

FACULTY OF ENGINEERING TECHNOLOGY AND SCIENCE

The Faculty of Engineering Technology and Science aims to produce graduates effective in the design and practical application of engineering technology solutions. As students, they are taught the ability to lead successfully, work efficiently, and communicate effectively in a team. Their experience during the engineering undergraduate program will instill ethical values and professional standards, therefore, helping them expand their knowledge and competencies through continuing education and other lifelong learning experiences. Thus, making them significant members of the community by contributing their skills and knowledge either locally or internationally.

Employment prospects for HCT Engineering Technology and Science graduates are very strong and cover many local and international industrial sectors including:

- Aviation
- Computing
- Construction
- Consulting
- Defense
- Energy
- Governance
- Health care
- Infrastructure support and maintenance
- Manufacturing
- Oil and gas
- Telecommunications

Faculty Mission

The Mission of the Faculty of Engineering Technology and Science is to "provide world class engineering programs empowering graduates with the desire for learning, discovery and innovation, and provide highly competent technologists and engineers to meet present and future industry needs nationally and globally". The reputation and academic integrity of Engineering Technology and Science programs at HCT is high. Most of the Bachelor of Engineering Technology programs offer a sound Diploma exit option.

Senior Staff

Executive Dean

Dr. Mohammad-Amin Al Jarrah

List of Programs Offered

- Aeronautical Engineering Technology (BAEET): Bachelor (<https://hctcatalog.hct.ac.ae/previouscatalogs/2019-2020/programmes/engineering-technology-science/aeronautical-engineering-technology-baeet/>)
- Aviation Maintenance Engineering Technology : Airframe and Aeroengines (BAVET) : Bachelor (<https://hctcatalog.hct.ac.ae/previouscatalogs/2019-2020/programmes/engineering-technology-science/aviation-maintenance-engineering-technology/>)
- Aviation Maintenance Engineering Technology: Avionics (BAAET) : Bachelor (<https://hctcatalog.hct.ac.ae/previouscatalogs/2019-2020/programmes/engineering-technology-science/aviation20maintenance20engineering20technology20avionics20baaet/>)

- Chemical Engineering Technology (BCHET): Bachelor (<https://hctcatalog.hct.ac.ae/previouscatalogs/2019-2020/programmes/engineering-technology-science/chemical-engineering-technology-bchet/>)
- Civil Engineering Technology (BCVET) : Bachelor (<https://hctcatalog.hct.ac.ae/previouscatalogs/2019-2020/programmes/engineering-technology-science/civil-engineering-technology-bcvet/>)
- Electrical Engineering Technology (BELET) : Bachelor (<https://hctcatalog.hct.ac.ae/previouscatalogs/2019-2020/programmes/engineering-technology-science/electrical-engineering-technology-belet/>)
- Industrial Engineering Technology (BINET): Bachelor (<https://hctcatalog.hct.ac.ae/previouscatalogs/2019-2020/programmes/engineering-technology-science/industrial-engineering-technology-binet/>)
- Logistics Engineering Technology (BLGET): Bachelor (<https://hctcatalog.hct.ac.ae/previouscatalogs/2019-2020/programmes/engineering-technology-science/logistics-engineering-technology-blget/>)
- Mechanical Engineering Technology (BMCET) : Bachelor (<https://hctcatalog.hct.ac.ae/previouscatalogs/2019-2020/programmes/engineering-technology-science/mechanical-engineering-technology-bmcet/>)
- Mechatronics Engineering Technology (BMTET): Bachelor (<https://hctcatalog.hct.ac.ae/previouscatalogs/2019-2020/programmes/engineering-technology-science/mechatronics-engineering-technology-bmtet/>)
- Marine Engineering Technology : Bachelor of Applied Science (<https://hctcatalog.hct.ac.ae/previouscatalogs/2019-2020/programmes/engineering-technology-science/applied-science-marine-engineering-technology/>)
- Marine Transport : Bachelor of Applied Science (<https://hctcatalog.hct.ac.ae/previouscatalogs/2019-2020/programmes/engineering-technology-science/applied-science-marine-transport/>)
- Maritime Engineering Technology and Naval Architecture : Bachelor of Applied Science (<https://hctcatalog.hct.ac.ae/previouscatalogs/2019-2020/programmes/engineering-technology-science/applied-science-maritime-engineering-technology-naval-architecture/>)
- Department of Mathematics and Natural Sciences (<https://hctcatalog.hct.ac.ae/previouscatalogs/2019-2020/programmes/engineering-technology-science/mathematics-natural-sciences/>)

