past, many students who graduated with a degree in subjects such as Computer Engineering or IT Management struggled to find a suitable job, while students with a degree in such as Programming found it relatively easier to find suitable employment.

Studying a course within this category, like so many courses across all categories, will help to develop the transferable skills that graduate employers are looking for, such as analytical thinking and creative problem-solving.

WHICH SCHOLARSHIPS, SEAT AND/OR GRANTS COVER THE COURSES?

Courses within this section are covered by seats (at Government institutions in the Sultanate), internal scholarships (at private institutions in the Sultanate) and abroad. Please check the HEAC student guide for more details and bear in mind that the content might be subject to updates so regularly check the HEAC website.

WHAT ARE THE ESSENTIAL SCHOOL SUBJECTS FOR THE COURSES?

- Subject-specific requirements may vary from one course and/or higher education institution to another and you are advised to check the HEAC student guide and the websites of the approved Higher Education Institutions.
- However, we do have some important advice: You
 may think that Information Technology would be
 the most important school subject, but that is only in
 addition to the most essential subject, which is PURE
 MATHEMATICS or its equivalent.

READ THE FOLLOWING DESCRIPTIONS AND THEN ...

... DO YOUR OWN RESEARCH

- The descriptions on the following pages, listed by section, are very brief and generic and should be treated only as guidelines that will help you make well-informed decisions when applying for scholarships and/or to Higher Education Institutions.
- It is important to keep in mind that course content and teaching methods may differ from one higher education institution to another (even if the course title is the same or similar).
- Please refer to the websites of Higher Education Institutions as part of your thorough research. Focus on the course structure and the subjects!

BEAR IN MIND THAT IN SOME COUNTRIES THE FOLLOWING WOULD FALL UNDER A BROADER SUBJECT AREA – E.G. YOU WILL STUDY A BACHELOR OF COMPUTER SCIENCE AND THEN CHOOSE TO SPECIALISE IN E.G. COMPUTER APPLICATIONS OR YOU COMBINE IT WITH ARTIFICIAL INTELLIGENCE ETC

ENGINEERING COURSES, E.G. SYSTEMS, COMPUTER OR SOFTWARE ENGINEERING USUALLY FALL UNDER ENGINEERING



ANIMATION

Animation is the study of adding movement to make inanimate objects or drawings to look like they are in motion. Think: Cartoons!



ARTIFICIAL INTELLIGENCE

Artificial Intelligence (AI) involves building artificial systems (robots, robotic arms, etc.) that portray intelligent behaviour. In some countries, this course is available as a specialisation within a broader degree and/or as a joint-degree (e.g. Computer Science with Artificial Intelligence). Within this context, it is important to familiarise yourself with the term 'deep learning' that falls under machine learning.

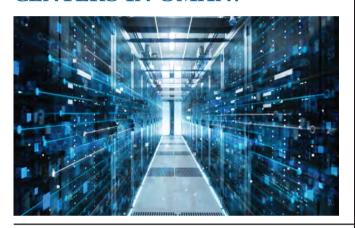


BIOINFORMATICS

Bioinformatics is the theory, application and development of computing tools to solve problems and create hypotheses in all areas of biological sciences.



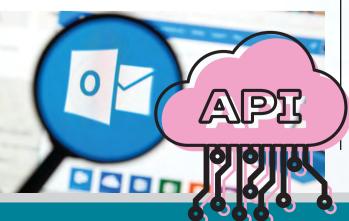
DID YOU KNOW THAT THE INTERNET NEEDS DATA CENTERS? THESE ARE HUGE FACILITIES TO LOCATE MANY SERVERS. WITHOUT THEM, THERE WOULD BE NO INTERNET OR WWW! WE ALSO HAVE DATA CENTERS IN OMAN!





BUSINESS OR MANAGEMENT INFORMATION SYSTEMS

Business Information Systems involves the study of how companies and organisations can use information systems to support their activities through the application of technology.





CLOUD COMPUTING

Ever wondered what happens when you GOOGLE (search) something? Did you know that the real work in finding your answers to your questions or keywords might be done by a computer sitting in California, Dublin, Tokyo, or Beijing? In simple terms, cloud computing means storing and accessing data and programmes over the Internet instead of your computer's hard drive. Cloud computing is a way for businesses to take advantage of storage and virtual services through the Internet, saving money on infrastructure and support.

This course is usually not available as a course as such but e.g. part of a broader subject area like Computer Science or Software Engineering.

COMPUTER APPLICATIONS

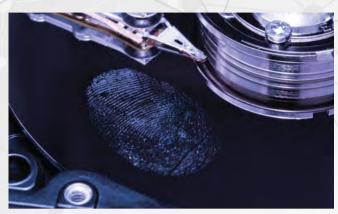
Do you want to write applications (apps)? A computer application is a software programme that runs on your computer – e-mail programmes like Outlook, web browsers, games are all applications. This is usually part of a broader degree in e.g. Computer Science. Specialising in Computer Applications usually involves e.g. programming methodology to design data structures and algorithms (solutions to mathematical problems).

This course is usually not available as a course as such but e.g. part of a broader subject area like Computer Science or Software Engineering.



An app developer is a computer software engineer whose responsibilities include creating, testing and programming apps for computers, mobile phones, and/or tablets. You have to be tech-savvy (and creative and/or work with someone who is creative).





COMPUTER FORENSICS

Computer forensics involves study of techniques to gather and preserve evidence from computing devices in a way that is suitable for presentation in a court of law.



COMPUTER NETWORKS

Related to a set of computers connected together for the purpose of sharing resources.

