Undergraduate Degree Program

Entry to Software Engineering degree programs is governed by regulations issued by the Higher Education Council for private universities (at least 60% on the Tawjihi exam scientific stream).

Structure Of Undergraduate Degree Program

Teaching is structured according to modular schemes and takes the form of a combination of lectures. The fields of knowledge covered in the study plan follows the Jordanian accreditation standards in addition to CC 2001 International recommendations. Tutorials and practical classes are greatly encouraged. Each academic year has two semesters and is referred to as-year-i.e...1, 2, 3 and 4. The degree program enables students to undertake professional training after finishing 90 credit hours and project in the final year.

Year One

First year covers the introduction to the subject and requires no prior knowledge or experience in computers. It provides an introduction to fundamental disciplines and skills through lectures, tutorials, individual and group work.

Year Two

Students in year 2 are introduced to different programming paradigms and the study of software and hardware systems. The first and the second year classes are considered introductory classes.

Year Three

Studies in year 3 expand the topics introduced in year 2 to provides an opportunity for professional training courses. These are considered intermediate level classes.

Year Four

In the final year, apart from taking a common core of compulsory topics, students choose modules that prepare them for their future career where, for example, some graduates may be expected to develop large-scale software projects. They have to be prepared to understand the underlying theory. Students will also need to expand the knowledge and skills needed to manage and lead in a work environment. Classes at this level are called advanced level classes.

Research Project Module

The ultimate goal of undertaking a project is to demonstrate that the student is capable of independent work and/or group work. It also provides mechanism to consolidate relevant material taught in the undergraduate program and allows its application to the solution or analysis of a particular problem. The new attitude for the final year projects is to stress on the application of CASE tools, such as Rational, in all the stages of the project. This is to demonstrate the usage of the Software Engineering concepts taught during the program period. New programming environments such as Open Source Programming, .net programming, and Open GL are encouraged. Scientific research based projects are also highly recommended specially for students with intentions to join graduate schools.

Assessment

Assessment is done through different ways and are declared at the beginning of the semester through the distribution of a well-formulated syllabus that has common format for all the modules. Arrangements for the assessment of each module are set out in detail in the rules for progression between years. And the final degree classification is given in the program regulations and module specifications. Assessment may take several forms: traditional written examinations, course work, tests and oral presentations, as appropriate. In some modules, students are asked to use the Internet to retrieve related material and organize reports and documents. At the Software Engineering Department, great emphasis is put on the practical part of the module. Projects are mandatory in most of the program modules. The skills associated with working in teams are learned and assessed in group projects.

How to Apply

Prospective students are advised to consult the edition of the University's undergraduate handbook relevant to their intended year of entry. They can also contact the head of the department who will advise and give further details about the teaching program. Students who have access to Internet are advised to consult the Department website and send e-mails or any types of inquiries to the Department head.

Faculty of Information Technology

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