International candidates are welcome to join our BSc programme offered in English to both international and Polish students. BSc studies in E&T are offered in the form of a 7-semester programme. For those wishing to continue their studies at our university, we offer ICT specialisation directly following 3-semester MSc studies in E&T.

The graduates of the 7-semester studies will receive the degree of Bachelor of Science (Engineer) in Electronics and Telecommunications.

Admission requirements:
- working knowledge of English sufficient for active participation in courses, reading of learning materials and literature, writing reports and examinations, confirmed with a B2 certificate
- secondary school certificate which entitles its holder to apply to higher education institutions
- appropriate permission to stay in Poland depending on nationality and status.

Application deadline: July 1st

Tuition fee: check current university regulations at www.put.edu.pl/content/1/prospective-students
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Overview of Courses

Semester 1
- Math 1 - Mathematical analysis
- Math 2 - Algebra
- Algorithms in E&T with Matlab™
- History of Poland / Elements of sociology and ethics
- Introduction to ICT networks
- Sports (selected disciplines)
- Metrology (Lecture)

Semester 2
- Physics
- Programming in C
- Metrology (Lab)
- Electrical circuits
- Signal theory
- Business in ICT / Principles of entrepreneurship (Seminar)
- Selected language course (Polish or English preferred)

Semester 3
- Electromagnetic waves
- Semiconductor devices and analogue electronics
- Digital systems design
- System theory
- Programming in C++
- Foundations of telecommunications
- Probabilistic methods in E&T

Semester 4
- Digital systems design (cont.)
- Digital signal processing
- Foundations of telecommunications (cont.)
- Opto-telecommunications (Lecture)
- Computer networks
- Telecommunication networks
- Microprocessors (Lecture)

Semester 5
- Opto-telecommunications (Lab)
- Introduction to multimedia
- Programmable digital circuits
- Programming in Java
- Digital communications
- Computer-aided design
- Microprocessors (Lab)
- Simulation techniques (Lecture)

Semester 6
- Practical design of communication networks
- Simulation techniques (Project)
- Computer measurement systems
- Radiocommunications
- Multimedia communications
- Hardware-oriented network operating systems
- Database architectures
- Synchronous digital hierarchy
- Introduction to visual data analysis
- Internship

Semester 7
- Programming of mobile terminals
- Optical networks
- Optoelectronics and photonics
- Wireless local area networks
- Diploma seminar
- BSc diploma thesis

Programme information:
http://www.put.edu.pl/bsc-programmes
### Overview of Courses

**Preparatory semester**
- Telecommunication systems
- Digital signal processing
- Communication and computer networks*
- Multimedia*
- Programming*
- Digital and wireless communications*

**Semester 1**
- Selected topics in mathematics
- Numerical methods
- English/Polsih language
- Information and coding theory
- Information network management
- Mobile systems
- Multimedia systems
- Satellite navigation systems
- Optical fiber communication systems
- Internship

**Semester 2**
- Optimization methods
- Telecommunication network design
- Programmable digital systems
- Advanced signal processing algorithms
- Workshop
- Transmission*
- Digital signal processing*
- Security*

**Semester 3**
- Computer networks*
- Modern telecommunications*
- Wireless communications*
- Diploma seminar
- Master (MSc) diploma thesis

* Elective courses – advances in subject areas

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**Programme information:**

MSc Programme in Electronics and Telecommunications (E&T)

Specialisation: Information and Communication Technologies (ICT)

International candidates are welcome to join our MSc programme offered in English to both international and Polish students. BSc studies in E&T (ICT) are offered as

- **3-semester programme** – meant for BSc graduates in electronics and telecommunications
- **4-semester programme** – dedicated to BSc diploma holders in subject areas other than, yet related to E&T

The 4-semester programme includes a preparatory semester devoted to enhancing and broadening the student’s knowledge in E&T (e.g. general electrical engineering, computer science, physics, technical physics, mathematics, control engineering, etc.). The other part of the curriculum is identical to the 3-semester programme.

Students can select a number of courses from the range proposed by the faculty in such areas of E&T as: telecommunication systems, multimedia, communication networks, wireless communications.

Graduates receive the degree of Master of Science (Engineer) in Electronics and Telecommunications, specialization: Information and Communication Technologies.