COMPUTING

Also used to refer to the broader area of study under which many different courses fall. This may encompass the design and development of software and hardware systems for a broad range of purposes.



COMPUTER SCIENCE

Computer Science is a broad area that covers the study of systems, networks, theories of computing among other things related to computers.

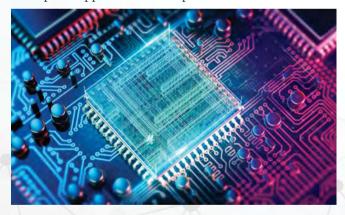
Computer Science is usually a broader term that includes topics such as advanced software engineering, mobile application development, networks and Internet systems, programming languages, software development tools and methodologies, web technologies, Big Data programming techniques and using both Windows and Linux/Unix operating systems.



IF YOU ARE INTERESTED IN COMPUTER SCIENCE, YOU MUST BE INTERESTED IN ALGORHITMS!

COMPUTER SCIENCE AND/OR WITH SOFTWARE DEVELOPMENT

Computer Science with Software Development is for those wanting to specialise in development, updating and widespread application of complex software.



CYBER SECURITY

Cybersecurity teaches you how to work on protecting internet-connected systems, including hardware, software and data, from cyberattacks.





DATA ANALYTICS

Data analytics is the study of processes that can be used to improve productivity and profit.





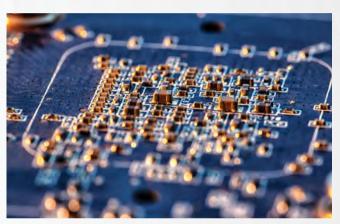
TECHNOLOGY CONTINUES TO PERMEATE MANY ASPECTS OF OUR DAILY LIVES - AND IS ALSO A PART OF LEARNING.

DATA SCIENCE AND/OR BIG DATA ANALYTICS

Effective DATA SCIENTISTS are able to identify relevant questions, collect data from a multitude of different data sources, organise the information, translate results into solutions, and communicate their findings in a way that positively affects business decisions.

Big Data ANALYTICS involves use of maths to investigate, collate and present large-scale data analysis of online data in a variety of forms, including social networks, web documents, digital libraries, blogs, medical records, biological data, remote sensing, imaging, and forecasting. Put simply businesses and industry of today rely solely on large sources of data and the ability to interpret these effectively and efficiently to make decisions.





INFORMATICS

Informatics involves understanding natural and engineered computational systems.



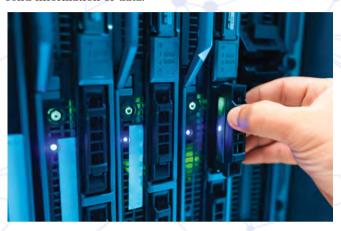
"IT IS NOT EASY TO DECIDE WHAT TO STUDY AS YOU ARE GOING TO END UP WORKING IN THE AREA YOU HAVE CHOSEN FOR THE REST OF YOUR LIFE. I REMEMBER, IT ALL STARTED WHEN I WAS READING AN ARTICLE THAT EXPLAINED ABOUT THE GAP IN THE CYBERSECURITY MARKET AND I WAS LOOKING FOR AN UNTRADITIONAL DEGREE."-

ABDUL BAQI MOHAMMED, STUDIED A BSC IN ETHICAL HACKING AND NETWORK SECURITY AT COVENTRY UNIVERSITY IN THE UNITED KINGDOM AND IS NOW A CYBERSECURITY ANALYST AT ONE OF THE BIG ACCOUNTING FIRMS.



INFORMATION TECHNOLOGY

This is a broad term and often used for people who 'fix computers'. But this is all about the application of technology to solve problems that all organisations may face. It is about the use of computers to store, retrieve and send information or data.





INTERNET OR WEB APPLICATIONS

YDYF will soon launch its website application. This means a software application that can be used on both computers AND smaller devices as it will adapt to the type of device you are using. This course is USUALLY NOT available as a course as such but e.g. part of a broader subject area like Computer Science or Software Engineering.



MULTIMEDIA TECHNOLOGY

Are you interested in Science and Arts? Multimedia technology is technology that uses text, graphics, animation and/or sound to communicate ideas.





NETWORK(S) SECURITY

Network security is the study of tools and systems that can be used to protect your computer network.



MOBILE APPLICATION DEVELOPMENT

A mobile application, commonly referred to as an app, is a software application developed specifically for use on small, wireless computing devices, such as smartphones and tablets, rather than desktop or laptop computers.

This course is USUALLY NOT available as a course as such but e.g. part of a broader subject area like Computer Science or Software Engineering.





PROGRAMMING

Ever heard of Javascript of C++? Programming is quite important as the job of a software developer is about creating instructions that tell a computer how to perform a task. Refer to Software below as well.



SMART MOBILE

Interested in Creativity, Information Technology and Design? The focus might be on designing games, including 3D animation and sounds, so better to do some market research before you enroll in this course.



SOFTWARE DEVELOPMENT OR SOFTWARE ENGINEERING

Are you interested in the development of computers systems software and/or applications software? Then this is the course for you.



HAVE YOU HEARD OF DEEP LEARNING, THE INTERNET OF THINGS, OR THE MUST-HAVE SKILLS IN VIEW OF INDUSTRY 4.0?





SHORT DESCRIPTIONS OF UNDERGRADUATE COURSES IN THE AREA OF EDUCATION



"I WOULD LIKE TO SPECIALISE IN EDUCATION WITH FOCUS ON TEACHING ARABIC AS A LANGUAGE. I LOVE TO READ LITERARY TEXTS AND HAVE GREAT PASSION AND INTEREST IN THE LANGUAGE OF THE HOLY QURAN."

