Mission Statement of the Faculty

"The mission of the Faculty of Engineering is to acquire, promote and disseminate knowledge of engineering science and its application to improve the quality of life and, in particular, to equip present and future generations of men and women with skills and attitudes to attain competence as professional engineers, and to interact with industry by providing expertise and specialized facilities."

What is Engineering?

Engineering is basically the practical application of scientific principles. These applications require above all the creative imagination for innovation. Engineering also has the character of a never ending search for effective ways of utilising the available resources for the betterment of human lives.

Departments of Study

There are seven established Departments of Study at the Faculty of Engineering, University of Peradeniya, which are the following:

❖ Department of Chemical & Process Engineering
❖ Department of Civil Engineering
❖ Department of Computer Engineering
❖ Department of Electrical & Electronic Engineering
❖ Department of Engineering Mathematics
❖ Department of Mechanical Engineering
❖ Department of Production Engineering

The academic programme at the Faculty of Engineering is conducted by these Departments of Study, and is supported by the Engineering Faculty Computing Centre, the Engineering Workshop, the Electrical and Electronic Engineering Workshop, the Engineering Education Unit, the Engineering Library, Industrial Training and Career Guidance Unit, English Language Teaching Unit and the Centre for Engineering Research and Postgraduate Studies.

Undergraduate Programme

The four-year full-time BScEng degree programme at the Faculty of Engineering comprises the General Programme during the first year and Specialization Programme in the remaining three years. Following 6 fields of specializations are available at the Faculty of Engineering:

• Chemical & Process Engineering
• Civil Engineering
• Computer Engineering
• Electrical & Electronic Engineering
• Mechanical Engineering
• Production Engineering

The programme structure of the undergraduate degree programme at the Faculty of Engineering is illustrated below:

SPECIALIZATION PROGRAMME				
Year 4		TECHNICAL ELECTIVES	GENERAL ELECTIVES	INDUSTRIAL TRAINNING
Year 3	CORE COURSES			
Year 2				
GENERAL PROGRAMME				
Year 1	COMPULSORY COURSES			

Students are chosen to different fields of specialisation at the end of their first year of study, based on his/her preference to a particular field of specialisation. In case of many students wanting to follow a particular field of specialization, priority of allocation will be given to students with high overall performance during their first year of study at the Faculty of Engineering.

The evaluation of performance of a student in each course is carried out through continuous assessments and end-of-semester examinations. The medium of instruction at the Faculty of Engineering is English.

General Programme during the First Year of Study

The first year of study, which is known as the General Programme in Engineering, is a common programme for all the students at the Faculty of Engineering. There are 12 courses to be completed under the General Programme, which consists of two semesters. Each semester is made up of 15 weeks of teaching, a recess week and a week-long end-of-semester examinations

Specialization Programme during 2nd, 3rd, and 4th years of study

During the second, third and fourth years, the engineering students follow the Specialisation Programme to which they have been chosen at the end of their first year of study. During these years, they follow courses recommended for their respective fields of specialization.

These courses are grouped into two major categories, which are core courses and elective courses. Core courses comprise taught courses, multi-disciplinary design projects and research projects, laboratory and field works and they contribute to about 75% of the total credits earned during these years. Core courses are specific to the chosen field of study, and are compulsory. Research project means open-ended project carried out by an individual student or by a small group of students under supervision.

Elective courses are divided into technical elective courses and general elective courses. Technical electives are designed to give a deeper understanding of some selected areas within the core or provide technical knowledge to supplement the core, and are opened to the choice of the students. General elective courses are generally non-technical courses from outside the field of specialization.

An Industrial Training at the industries for a period of 20-24 weeks is compulsory for the completion of the degree programme.

General Elective Courses

General elective courses are designed to enable the students to gain a broader perspective of their roles as professionals as well as citizens in our pluralistic society, and are opened to the choice of the students. The general elective course units available at the Faculty of Engineering at present are the following:

- The Engineer in Society
- Critical Thinking and Writing Skills
- Management in Practice with Case Studies
- Political Issues in Sri Lanka
- Engineer as an Entrepreneur
- Technology and Economic Development
- Social Project
- Rural Economic Development and Technology
- Introduction to Music
- Cinema and Television
- Theatre and Drama
- Painting and Sculpture
- Projects in Fine Arts
- Written English for Communication
- Effective Communication in English through Speech
- Intellectual Property
- Sri Lankan Technology
- Business Law
- Marketing and Financial Management
- Introduction to Digital Art
- Sustainable Development
- Industrial / Organizational Psychology

For more details, please contact:

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UNIVERSITY OF PERADENIYA

FACULTY OF ENGINEERING

Academic Programme

"Scientists study the world as it is, engineers create the world that never has been"

-Theodore von Karman