



## MASTER OF SCIENCE IN

# COMPUTER ENGINEERING AND INFORMATION TECHNOLOGY “MULTIMEDIA DESIGN” PROFILE

### Short Description:

The study program Master of Science in “Computer Engineering and Information Technology”, Profile “Multimedia –Design”, provides graduates with in-depth theoretical knowledge, as well as training for scientific research in this particular area.

This study program is designed to prepare students in accordance with the technical requirements of the telecommunications industry, financial institutions and post-graduate master studies in Computer Engineering or related fields. The basis of the program is focused on building critical thinking in order for professionals to take proper decisions.

“Multimedia – Design” Profile, is a program that offers solid computer skills and expands students’ knowledge in interactive communication field using new techniques for the data visualization and computer systems interface creation according to new standards. The objective of this profile is to provide its graduate engineers with the ability to design and develop software interfaces for all mobile platforms, tablets, desktop, televisions and other new equipment that are a new in the market such as intelligent clocks.

### Access Requirement(s):

Students holding a Diploma of the first cycle of studies (Bachelor) or an equivalent degree, recognized by the Ministry of Education and Sports.

To meet the English language criteria according to the paragraph 4 of the Article 76 of the Law No. 80/2015 "For the Higher Education and Scientific Research in the Republic of Albania" and the Guideline No. 52 dated 03.12.2015 of the Ministry of Education and Sport.

### Typical Career Opportunities:

- Multimedia professionals/consultants
- Multimedia Designer
- Animators or audio and video producers
- Information Technology Professional
- IT Professional for government departments and cultural organizations
- NGOs and private sector image creator
- Computer systems designing industry professional
- Software-publishing industry professional
- Advertising industry professional
- Web marketing and web publishing professional
- TV and creative studios specialist

## "MULTIMEDIA DESIGN" PROFILE

### FIRST YEAR

Term	Course Title
Fall	Advanced Java Programming
Fall	User Interface Design
Fall	Advanced Research Methods
Fall	Advanced Project Management
Fall	Database Design and Administration
Spring	Data Visualization
Spring	Design Principles for Multimedia
Spring	Network Programming
Spring	Multimedia Theory
Spring	Elective subject one of: - Digital and Internet Marketing - Mobile App Interface Design and Accessibility

### SECOND YEAR

Term	Course Title
Fall	Web Engineering
Fall	3D Animation and Virtual Space
Fall	Introduction to Multimedia Imaging
Fall	Responsive Web Design
Spring	<b>Internship</b>
Spring	<b>Thesis</b>

## CANADIAN INSTITUTE OF TECHNOLOGY

Porcelan, St. Khanfize Keko No. 12 (Complex Xhura, near TV Klan) Tirana - Albania

+355 67 40 42 042 · +355 42 22 9778 · info@cit.edu.al