- MUAYYAD AL-BALUSHI ON WHY HE WANTS TO BECOME A SCHOOL TEACHER IN ARABIC



"I LOOK FORWARD TO FOLLOWING MY PASSION AND MAJORING IN MATHEMATICS AT SULTAN QABOOS UNIVERSITY. I HOPE TO BE A TEACHER WHO INSPIRES AND LEAVES A POSITIVE MARK ON SOCIETY."

- NASRAA AL-HINAIYYAH ON WHY SHE WANTS TO BECOME A SCHOOL TEACHER IN MATHEMATICS





In this section, we look at EDUCATION and related courses. Education is the backbone of any growing nation. It is a tool, which in the right hands, can help shapes ideas, propel progress, and create a better future for the world and your country. Educators are noble individuals who take it upon themselves to teach and train children and students and turn them into wholesome future citizens.

A GOOD TEACHER WILL ALWAYS BE IN DEMAND ...



because as the world expands, so does the need for learning new things and for this you will always need a teacher.

"BEING A TEACHER IS
THE MOST REWARDING
PROFESSION BECAUSE IT
GIVES YOU A CHANCE TO
BE PART OF A PERSON'S
DEVELOPMENT AS AN
INDIVIDUAL AND AS A
FUTURE PROFESSIONAL
WHO CONTRIBUTES TO THE
NATION'S ECONOMY."

- HUMAN RESOURCE DEPARTMENT, OMAN MINISTRY OF EDUCATION (THE MINISTRY THAT IS RESPONSIBLE FOR POST-BASIC EDUCATION).

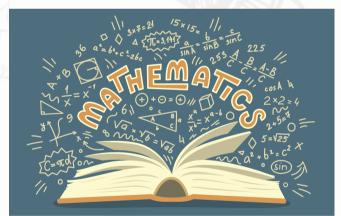
WHAT ARE THE ESSENTIAL AND HELPFUL SCHOOL SUBJECTS?

- Essential subjects may vary from one course to another. Teaching Mathematics requires good grades in Maths while teaching Lab Sciences requires a good grade in the Lab Science concerned (a Lab Science is Physics, Chemistry or Biology) and to become a teacher in English, you require good language skills and so on and so forth.
- For most teaching courses, especially at overseas institutions, high IELTS or equivalent scores are usually expected to progress to the following academic year.
- This section is not meant for those who have always been interested in teaching. Many courses will include practical sessions in classroom teaching as part of the curriculum.



WHICH SCHOLARSHIPS, SEATS AND/ OR GRANTS COVER COURSES?

- Please refer to the HEAC student guide EDUCATION section for a list of scholarships, seat and/or grants that cover these courses.
- If you want to explore all options, you are advised to research avenues in Oman and not just abroad.
- External scholarships in Education (Teaching) listed by ED (Education) Codes at reputed institutions are available in Maths, Physics, Chemistry, Biology, and English
- If you are planning to competitively apply for ESAM (stands for courses in EDUCATION, Social Sciences, ARTS or Management), please note that NOT all of the below courses are available at undergraduate level in ALL countries. ESAM recipients need to do thorough research before selecting the course and country once competitively awarded this scholarship.



WHICH HEIS OFFER COURSES IN EDUCATION?

- For Higher Education Institutions (HEIs) in the Sultanate of Oman, please refer to the HEAC student guide. Government HEIs include the Sultan Qaboos University and Rustaq College of Education.
- For overseas HEIs, please refer to the section in this magazine that lists approved HEIs by type of scholarship and regularly check the Ministry of Higher Education website, external scholarship department website for updates.
- The courses in Education available at overseas HEIs are listed as ED (EDUCATION) codes, and the list of universities in the United Kingdom, Australia and New Zealand have been approved by the Oman Ministry of Education. Refer to the List of Universities by Country and type of Scholarship section.



"STUDYING IN REPUTED OVERSEAS INSTITUTIONS. ALLOWS STUDENTS TO GAIN INTERNATIONAL EXPERIENCE IN THIS AREA. THUS EQUIPPING THEM WITH SKILLS REQUIRED TO **FURTHER THE MINISTRY'S** VISION OF CURRICULA DEVELOPMENT ACCORDING TO GLOBAL EDUCATION STANDARDS, ESPECIALLY FOR [LAB] SCIENCE AND MATHEMATICS. THESE UNIVERSITIES **OFFER A VARIETY OF** ACADEMIC AND CREATIVE PROGRAMMES THAT AWARD STUDENTS WITH INTERNATIONALLY ACCREDITED CERTIFICATES. THESE CERTIFICATES ARE IN LINE WITH **COMPETENCIES REQUIRED** BY HUMAN RESOURCES IN THE NATION. STUDYING AT THESE UNIVERSITIES ALSO HELPS PROMOTE ADVANCED PROFESSIONAL AND SOCIAL **OPPORTUNITIES MAKING** THE STUDENTS WELL-ROUNDED INDIVIDUALS." - HUMAN RESOURCE DEPARTMENT, OMAN

MINISTRY OF EDUCATION.

BACHELOR OF EDUCATION (B.ED) / TEACHING

You want to teach Maths, Science, English, Arts, Arabic at a (secondary) school? Courses within these areas are primarily meant to train you to become a teacher in a specific area in schools. Secondary schools mean grade 1-grade 12 and its equivalent.



