

Telecommunication Engineering

Program Objective

This undergraduate program is designed for non-Chinese speaking international students who should have a high school diploma (or equivalent). The program aims to enable students to learn about Chinese culture and society, acquire the solid theoretical knowledge in the field of communication engineering, develop their hands-on practical skills to meet the requirements of international communication engineering industries, and reinforce their interpersonal skill and innovation ability. Through courses, labs, project studies, and thesis design, the graduates will have the ability to work in electronic and communication engineering areas, such as designing, developing, testing, or maintaining the communication systems, network communication devices, electronic information systems, etc.

Students should meet the engineering science related, communication fundamentals related, and computer related course requirements, mainly including Mathematics, Physics, Fundamentals of Electronic Circuits, Digital and Analog Electronic Circuits, Signal and Systems, Operation Systems, Programming Design, Data Structure, etc. The students should have an expertise in communication engineering, strong communication and cooperation abilities in cross-culture environments, quick learning ability to understand the trends or new technologies of communication engineering.

Major Courses

General Courses: Elementary Chinese, Advanced Spoken Chinese, English-Chinese Translation, Outline of China, Advanced Application of Office Software, etc.

Compulsory Courses: Fundamentals of Electronic Circuits, Analog Electronic Circuits, Digital Electrical Circuits, C Programming Language, etc.

Core Courses: Signal and Systems, Communication Theory, Microprocessor Technology, Network Programming Languages & Techniques, etc.

Elective Courses: Wireless Communication Technology, Digital Image Processing, Operating Systems, Mobile Communication, Internet of Things, Modern Switching Technology, etc.

Length, Credits and Degree

The length of curriculum is normally four years. Minimum credits for graduation: 130 credits. Qualified student will be granted Bachelor Degree of Engineering in Communication Engineering.