



**European  
University Cyprus**

LAUREATE INTERNATIONAL UNIVERSITIES



# Telecommunications Engineering

(18 MONTHS, MASTER OF SCIENCE)

Telecommunications is one of the fastest developing commercial sectors on a worldwide scale, offering excellent employment opportunities. The MSc in Telecommunications Engineering Program offered at EUC provides both theoretical knowledge and hands-on experience on the most important aspects of telecommunications such as wired, communications, wireless communications, as well as on the latest standards and trends in the field of telecommunications.

## Employment Opportunities

Telecommunications Engineering graduates can begin their professional career specialising in wired and wireless communications. Graduate students will be eligible to apply for jobs in both telecommunications and/or networks professional environments. Examples of the positions which can be covered by graduates include, but are not limited to the following: Project Management, Systems Design, Mobile/Wireless Networks Design, RF and Microwave Engineering, Antenna Design, Digital Receiver design, Satellite Communications, and other. Graduates who will continue for a PhD may look for employment in the education sector.

---

The University was rated by the International university rating organization **QS TOP UNIVERSITIES (QS Stars™)** with the highest distinction of **five Stars** in Teaching, Facilities, Inclusiveness, Social Responsibility and Internationalisation.

---

Find us



/EuropeanUniversityCyprus



/EuropeanUniCy



/EUCyprus

---

**European University Cyprus**  
6 Diogenes Street, Engomi,  
P.O.Box 22006, 1516 Nicosia, Cyprus  
Tel: +357 22713000  
Fax: +357 22713172  
[www.euc.ac.cy](http://www.euc.ac.cy)

# Telecommunications Engineering



(18 MONTHS, MASTER OF SCIENCE)

## DEGREE REQUIREMENTS

All students pursuing the Master degree in Telecommunications Engineering must complete the following requirements:

	ECTS
Compulsory courses	52
Elective Courses	16
Master Thesis	22
<b>Total Requirements</b>	<b>90</b>

## COMPULSORY COURSES

CODE	COURSE TITLE	ECTS
ECE 611	Data Communications and Networking	8
ECE 612	Digital Communications	8
ECE 613	Statistical Analysis and Quality Control	6
ECE 621	RF and Microwave Engineering	10
ECE 622	Antennas, EM Devices and Propagation	10
ECE 623	Advanced Mobile Radio Communications	10
	<b>Total ECTS</b>	<b>52</b>

## ELECTIVE COURSES (16 ECTS)

Students choose **two** from the following courses:

CODE	COURSE TITLE	ECTS
ECE 624	Special Topics in Telecommunication Engineering	8
ECE 625	Satellite Systems Engineering	8
ECE 626	Information Theory and Coding	8
ECE 627	Digital Receivers	8
ECE 628	Advanced Signal Processing	8
ECE 629	Optical Communications	8
ECE 630	Satellite Communication Systems	8
ECE 631	Distributed Computing and Parallel Processing	8
ECE 632	Approximation and Randomized Algorithms	8
ECE 633	Graph Theory & Applications in Networks	8

## MASTER THESIS

CODE	COURSE TITLE	ECTS
ECE 690	Master Thesis	22
	<b>Total ECTS</b>	<b>22</b>

► Language of instruction: English

### General Admission Requirements

Applicants for admission to the Master Degree in Telecommunications Engineering must hold a bachelor's degree from a recognized university in areas such as Telecommunications Engineering, Electrical Engineering, Computer Engineering, or a related field. Alternatively, applicants with a recognized Bachelor's from other backgrounds related to Telecommunications Engineering such as mathematics, branches of engineering can be considered eligible for admission upon completion of foundation courses on Telecommunications Engineering.

### Specific Admission Requirements

1. A completed Application Form together with a non-refundable fee of €52
2. An official copy of academic transcript
3. An attested copy of a Bachelor's degree from a recognized university
4. Proof of English Proficiency, which includes one of the following:
  - a. Proof that undergraduate instruction and coursework has been done in English
  - b. The Test of English as a Foreign Language (TOEFL) examination with a minimum score of 550 paper-based total (213 Computer-based total), or above
  - c. IELTS with a score of 6.5 or English Language IGCSE O' Level with grade "C" or above
  - d. English Placement Test of European University Cyprus
5. Letter of recommendation
6. Proof of work experience (if available)
7. Copy of high school leaving certificate
8. Recent CV
9. One passport size photograph
10. Any other information, which can support the student's application such as awards, academic achievements and other qualifications