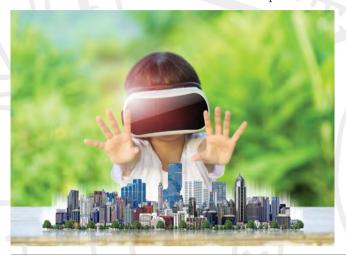
"YOU CAN BECOME A
TEACHER IN SCHOOLS,
BUT YOUR CAREER DOES
NOT HAVE TO BE LIMITED
TO THE TEACHING
PROFESSION. YOU ALSO
APPLY FOR A JOB IN THE
AREA OF EDUCATION
SUPERVISION AND
EVALUATION, AND COURSE
CURRICULUM AFTER
GAINING APPROPRIATE
EXPERIENCES AND
DEGREES" -

HUMAN RESOURCE DEPARTMENT, OMAN MINISTRY OF EDUCATION ABOUT COURSES FOR PROSPECTIVE TEACHERS.



EARLY CHILDHOOD

You want to become a kindergarten teacher? Or teach very young children and lay foundations for their cognitive, physical, and emotional development You can study this either in Oman or on an ESAM/DES scholarship.





SPECIAL NEEDS OR SPECIAL EDUCATION

A special needs teacher is a noble profession indeed as more people than you think have special needs as this can range from visible mental and physical disabilities to high functioning people, who make more progress than their peers, or people who are intelligent but not able to focus or read/write properly (dyslexia). At present, only the DES or ESAM scholarship would cover this.

TECHNOLOGY FOR EDUCATION

Educational Technology usually bridges the gap between technology and education to create a platform that is beneficial to students in their learning. If you are interested in this, explore the courses that fall under the Information Technology category.

This course might be harder to find at undergraduate level but would fall under either IT or STEM scholarships, while you can also explore a similar course at SQU as published in the HEAC guide.



YOU MIGHT ALSO BE INTERESTED IN.....

The world of education is not 'just' about teaching, of course. There is more to this broader subject that encompasses everything that a student might need to equip themselves with a better future. Take for example, Educational Psychologists who have become crucial to a school's framework as they guide and counsel children through tricky alleys of peer pressure and other difficulties that young adults may face these days in a school environment. Mental health is as important as physical wellbeing and this is where Educational Psychologists come in. If you are interested in this pathway, you perhaps should explore courses under Society & Culture category as well.

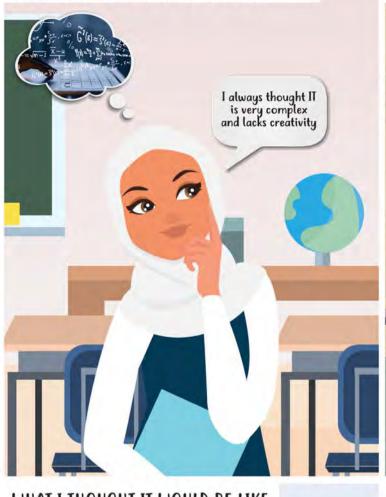


DID YOU KNOW ...
AUTISM SPECTRUM DISORDER
IS VERY BROAD. THIS
DEVELOPMENTAL DISORDER
CAN VARY FROM SOMETHING
VERY VISIBLE, NOTICEABLE TO
FUNCTIONING PEOPLE WHO HAVE
ASPERGER SYNDROME, WHICH IS
HARDER TO DETECT.





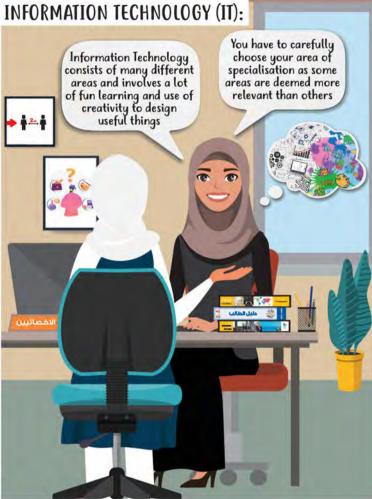
WHAT I USED TO THINK ABOUT STUDYING INFORMATION TECHONOLOGY (IT):



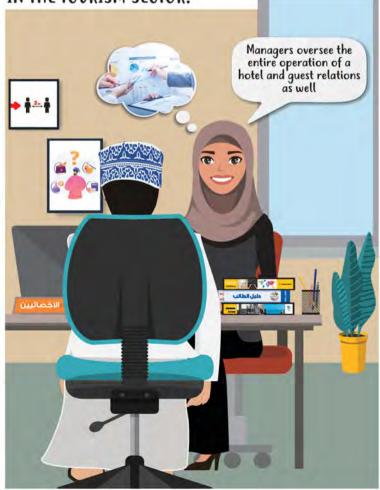
WHAT I THOUGHT IT WOULD BE LIKE TO WORK IN THE TOURISM SECTOR:



WHAT I KNOW NOW ABOUT INFORMATION TECHNOLOGY (IT):



WHAT IT IS REALLY LIKE TO WORK IN THE TOURISM SECTOR:







