**INFORMATION TECHNOLOGY (2 years, Diploma)**

*– This program is registered but not yet accredited*

The Information Technology program lasts for two years and it includes one summer period of industrial placement. Upon successful completion of this program, students are awarded the Diploma in Information Technology.

The principal aim of this program is to produce computing and information systems professionals, who will have the understanding of the technology and the necessary knowledge and skills to be able to work at a high level in the related industry. The main concern is with the utilization of technology and support in a modern enterprise.

Upon successful completion of this program students will be able to demonstrate an understanding of the fundamental characteristics of information systems and their role within organizations as well as to acquire the know how to evaluate and select appropriate methods and technologies for representing, managing, and disseminating information. Moreover, the Information Technology graduates will be able to contribute to information system implementation, using sound principles of analysis and design, and demonstrate practical competence in a range of current software systems as well as adapt and learn new evolving technologies as to be able to implement them afterwards in the workplace.

Excellent prospects are offered to graduates who will work for a small to medium-sized firms whose line of business is not necessarily technical. Our graduates will be able to apply themselves in a variety of tasks and contribute to the overall IT section of the firm. They will design, build and/or maintain the firm’s local area network and gateways to the Internet; specify, procure, deploy and maintain computer hardware and software; build and maintain Web sites for both Internet and intranet solutions; develop database applications and Web front-ends to those databases. In nutshell, they will identify and take care of the computing and information needs of their users.

Graduates of this program wishing to continue their studies may join the Bachelors degree in Business Studies with concentration in Management Information Systems offered by the College, or join programs of foreign Universities.

There are two intakes per year: October and February

**INFORMATION TECHNOLOGY**

## PROGRAM STRUCTURE

|  |  |  |  |
| --- | --- | --- | --- |
| No. | Course Name and Number | Contact hours per week | Number of ECTS per semester |
|  | **SEMESTER ONE**  **Compulsory subjects:** |  |  |
| 1 | COM103 – Computer Fundamentals | 3 | 6 |
| 2 | MAT101 - College Algebra and Trigonometry | 3 | 6 |
| 3 | COM104 - Introduction to Multimedia: the Internet and the Web | 4 | 8 |
| 4  5 | COM105 - Programming for Information Technology I  ENG121 - The Technique of Writing and English  Language Studies | 4  3 | 8  6 |
|  |  |  |  |
| 6  7 | **Electives: One of the following two**  CYP101 - Cyprus History  BUS102 - Introduction to Business | 3 | 6 |
|  | **TOTAL** | **20hrs** | **40 ECTS** |
|  |  |  |  |
|  | **SEMESTER TWO**  **Compulsory:** |  |  |
| 8 | MAT102 - Discrete Mathematics for  Technologists I | 4 | 8 |
| 9 | COM201 - Programming for Information Technology II | 4 | 8 |
| 10 | COM202 - Systems Analysis and Design | 4 | 8 |
| 11 | ENG122 - The Technique of Writing and Advanced English Language Studies | 3 | 6 |
|  |  |  |  |
| 12  13 | **Electives: One of the following two**  ACC205 Financial Accounting  HUM202 Business Psychology | 3 | 6 |
|  | **TOTAL** | **18 hrs** | **36 ECTS** |
| 14 | COM211 Industrial Placement | NA | 6 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | **SEMESTER THREE**  **Compulsory subjects:** |  |  |
| 15 | MAT201 - Discrete Mathematics for  Technologists II | 4 | 8 |
| 16 | COM203 - Programming for Information Technology III | 4 | 8 |
| 17 | COM204 - Introduction to Database and Data Modeling | 4 | 8 |
| 18 | COM205 - Computer Architecture | 4 | 8 |
|  | **Electives: One of the following two** |  |  |
| 19 | ACC206 Financial Management |  |  |
| 20 | MAR101 Marketing Principles | 2 | 4 |
|  | **TOTAL** | **18hrs** | **36 ECTS** |
|  | **SEMESTER FOUR** |  |  |
|  | **Compulsory subjects:** |  |  |
| 21 | MAT202 - Data Analysis | 3 | 6 |
| 22 | COM208 - Data Communications andComputer Networks | 4 | 8 |
| 23 | COM209 - Human Computer Interaction | 4 | 8 |
| 24 | COM210 - Data Structures | 4 | 8 |
| 25 | Electives: One of the following two LAW301 Business Law |  |  |
| 26 | MAR201 International Marketing | 3 | 6 |
|  | **TOTAL** | **18hrs** | **36 ECTS** |

## Upon successful completion of this program, students are awarded the Diploma in Information Technology.