

Telecommunications Technologies and Systems

FACULTY

*Faculty of Electronics,
Telecommunications and
Information Technology*

FIELD OF STUDY

*Electronics and
Telecommunications
Engineering*

LANGUAGE

English

DEGREE AWARDED

*Bachelor of Science
(BSc)*

DURATION

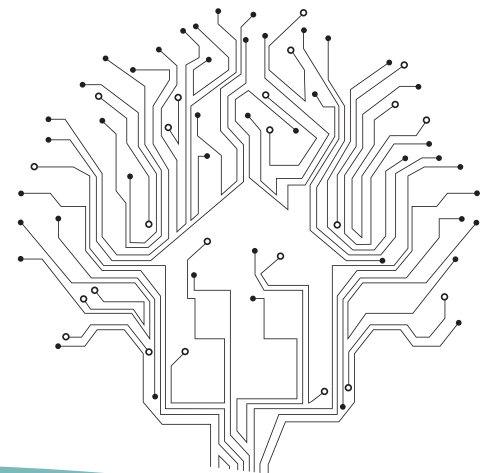
8 semesters/4 years

CREDIT POINTS

240 ECTS

OBJECTIVES

- Active learning ability
- Ability to understand technological solutions for telecommunications and making decisions based on logic and critical thinking
- Ability to understand technical requirements and solutions proposals in telecommunications
- Team working
- Ability to interact with specialists from other domains.



GRADUATES

- Analysis, design, testing and evaluation of local area/wide area networks, Internet, telecommunications systems and cloud
- Modeling and planning of telecommunications networks
- Installation, configuration, operation and hardware/software maintenance of telecommunications networks
- Multimedia signal processing (voice, data, text, image)
- Modulation, coding, compression systems design
- Telecommunications hardware implementation with microprocessors, microcontrollers, signal processors
- Web technologies and multimedia applications

MAIN TEACHING AREAS

Computer Programming – Languages and Algorithms, Applied Informatics, Microwaves, Microprocessors, Theory of Information and Coding, Modulation Techniques, Programming Engineering, Telephony, Decision and Estimation in Information Processing, Switching and Routing Systems, Radio Communications, Computer Networks, Television Engineering, Internet Protocols, Cellular Radio Communications, Mobile Communications, Data Transmission, Audio-Video Digital Techniques, Digital Image and Speech Processing, Multimedia Technologies, Media and Digital Signal Processors

ADMISSION REQUIREMENTS AND PROCESS, TUITION FEES

Check the information posted on the International Relations Office:
http://bri.utcluj.ro/RI2_en/admitere_eu_neu.php

INDUSTRIAL / ACADEMIC PARTNERS

Telekom România Communications SA, Net BrinelCluj-Napoca, Orange România SA, Vodafone România SA, Frequentis România SRL, NTT Data România SA, Emerson SRL, Samsung Electronics Co LTD, Nokia România SRL, Cisco SRL, Huawei Technologies SRL, Betfair Romania Development SRL, Siemens SRL, Robert Bosch SRL, Rohde & Schwarz România SRL

JOB OPENINGS

Telecommunications Networks engineer, Computer Networks engineer, Radio Communications engineer, Network Planning engineer, Embedded Systems Engineer, Software engineer

CONTACT

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