UNDERGRADUATE COURSES IN THE AREA OF BUSINESS & MANAGEMENT

- Ok, so you see yourself as the CEO or the manager of a big company? Or do you have an amazing idea you want to grow into your own small, medium or big business and become an entrepreneur? If so, a degree in business and management is perhaps a good place to start. However, there are also graduates with a STEM background who successfully run companies thanks to the way they think. Remember, an Engineer can become a successful manager but a manager will need to go back to college to become an Engineer.
- Generally speaking, Business and Management are devoted to organisation, analyses and planning of various types of business operations. It is a consistently popular choice among students and covers a wide array of specialisations from generic business, marketing to more specialised degrees such as, finance, accounting and logistics. However, as always, we would advise our students to do their own research on courses, to find out which ones are deemed more relevant to the needs of an evolving economy. As the economy changes so do its requirements and sometimes there might be a surplus of a need which leads to its saturation (which means there are more graduates than there are jobs)
- Finance graduates may find it relatively easier to find a suitable job than someone who studied generic business, while we understand that Logistics Management is highly popular. However, bear in mind that the Logistics sector is open to a variety of graduates, not only those who have studied something that included 'Logistics' in the course name. This is also further explained in the interview with ASYAD in this magazine.
- In some countries, like the USA, the courses start out broad and allow students to focus on a specific area later on.
- Most courses within this category also have a practical element, requiring students to complete a business project which will involve applying theoretical learning and research skills in real world business communities.
- The wide variety of courses that fall under this section arm you with fundamental skills that are essential to efficiently running or managing a business and these skills translate well as transferable skills in a variety of different jobs.

WHICH SCHOLARSHIPS, SEAT AND/OR GRANTS COVER THE COURSES IN THIS SECTION?

Courses within this section are covered by seats (at Government institutions in the Sultanate), internal scholarships (at private institutions in the Sultanate) and by external scholarships abroad. Please refer to the summary and especially the HEAC Student Guide for further details.

WHAT ARE THE ESSENTIAL SCHOOL SUBJECTS FOR THE COURSES?

Mathematical thinking skills come in very handy, as well as English language skills and, if possible, a prior knowledge in Business and/or Economics is a bonus.

READ THE FOLLOWING DESCRIPTIONS AND THEN \dots \dots DO YOUR OWN RESEARCH

- The descriptions on the following pages, listed by section, are very brief and generic and should be treated only as guidelines that will help you make well-informed decisions when applying for scholarships and/or to Higher Education Institutions.
- It is important to keep in mind that course content and teaching methods may differ from one higher education institution to another (even if the course title is the same or similar).
- Please refer to the websites of Higher Education Institutions as part of your thorough research. Focus on the course structure and the subjects!

ACTUARIAL SCIENCE

Actuarial Science is an interesting study of Mathematics and Statistics to determine risks in finance, insurance or other sectors.





ACCOUNTING

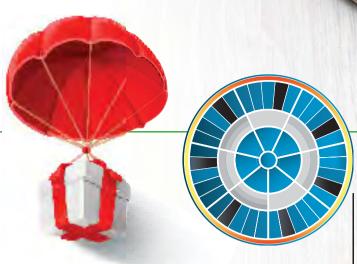
Accounting involves keeping records of financial transactions and analysing them to manage a company's financials.



AUDITING

Auditing is the process of examining financial records and verifying/cross-checking them.





AVIATION MANAGEMENT

(cannot include Pilot Training – should concern a non-flight major)



Aviation Management is the study of operations related to the aerospace industry in general, like the management of airlines or customer services, etc.

THIS COURSE DOES NOT INVOLVE PILOT-TRAINING





ADVERTISING

Advertising is one of the tools for marketing which involves finding ways to promote a product, service, or cause.



BANKING

Banking is the study of managing a bank, its operations and services.



BUSINESS ADMINISTRATION

Business Administration is the study of learning about various operations involved in a growing business.



BUSINESS ANALYTICS

Business Analytics involves deriving insights based on data and statistics that can be used for business planning.









ENTERPRISE/ENTREPRENEURSHIP

Entrepreneurship involves training yourself in management and other tools needed to start, develop and expand your own business.



EMERGENCY ADMINISTRATION & PLANNING

As the name suggests, this involves planning, monitoring, organising well-coordinated responses to emergencies (floods, epidemics)



EVENT MANAGEMENT

Event Management is the study of creation, development and management of events.



ENVIRONMENTAL MANAGEMENT

Environmental management involves research, practice and creation of environmental policies.



FINANCE

Finance teaches you management of money through various activities like investments, borrowing, lending, accountancy or auditing. In fact, Finance is a broad term that describes activities associated with banking, leverage or debt, credit, capital markets, money, and investments.

DID YOU KNOW THAT IN THE UNITED STATES, A LOT OF SPECIALISATIONS LIKE FINANCE, FOR EXAMPLE, FALL UNDER BUSINESS (ADMINISTRATION) DEGREES?

"At University, I realised that I am keen to work with strategies and planning more than numbers and financial models. Having a mixture of finance and economics in my education path helped me widen my career options and exposed me to the opportunity I have now" –

Excerpt from a quote by Bushra Al Kiyumi who studied a BSc in Management with a concentration in Finance and a minor in Economics at the University of Massachusetts, Boston, USA. Bushra became a portfolio planner at the Real Estate Strategy and Portfolio Team in Petroleum Development Oman.







FINANCIAL RISK MANAGEMENT

It is the study of managing financial markets and financial risks.



FINANCIAL SERVICES

Financial Services involves the process of helping people to acquire financial goods and wealth management.



HUMAN RESOURCE DEVELOPMENT OR MANAGEMENT

This involves learning how to manage and develop people's skills and abilities in a professional set up.

HOTEL MANAGEMENT

Hotel Management trains you on all aspects that go into managing a hotel.



INVESTMENT

The course trains you to understand the processes of investing money for profit.





INSURANCE

Insurance involves learning how to dispense financial compensation for losses incurred, subject to certain conditions.







ISLAMIC BANKING

Islamic Banking uses principles of Islamic or Sharia law and is guided by Islamic economics.



LOGISTICS AND/OR SUPPLY CHAIN MANAGEMENT

Logistics involves processes of transporting goods from one place to the other. Supply Chain Management involves management of flow of goods.