**Admission requirements for the 3-semester MSc programme in E&T:**

- Bachelor of Science diploma in electronics and telecommunications (exclusively)
- English language skills - working command, confirmed with a B2 certificate

**Admission requirements for the 4-semester MSc programme in E&T:**

- Bachelor of Science diploma in electrical engineering, control engineering and robotics, computer science, physics and technical physics, or mathematics
- working knowledge of English sufficient for active participation in courses, reading of learning materials and literature, writing reports and examinations, confirmed with a B2 certificate

**Application deadline:**

- July 1st (4-semester programme starting in October)
- November 1st (3-semester programme starting in March)

**Tuition fee:** check current university regulations at [www.put.edu.pl/content/1/prospective-students](http://www.put.edu.pl/content/1/prospective-students)
Application and Admission for Programmes Offered in English

**BSc Degree Programme**

**EU/EFTA citizens**
- Tuition fee: free of charge
- Application fee: PLN 85 PLN (ca €20)

**Non-EU/EFTA citizens**
- Tuition fee: €1,200 / first semester
- €1,000 per each following semester
- Application fee: €200

**MSc Degree Programme**

**EU/EFTA citizens**
- Tuition fee: free of charge
- Application fee: PLN 85 (ca €20)

**Non-EU/EFTA citizens**
- Tuition fee: €1,600 / first semester
- €1,400 per each following semester
- Application fee: €200

**PhD Programme**

**EU students**
- Tuition fee: free of charge

**Non-EU students**
- Tuition fee: €1,700 / first semester
- €1,500 per each following semester

Application and Admission Contact for All International Candidates

The PUT application procedures are operated exclusively by the **LLL & International Education Office**

Email: study@put.poznan.pl
Phone: +48 61 665 3544
Fax: +48 61 665 3956

www.put.edu.pl
PhD Programme in Communication Technologies (CT)

The Faculty of Electronics and Telecommunications has the right to confer PhD degrees in the scientific discipline of Telecommunications (subject area: Information Engineering; field of science and technology: Engineering and Technology).

PhD programme and admission information:  
http://www.et.put.poznan.pl/index.php/en/students/phd-programe

Application deadline: May 31st

ERASMUS Exchange Programme

The Faculty can host exchange students from over 30 universities within the EU ERASMUS programme, at both BSc and MSc level.

International exchange students choose courses and participate in classes from the MSc curriculum in English (Electronics and Telecommunications, specialization: Information and Communication Technologies)


Application deadline: May 31st (for both autumn and spring semesters)

Studying in Polish

Degree programmes available at the Faculty:
- Undergraduate programme in Electronics and Telecommunications (obtained degree: BSc)
- Graduate programme in Electronics and Telecommunications (obtained degree: MSc)

Participation in the degree programmes taught in Polish requires a good command of the Polish language, confirmed with a B2 level certificate.

University recruitment process – through the PUT online application system, operated in Polish.

Programme information and application details at:  www.put.poznan.pl/rekrutacja
Faculty of Electronics and Telecommunications

Academic Structure – Areas of Research and Education

KR

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Chair of Multimedia Telecommunications

Chair of Wireless Communications

Chair of Communications and Computer Networks

Chair of Telecommunication Systems and Optoelectronics

- wireless communications
- wireless networks

- information and coding theory
- automated synthesis and testing of VLSI digital circuits
- network standards and protocols
- signal processing in telecommunications

- communication and computer networks systems
- integrated networks
- optical switching
- traffic and switching theory
- Internet and billing systems

- image processing and system theory
- microelectronics, filters and digital signal processing
- multimedia systems and signal propagation
- electromagnetic wave propagation theory and antennas
- image and video coding
- theory and practice in the domains of synchronization techniques
- signal processing in electronics measurement systems
- applications of microprocessors
- cryoelectronics and nanostructures
- optical communications

International students are invited to join one of the following student research groups affiliated with the Faculty of Electronics and Telecommunications:

- DIODAK (design of digital circuits)
- Multimedia Studio (3-D TV, biometric identification, etc.)
- AEGIS (computer networks, network security)
- KRÓTKOFALOWCY (amateur radio)
- PAJĄCZEK (design of electronic circuits)
- PYRALAB (programming of mobile terminals)
- SPACJA TV (student television - video production)

http://wcs.et.put.poznan.pl
http://nss.et.put.poznan.pl
http://www.multimedia.edu.pl
http://kstio.pl
Academic Structure
– Areas of Research and Education

**Chair of Wireless Communications**

http://wcs.et.put.poznan.pl

- wireless communications
- wireless networks
- information and coding theory
- automated synthesis and testing of VLSI digital circuits
- network standards and protocols
- signal processing in telecommunications

