

06 Outcomes Official Programme Name

abstract : The official programme name of our programme is Electronic Information Engineering , which is an important undergraduate program in the field of engineering, with a four-year duration and confers a Bachelor of Engineering degree. It belongs to the Electronic Engineering category under the Engineering discipline, with a discipline code of 08 and a professional category code of 0807.

1. General Education Courses in Humanities and Social Sciences

The humanities and social science courses are jointly undertaken by multiple teaching units: ideological and political theory courses are provided by the School of Marxism; College English is offered by the School of Foreign Languages; physical education courses are organized by the Department of Physical Education; military theory is undertaken by the Department of Physical Education; mental health education is carried out by the Mental Health Education and Counseling Center for College Students; career planning and employment guidance courses are undertaken by the Party Committee Student Affairs Department and various colleges; courses of Innovative Methods and Practices and Entrepreneurship Foundation are undertaken by the School of Innovation and Entrepreneurship Education. These courses aim to comprehensively enhance students' humanistic literacy, ideological and moral character, and social responsibility.

Course Code	Course Name
my01031010	Ideological and Moral Cultivation and the Rule of Law
my02051010	Outline of Modern Chinese History
my03041010	Basic Principles of Marxism
my04212010	Introduction to Mao Zedong Thought and the Theoretical System of Socialism with Chinese Characteristics
my04011010	Introduction to Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era
my05011011-8	Current Situation and Policies
wy01101011-3	College English
ty01012011-5	College Physical Education and Health
ty04012010	Military Theory
wz01601010	Military Skills
xl01021010	Mental Health Education for College Students
my04031020	Learning to Build Dreams
jg05581010	Introduction to Artificial Intelligence and Its Applications
my04051020	History of Reform and Opening-up
dq04281011	Career Guidance and Career Planning for College Students I
dq04281012	Career Guidance and Career Planning for College Students II
sc01022020	Innovative Methods and Practices
sc01012020	Entrepreneurship Foundation
my03061010	National Security Education

2. Mathematics and Natural Science Courses

The mathematics and natural science courses are mainly taught by the School of Science and the School of Water Resources and Environmental Engineering, covering core courses such as Advanced Mathematics, Linear Algebra, Probability Theory and Mathematical Statistics, College Physics, Complex Functions and Introduction to Environmental Science. These courses emphasize the construction of mathematical and scientific foundations and the cultivation of scientific thinking, providing the necessary theoretical support and analytical tools for students' subsequent professional course study.

Course Code	Course Name
lx01013011-2	Advanced Mathematics III
lx02022010	Linear Algebra II
lx02032010	Probability Theory and Mathematical Statistics I
lx03023010	College Physics Experiment III
lx03015011-2	College Physics I
lx02041010	Complex Functions
sz03501010	Introduction to Environmental Science

3. Engineering and professional-related courses

The engineering and professional-related courses are coordinated by the School of Electrical and Information Engineering, covering four major modules: engineering foundations, professional foundations, professional courses and distinctive electives, involving important modules such as Electric Circuit Theory, Signals and Systems, Data Structures, Digital Signal Processing and High-Frequency Electronic Circuits. Some information technology courses are jointly offered by the School of Computer Technology and Engineering, aiming to systematically cultivate students' professional knowledge and engineering application ability in the field of electronic information engineering.

3.1 Required Modules

Course Code	Course Name
jg05122010	Fundamentals of Computer Programming (C Language)
jd01204010	Engineering Drawing
dq01024010	Electric Circuit Theory
dq01032010	Analog Electronic Technology
dq01042010	Digital Electronic Technology
dq04011010	Signals and Systems
lx03031010	Electromagnetic Fields and Electromagnetic Waves
dq04021010	Information Theory and Coding
dq04031010	Digital Signal Processing
dq04042010	High-Frequency Electronic Circuits
dq04061010	Principles of Communication
dq04072010	EDA Technology and Application
dq04091010	Digital Image Processing
dq04231010	Cortex-M3 Development Technology and Practice

3.2 Elective Modules

Course Code	Course Name
jg05081020	C++ Programming Design
dq04102020	Python Machine Learning Practice
dq04082020	DSP Principles and Applications
jg05331020	Computer Communication Networks
jg25011020	Data Structures
dq04252020	RFID Development Technology and Practice
dq04331020	Artificial Intelligence and Embedded Applications
dq04341020	Intelligent Sensing Technology and Applications
dq04351020	Intelligent Instrument System Design

4. Engineering Practice and Graduation Design

The engineering practice and graduation design components are led by the School of Electrical and Information Engineering, implemented jointly with the Engineering Training Center, off-campus internship bases and relevant enterprises. Through practical teaching activities such as course design, various internships and training, comprehensive experiments and graduation project, students' hands-on ability, system design and engineering implementation

abilities are strengthened, achieving comprehensive training from theory to practice.

Course Code	Course Name
gx00611010	Engineering Training
dq04601010	Professional Cognition Practice
dq04632010	Course Design for Microcontroller System Application
dq04701010	MATLAB Basics and Application Training
dq01611010	Electronic Process Internship
dq04611010	Electronic Circuit PCB Design Training
dq04761010	Course Design for EDA Technology and Application
dq04771010	Course Design for Embedded System Application
dq04711010	Specialized English Training for Electronic Information
dq04781010	Comprehensive Practice of Intelligent Hardware
dq04792010	Comprehensive Training of Signal and Image Processing
dq04752010	Production Practice
dq04691010	Graduation Project

5. Second Classroom Quality Development

The second-classroom quality development activities are jointly organized and implemented by the Youth League Committee, the Student Affairs Department, the School of Innovation and Entrepreneurship and various colleges, covering innovation and entrepreneurship practice, social practice, club activities, labor education and practice, etc. This component focuses on the expansion of students' comprehensive qualities, the cultivation of innovative spirit and the improvement of practical ability, with credit recognition carried out in accordance with the relevant management regulations of the university.

Course Code	Course Name
tw01601010	Social Practice
ts02601010	Labor Education and Practice
ml01021010	Artistic Experience and Expression
ml01011010	Aesthetic Education in Universities
gj01021010	Writing and Communication

sc01601010	Innovation and Entrepreneurship Practice
tw01611010	Club Activities