

A. Engineering education

The University has several degree programs which are of four year durations at the Bachelor level followed by one year of the Master's level. The three main cycles are Bachelor, Masters and doctorate.

The Bachelor is at the core of the program. The aim of the four year program has always been to provide a sound scientific theoretical and mathematical core to which is added current technological issues. The degree programs entail 240 ECTS credits over four years with 60 ECTS credits per year. The four year course is a fulltime course and does not include credits for professional training which is expected to be done after graduation.

The course modules include, scientific, theoretical and mathematical principles and the technology of the various fields. The program has always aimed at providing engineers capable of being at the front end of design and continuing research, while at the same time making the product able to move into the industrial and manufacturing sector quickly integrating and contributing to the employer.

The Masters courses offered are academic but include professionally oriented modules on management. The courses are offered either as one year full time or three years part time.

The doctoral programme is focused on a thesis based on research that adds to the knowledge on the subject. The thesis examination board includes an external examiner who is an expert of repute in the field together with internal examiners from the university. Generally it takes a minimum of three years and an average of four years to complete the doctoral programme.

Master programs and doctorate programs are only open to graduates with a first degree.

In Malta Engineering Education at University Level has evolved over the years in two distinct partners. The civil engineering has been tied with architecture into the profession of *perit*, and has evolved in a distinct way from the rest of the engineering profession.

There is one University and therefore accreditation on the basis of a national body made up from the various universities and industry is not possible. The degree programs have been monitored by external examiners who annually visit the university and look at the program, interview the final year students, review the examinations and participate in the final classification. The university has however a plan to have accreditation from external European Accreditation bodies. The first step has been to perform an internal academic audit in 2004/5 using internal and external accreditors within each Faculty. The results of this exercise are at present being studied and also implemented. More information can be obtained from the University Quality Assurance Committee on www.um.edu.mt/qac

B. Academic titles

The academic titles are granted by the University of Malta by virtue of the Education Act.

This makes the degrees recognised and sanctioned by law.

The engineering degrees conferred are:

B.Eng (Hons) with specialisation in Mechanical or Electrical Engineering

B.Sc (Hons) IT with specialisation in Information Engineering

There is no separate degree in civil engineering which forms an integral part of the B.A&CE which is the degree of (*perit*) architect.

These are several Master(s) programmes

M.Sc in Engineering

M.Sc in Integrated Product Development

C. Academic title protection

The Academic degree is given by virtue of the education act and cannot be used by persons who have

D. Educational institutions

University of Malta

Faculty of Engineering

Msida

EL/ + 356 2340 2440

www.eng.um.edu.mt

Board of Studies for IT

Msida

Tel: + 356 2340 2251

www.um.edu.mt

E. Access to the profession and regulations

Holders of the engineering degree programmes are eligible for the engineering warrant issued by virtue of the Engineering Profession Act after a period of three years professional practice in the industry after graduation. The warrant holder can use the title Ing. which is protected by law.

The engineering profession in Malta is a free profession. There are certain specific applications mainly concerned with health and safety that require a warranted engineer.

Civil Engineering falls under the *Periti* Act and the profession of civil engineering is regulated under this act.

F. Representation of the Profession

COE

Chamber of Engineers of Malta

Professional Centre, Sliema Road

MT - Gzira GZ R06

Tel: + 356 21 334 858

Fax: + 356 21 347 118

e-mail: info@coe.org.mt

www.coe.org.mt