Professional Certifications

- Engineering Project Manager (<https://hctcatalog.hct.ac.ae/previouscatalogs/2019-2020/professionalcertifications/engprojmanager/>)
- Health and Safety Professional (<https://hctcatalog.hct.ac.ae/previouscatalogs/2019-2020/professionalcertifications/healthsafetyprof/>)

Programs and Campuses

The current programs being offered by the Faculty of Engineering Technology and Science are:

Degree	Offered at
Bachelor of Aeronautical Engineering Technology	Al Ain Women's
Bachelor of Aviation Maintenance Engineering Technology: Airframe and Aeroengines	Abu Dhabi Men's; Dubai Men's
Bachelor of Aviation Maintenance Engineering Technology: Avionics	Abu Dhabi Men's; Dubai Men's
Bachelor of Chemical Engineering Technology	Abu Dhabi Men's, Ruwais Men's, Ruwais Women's
Bachelor of Civil Engineering Technology	Abu Dhabi Men's, Dubai Men's
Bachelor of Electrical Engineering Technology	Al Ain Men's, Al Ain Women's, Abu Dhabi Men's, Abu Dhabi Women's, Dubai Men's, Dubai Women's, Fujairah Men's, Fujairah Women's, Ras Al Khaimah Women's, Sharjah Men's, Sharjah Women's, Ruwais Men's, Ruwais Women's, Madinat Zayed Women's
Bachelor of Industrial Engineering Technology	Abu Dhabi Women's, Dubai Women's, Sharjah Women's
Bachelor of Logistics Engineering Technology	Abu Dhabi Men's
Bachelor of Mechanical Engineering Technology	Al Ain Men's, Abu Dhabi Men's, Dubai Men's, Fujairah Men's, Fujairah Women's, Ras Al Khaimah Men's, Sharjah Men's, Ruwais Men's
Bachelor of Mechatronics Engineering Technology	Dubai Men's, Ras Al Khaimah Men's
Bachelor of Applied Science in Marine Engineering Technology	Abu Dhabi Men's
Bachelor of Applied Science in Marine Transport	Abu Dhabi Men's
Bachelor of Applied Science in Maritime Engineering Technology and Naval Architecture	Abu Dhabi Men's

Admission Requirements

- Direct admission:
 - Meet general admission criteria specified in Program Placement Procedures
 - Pass a Physics Placement Test with a minimum score of 70 or has a score of 500 in SAT Subject test in Physics.
- Conditional admission:
 - If the physics placement test requirement is not met, admission is granted upon completion of the Pre-Physics course. Meanwhile student can proceed in his major as direct admission.

Diploma Exit Option

- Engineering students may select the diploma track and can exit with a Diploma after completing the requirements outlined in the respective program with a minimum CGPA of 2.0.
- After completion of 40 credits in Engineering core courses and Mathematics and Science required courses (Math, Chemistry and

Physics), students must have a minimum CGPA of 2.0 excluding General Studies to progress into Year 3 of the program. Students who do not meet this requirement are required to follow the Diploma track.

Completion Requirements

Bachelor Degree Completion Requirements

Students seeking the Engineering Technology Bachelor degree must successfully complete the following minimum requirements:

- A minimum of 146 credits as shown below. (Note: For Aviation and Maritime programs, the minimum number of credits is specified in their relevant section of the Catalog).
 - Program required courses including a work placement of 16 weeks: see program completion requirements.
 - A minimum requirement of 21 credits in Math and Science Courses. (Note: For Industrial and Logistics Programs, the minimum no. of Math and Science credits is 18).
 - A minimum requirement of 33 credits in General Studies Courses according to the General Studies breakdown and as advised in the recommended sequence of study for each program.
 - Major electives: see program elective requirements.
- Minimum CGPA of 2.00.

Diploma Degree Completion Requirements

Students seeking the Engineering Technology Diploma degree must successfully complete the following minimum requirements:

- Minimum number of credits as specified in the program of interest among which the following requirements need to be met:
 - Program required courses including a work placement of 8 weeks.
 - Minimum of 15 credits of Math and Science course requirements.
 - Minimum requirements of 27 credits in General Studies according to the General Studies breakdown and as advised in the recommended sequence of study for each program
- Minimum CGPA of 2.00.