LEADERSHIP STUDIES

Leadership Studies focuses on how authority and power are used in human life and organisations.



MANAGEMENT

Management is the study of business, finance, economics and marketing to manage or administrate all kind of organisations.

MARKETING

Marketing involves creating concepts and promotions to make goods and services attractive to customers. This can include social media or digital marketing.



PUBLIC RELATIONS

Public relations involves the study of skills on how to manage public images of people and organisations.









PROJECT MANAGEMENT

Project management involves applying management processes and skills to further the completion of a particular task.



RETAILING OR RETAIL MANAGEMENT

Retailing involves the process of sale of goods to consumer. Retail Management involves organisation of store and selling processes.



RISK MANAGEMENT

Risk management is identification, assessment and controlling of threats to capital and earnings of an organisation.



TOURISM MANAGEMENT

Tourism Management is a multidisciplinary field that involves supervision of everything related to tourism.

Have you always had amazing ideas and do you want to grow at least one of these ideas into your own business by becoming an entrepreneur?





AL EDITION

Are you interested in society and READING and ANALYSING A LOT of text? Are you interested in understanding the social, political and/or economic contexts and the important role they play? Are you interested human behavior, civil society, geopolitical phenomena; the creative, artistic, linguistic, philosophical, and symbolic cultural endeavors, socio-economic and other challenges facing humanity in the 21st century? Do you want to develop a greater understanding of all aspects of our society, e.g. legal systems, environmental change, cybercrime and/or how an economy is ever changing?

MAGAZINE





- In this section, we look at courses in the area of Society & Culture
- Society & Culture is the name given to this category by the OAAA – basically, these are all courses in SOCIAL SCIENCES AND HUMANITIES
- Social Sciences & Humanities refer to a group courses that examine the Human Society, Culture and Social Relationships

Society and culture are among the foundations that form our collective identity. A broad category, this incorporates.....

.....everything from Economics to Law, language, English and writing, politics...

You can choose based on what suits your interests. From Cultural Heritage to translation, to criminology and psychology (this is not a clinical degree) the world is your oyster when it comes to choosing from this broad and rich area of study. There's so much to explore. And the generic thinking skills you will develop during your studies are very important for any future career pathway.

WHICH SCHOLARSHIPS, SEAT AND/ OR GRANTS COVER THE COURSES?

Please refer to the summary and especially the HEAC Student Guide for further details.

WHAT ARE THE ESSENTIAL SCHOOL SUBJECTS FOR THE COURSES?

The essential school subjects vary from one course to another. Mathematics is important for Economics, Psychology and Criminology as these are quantitative social sciences which means you will study Statistics as part of the course. For a rigorous course like Law, mathematical thinking AND linguistic skills are also very important which is why Maths, Arabic and English are considered useful subjects.



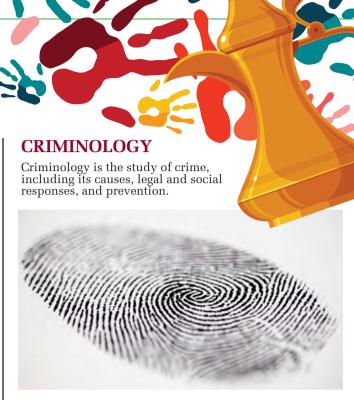
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ARCHAEOLOGY

Are you someone who is curious of the links between the past cultures and the present? Are you interested in the history that binds us? Are you interested to understand and unlock past societies by examining their material culture? Archaeology involves the study of the human past through analyses of ancient remains.

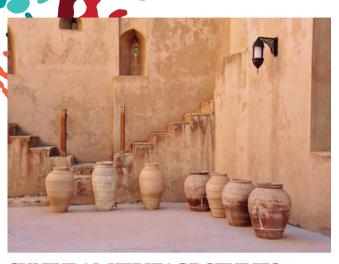




"SOME PEOPLE
HAVE UNREALISTIC
EXPECTATIONS OF
CRIMINOLOGY AND
FORENSIC SCIENCE
THANKS TO THE
SUCCESS OF THE CSI TV
SHOWS, EXPERTS SAY."





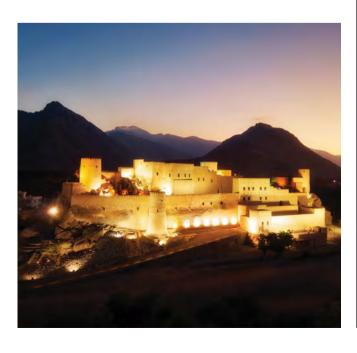


CULTURAL HERITAGE STUDIES

The rich cultural heritage of the Sultanate reflects the strong bond that connects Omanis to their land and community. It is reflected through the customs, norms, values, arts, traditions, architecture and many other activities such as camel racings and horse racing. Cultural Heritage Studies is the study of how we have progressed as a community over the various historical ages.

DID YOU KNOW ...

OUR BEAUTIFUL SULTANATE OF OMAN HAS MANY WORLD HERITAGE SITES





THE RICH CULTURAL HERITAGE OF THE SULTANATE REFLECTS THE STRONG BOND THAT CONNECTS OMANIS TO THEIR LAND AND COMMUNITY.

"HERITAGE IS OUR LEGACY
FROM THE PAST, WHAT WE
LIVE WITH TODAY, AND WHAT
WE PASS ON TO FUTURE
GENERATIONS. OUR CULTURAL
AND NATURAL HERITAGE
ARE BOTH IRREPLACEABLE
SOURCES OF LIFE AND
INSPIRATION." - UNESCO
WORLD HERITAGE.



