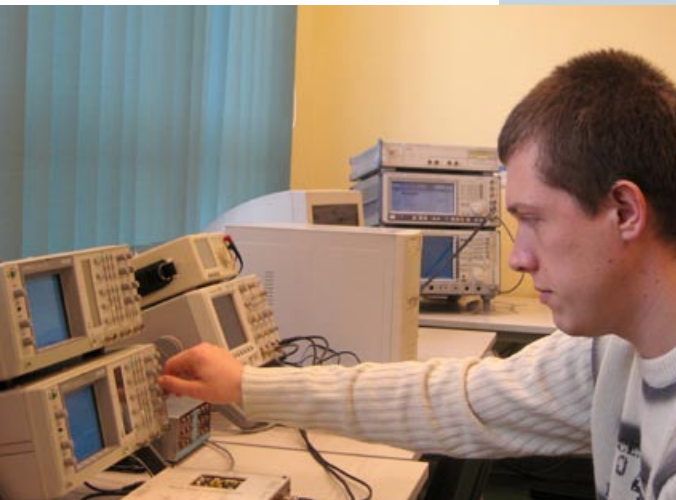


Information and Communication Technologies

Field of study: Electronics and Telecommunications (E&T)



Course summary:

Semester 1

- Mathematics – mathematical analysis, algebra, probability and statistics
- Algorithms in E&T with Matlab
- Elements of sociology and ethics
- Introduction to ICT
- Physical training

Semester 2

- Physics
- C programming
- Metrology
- Circuit theory
- Signal theory
- Foreign language

Semester 3

- Electromagnetic field theory
- Semiconductor devices
- Digital techniques (logic circuits)
- System theory
- C++ programming
- Foreign language (cont.)

Semester 4

- Digital technique (logic circuits)
- Waves and antennas
- Digital signal processing
- C# programming
- Introduction to telecommunications
- Opto-telecommunications
- Analogue electronic circuits
- Microprocessors
- Intellectual property rights

Semester 5

- Waves and antennas (cont.)
- Introduction to telecommunications (cont.)
- Opto-telecommunications (cont.)
- DSP microprocessors
- Introduction to multimedia
- Digital communication systems
- Computer network technologies

Semester 6

- Telecommunication networks
- Selected legal issues in telecommunications
- Economic
- Digital simulation techniques
- Computer measurement systems
- Introduction to radiocommunications
- Computer aided design
- Introduction to operational systems and data bases
- Elective course I
- Elective course II

Semester 7

- Integrated networks
- Communication system exploitation
- Optoelectronics and photonics
- Wireless networks
- Elective course III
- Diploma seminar
- Engineering (B.Sc.) dissertation

Programme description

Graduates obtain knowledge in electronics, telecommunication systems, communication and computer networks, mobile communications and multimedia. They are able to program in C, C++, C# and Matlab to solve several communication and electronic tasks. They are familiar with optoelectronic circuits and systems, TV, antennas and microwaves. They are able to effectively configure computer and wireless networks. In the sixth semester the students select one of the following specialisations: computer networks and Internet technologies, Radio and mobile communications, Communication systems and Multimedia and consumer electronics. The graduates are prepared to work at industry and services associated with modern electronics, communications and informatics. The BSc studies are finalized with the diploma thesis on a selected topic in electronics and telecommunications. Finally, the graduates are directly prepared for M.Sc. studies in E&T.

Due to university participation in the UE Socrates Erasmus Exchange Programme, the best students can spend a semester at several universities in foreign countries (Germany, France, Finland, Spain, Italy, Portugal, Greece, Turkey) where they can train their language, professional skills and learn a way of life and studies at a different country.



Information and Communication Technologies

Field of study: Electronics and Telecommunications (E&T)

University	Poznan University of Technology Poznan, POLAND
Degree to be obtained	Bachelor of Science (Engineer)
Department	Faculty of Electronics and Telecommunications
Address	Piotrowo 3A 60-965 Poznan Phone: +48 61 665 2293 Fax: +48 61 665 2572
Programme web site	http://www.put.edu.pl/
Contact	Lifelong Learning and International Education Office Pl. M. Skłodowskiej-Curie 5 60-965 Poznan
Phone	+48 61 665 3544
Fax	+48 61 665 3956
E-mail	study@put.poznan.pl
Language of instruction	English
Tuition fee	EU citizens: free of charge NON-EU citizens: 2000 EUR per year
Registration fee	EU citizens: 85 PLN NON-EU citizens: 200 EUR
ETCS points	210
Duration	3.5 years (7 semesters)
Programme begins	end of September
Programme ends	end of June
Deadline for applications	June 1
Education requirements	English language – level B2 (Common European Framework), Secondary school certificate which entitles its holder to apply to higher education institutions. Full list of the required documents is available at http://www.put.edu.pl/
Mode of instruction	Lectures, classes, laboratory classes, projects, internships, seminars