**Chair of Communications and Computer Networks**

http://nss.et.put.poznan.pl

- communication and computer networks systems
- integrated networks
- optical switching
- traffic and switching theory
- Internet and billing systems

**Chair of Multimedia Telecommunications and Microelectronics**

http://www.multimedia.edu.pl

- image processing and system theory
- microelectronics, filters and digital signal processing
- multimedia systems and signal propagation
- electromagnetic wave propagation theory and antennas
- image and video coding

**Chair of Telecommunication Systems and Optoelectronics**

http://kstio.pl

- theory and practice in the domains of synchronization techniques
- signal processing in electronics measurement systems
- applications of microprocessors
- optical communications
- cryoelectronics and nanostructures

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Poznan University of Technology, with its history going back to 1919, with over 1,000 of academic staff and almost 20,000 students, is one of the leading technical universities in Poland. It is also a scientific brand recognised all over Europe and worldwide. PUT offers several undergraduate (BSc) and graduate (MSc) programmes in English.

The majority of university buildings and facilities are located at the Warta Campus, where student life is focused, both academic and spare time activities.

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**Academic Facilities**

**Computer facilities:** modern laboratories serve both researchers and students. Access to computer and online services is offered through the university and faculty computer network and students’ e-accounts.

**The PUT Library:** located in a new building right at the Warta Campus (Piotrowo St.), offers access to over 600,000 volumes, textbooks, teaching materials, journals, as well as electronics resources, databases and catalogues.


**The Library of the Faculty of Electronics and Telecommunications:** located in the faculty building in Polanka street.

**Language training:** at the Centre of Languages and Communication. Courses in Polish as foreign language, English, German, French, Spanish, and Russian.

[www.clc.put.poznan.pl](http://www.clc.put.poznan.pl)

**Accommodation:** Students’ dormitories are situated around the Warta campus, within walking distance from the university. The rooms are double with a bathroom and a shared kitchen. All dormitories are heated and furnished. Cooking utensils are not supplied. There is a laundry and some parking space. Full details about rents and conditions are available at the Office of International Relations.

[Student Union](http://samorzad.put.poznan.pl)

**Sports:** the Department of Physical Training and Sports runs a modern Sports Centre of PUT – an indoor facility housing a gym, fitness hall, table tennis hall and social units. Around the Warta campus there are also outdoor facilities, basketball, volleyball, tennis and football fields.

[Erasmus Student Network](http://www.esnpoznan.pl)
Poznań is the capital of Wielkopolska – one of the most economically and culturally developed regions in Poland. Half-way between Berlin and Warsaw, the city is a vibrant metropolis, important centre of culture, research, business and entertainment.


In academic Poznań, there are over 30 higher education institutions, both public and private, among them the most prestigious: the Adam Mickiewicz University, the Poznan University of Medical Sciences, the Poznan University of Economics, and – last but not least – the Poznan University of Technology. The impressive number of over 130,000 students living here give the city an incredible energy.

www.poznan.pl  www.youarein.poznan.pl
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Poland – a magnificent country at the crossroads of Western and Easter Europe, with a thousand years of turbulent and fascinating history, member of the European Union and the Schengen Area, one of the most populous and youngest European nations. Its central geopolitical and geographical location has been facilitating Poland's relations with foreign investors, tourists, artists, scientists.

Polish academic traditions go back to 14th century, when the Jagiellonian University of Cracow was founded. Nicolaus Copernicus and Maria Skłodowska-Curie were among the greatest scientists in the history of mankind. Polish higher education institutions form the most dynamically developing educational market in Europe.
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**In Short**

- **Official name:** Republic of Poland
- **Member of the European Union:** since 2004
- **Capital city:** Warszawa
- **Major cities:** Kraków, Gdańsk, Poznań, Wrocław
- **Monetary unit:** złoty (PLN)
- **Location:** Central Europe
- **Language:** Polish
- **Population:** ca 38 million people
- **Local time:** GMT+1 hour
- **Current exchange rates:** www.nbp.pl
Faculty of Electronics and Telecommunications
www.et.put.poznan.pl

Faculty Main Building
(chairs, laboratories, library)
ul. Polanka 3
60-965 Poznań

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fax: +48 61 665 25 72
Email: office@et.put.poznan.pl

Poznan University of Technology
www.put.edu.pl
www.put.poznan.pl/rekrutacja

LLL and International Education Office
ERASMUS PLUS Institutional Coordinator
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