ECONOMICS

Did you know that an economy is always subject to change? It can go through upward and downward cycles as it responds to circumstances and some of these circumstances cannot be foreseen. Economics is the study of how the society uses the (limited) resources available to it and a quantitative social science concerning the production, distribution and consumption of goods and services.



ECONOMIC CYCLES HAVE NOTHING TO DO WITH BICYCLES BUT REFER TO FLUCTUATIONS IN ECONOMIC ACTIVITY BECAUSE AN ECONOMY IS NOT STATIC, IT IS DYNAMIC.



LAW

Law involves the study of rules and regulations that a country uses to regulate the actions of its citizens and hold them accountable. It also involves a LOT of reading!

WHAT IT REALLY IS LIKE TO STUDY LAW:



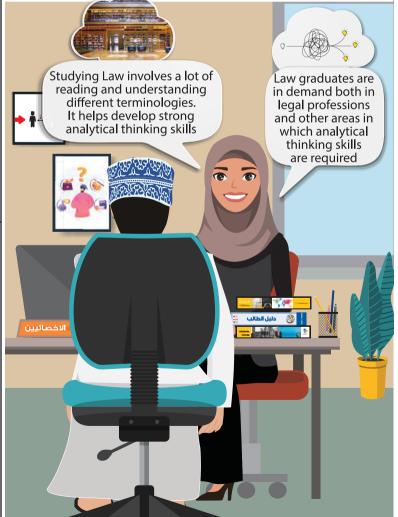
INTERNATIONAL RELATIONS

Are you interested to explore global issues in relation to the world of politics and international law, in times of peace and conflict?



INFORMATION SCIENCE/ MANAGEMENT

Information science/management focuses on collection, analysis, classification, storage and retrieval and other aspects of information.



STUDYING ANOTHER LANGUAGE AND/OR LITERATURE ALSO ALLOWS ONE TO LEARN MORE ABOUT OTHER CULTURES



PSYCHOLOGY (UNDERGRADUATE = NOT CLINICAL)

From the study of the brain to the complex social interactions of humans and animals.

Economics Psychology is the research-based study of how people feel, think, relate and cope with their environment. This is a non-clinical degree. This means that if you aim to become a Psychologist, you will have to pursue graduate studies while we are discussing undergraduate courses in this guide.





LANGUAGES

This is not just about learning more about your own language and/or another language but also literature.



POLITICAL SCIENCE

This social science is about studying governance, the behavior of world leaders and explore global challenges by applying methods of analysis. Please note that studying Political Science does NOT mean you can refer to yourself as a 'Politician'.



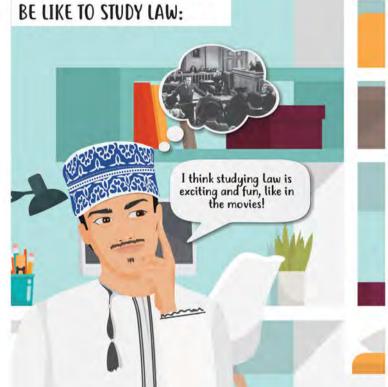
LITERATURE

Are you someone who loves the written word and are inspired by telling stories, both factual and fictional? Explore a range of literatures (books) from around the world and learn how to read across cultures and ancient histories.



WHAT I KNOW NOW ABOUT ENGINEERS:







SHORT DESCRIPTIONS OF UNDERGRADUATE COURSES IN THE AREA OF CREATIVE ARTS

The courses in this area are not only for artists (painters, sculptors, etc) but also for those interested in 3D technology and its creative use in web app development, social media marketing and illustrations, They also offer avenues for aspiring writers and editors





In this section, we look at Arts and related courses. This is not just a category that is of interest for aspiring artists. It is also interesting for those who are creative and interested in technology at the same time (think of web app developers, graphic illustrators and designers). If you are passionate about the stories of others, perhaps Journalism or TV production would interest you! If, you are interested in writing, may also be interested in journalism subjects like languages, history or social studies. Quoted in this section is Mohammed Ali Al Balushi, who will explain why he chose to study Journalism at College of Applied Sciences and how this helped him in his current career as a communication specialist and freelance journalist.

WHAT ARE THE ESSENTIAL AND HELPFUL SCHOOL SUBJECTS?

Essential subjects may vary from one course to another. The more tech-savvy courses do require Mathematical thinking skills, but Science subjects are usually not required. This section is not meant for those who failed in Science subjects and opt for a plan B. It is for people who have always been creative and/or inquisitive. For some courses, you will require to submit an Arts Portfolio.



WHICH SCHOLARSHIPS, SEATS AND/ OR GRANTS COVER COURSES?

- Please refer to the summary and the HEAC student guide – CREATIVE ARTS section for a list of scholarships, seat and/or grants that cover these courses.
- If you are planning to competitively for ESAM (stands for courses in Education, Social Sciences, ARTS or Management), please note that NOT all of the below courses are available at undergraduate level in ALL countries. ESAM recipients need to do thorough research before selecting the course and country once competitively awarded this scholarship.





Are you interested in being creative, but are also technologically inclined?



ANIMATION

Do you like to draw and are you also interested in technology? Animation is the study of adding movement to make inanimate objects or drawings look like they are moving. Think: Video Games or Cartoons!





ART GALLERY STUDIES

Do you picture yourself (help) running an Art Gallery? Art Gallery Studies involves learning about history of art and how it collected, curated and displayed.



Have you ever heard of Larry King who conducted interesting JOURNALIST will become quite as famous, however, it is interesting for those who want to conduct interview and research. Broadcast Journalism trains you in skills of audio and video news programme content.



DIGITAL JOURNALISM teaches you how to dispense news and journalistic content, through text, and visuals on the internet. It is not the same as Print



DIGITAL MEDIA

Digital media is the study of creating content that can be transmitted over the Internet. This is rather a broad area – think of some involved in social media marketing or even a web app developer.







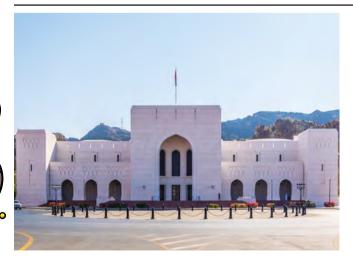
FINE ARTS

Fine Arts deals with the study of visual arts such as paintings, sculptures, photos AND even graphics.



Fine arts is a broad area and not just for aspiring 'fine artists' who want to create pieces of arts such as paintings or sculptures as it is even suitable for aspiring graphic illustrators, graphic designers or creative leads.

An illustrator is for example someone who created our new mascots Zaina and Talib, while the designer is the one who designed the pages in which we included these mascots, while a creative lead helps design the page by selecting visuals and developing creative concepts.

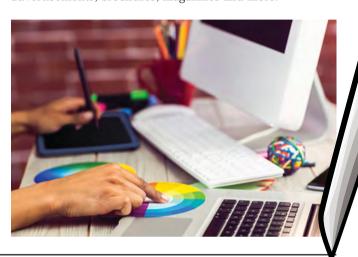


MUSEUM STUDIES

Are you interested in the museum and heritage sector? Then this is the course for you. This course involves learning and examining the theories behind museums.

GRAPHIC DESIGN

Graphic design involves use of computer software and production design to create materials like advertisements, brochures, magazines and more.





JOURNALISM

Is a tool that uses writing effectively to convey facts of an incident that might have happened in real life.

"Studying journalism at College of Applied Sciences - Sohar and College of Applied Sciences - Sur introduced me to theoretical knowledge and practical skills of journalism, such as dealing with print, radio and TV journalism content, as well as, still and video camera shooting and editing skills."

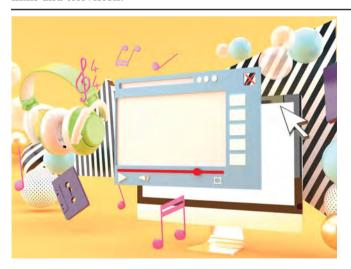
Mohammed Al Balushi, Bachelor of Journalism, College of Applied Sciences – Sur, Ccommunications Specialist at The Research Council (TRC)





Are you interested in making documentaries? Or you are trying to become the next hit on Netflix?

Courses that fall under TV and/or Film Production teach you how to create and produce content and stories for films and television.



VISUAL ARTS

Visual arts is the study of art that one can see such as drawing, painting, jewellery, ceramics, sculpture, printmaking etc. However, modern visual arts also uses technology. Think of video, filmmaking and architecture.

"The reason I chose to study this particular programme is because I love film and I was also intrigued after the academy's visit to my school."

Mai Al Harthy, Film student at the New York Film Academy in the USA



FASHION DESIGN

Apply design to what people are wearing.



PHOTOGRAPHY

Create memorable and creative images using a camera.



MUSIC AND MUSICOLOGY

DO YOU WANT TO BECOME A MUSICIAN? Learn more about music and the science of musical sound.

RELIGION & PHILOSOPHY



RELIGION & PHILOSOPHY is one of the categories listed in the HEAC Student Guide.

Religion is at the centre of every culture's being. Apart from learning the origins and exploring the Holy Quran, the sacred religious scripture of the Islam, you will also develop an understanding of the self and people around you.

Philosophy is usually the study of fundamental questions that arise both in everyday life and through the practice of other disciplines, including ethics, thought, existence, time, meaning and value.

WHICH SCHOLARSHIPS, SEATS AND/OR GRANTS COVER THESE COURSES?

At present only one specific course has been listed under this category in the HEAC Student Guide which is available at the Institute of SHARI'A Sciences.

Students who want to study a course within the category at a university abroad, can choose to do so if they are competitively awarded an ESAM or DES scholarship.

Experts from the DG of Scholarships do usually advise students to consider to study Philosophy as a MINOR (provided this does not extend the duration of your studies), NOT AS A MAJOR while minor in Philosophy can add a value to development of skills.



NOTE: Students should refer to Institute of Sharia'a Sciences as mentioned in the HEAC student guide



COURSES FOR OMANI STUDENTS WITH DISABILITIES

The progressive education policies laid out by Oman's government have ensured that anyone who seeks to pursue higher education can find access to avenues that help them achieve their potential and become successful and contributing global and local citizens. As part of Scholarships Scheme, students from varied backgrounds and circumstances are able to follow their dreams and this includes students with disabilities.

TYPES OF DISABILITIES as categorised by the Oman Ministry of Social Development include those who have visual and hearing impairments, physical or mental impairments, developmental disabilities such as Autism and genetic disorders such as Down's Syndrome.

- Students with disabilities should only select programmes that are accommodative of their type of disability. For example: If you have a disability that restricts your physical movement or requires a certain level of fitness, you should not apply to a programme that has physical fitness as a pre-requisite.
- You have the right to claim a programme seat, you are entitled to the next academic year, if all programme's seats have been occupied and there are no vacant seats after the first allocation for that specific programme or 1st semester has started, or the institution does not accept new student after a certain date.
 - Please refer to the HEAC Student Guide for more information listed under the section with the same header.