Curriculum System and Credit Analysis

一、 curriculum system

compulsory course

General Education Platform － Elective Courses

Practical Course

compulsory course

Core Disciplinary Courses

Course Category: Elective Course

Course Category: Elective Course

compulsory course

Professional Education Platform － Elective Courses

Practical Course

(1) General Education Platform

(2) Subject Foundation

curriculum module	course title
General Education Required Courses	Ideological and Moral Education and Rule of Law
	An Introduction to Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era
	Essentials of Chinese Modern History
	The Basic Principles of Marxism
	An Introduction to Mao Zedong Thought and the Theoretical System of Socialism with Chinese Characteristics
	situation and policy
	college English
	Fundamentals of Information Science
	college sports
	Mental Health Education for College Students
	Entrepreneurship and Innovation Education, Career Planning, and Employment Guidance
	Military Theory and Military Training
General Education Electives	General Category
	Entrepreneurship and Innovation Category
	Public Art Category
	Physical Education and Health Categories
	College Chinese Language and Literature (Compulsory Course)
	second classroom

curriculum module	course title
Core Required Courses in the Discipline	Advanced Mathematics (1)
	Fundamentals of Engineering Drawing
	linear algebra
	Advanced Mathematics (2)
	college physics
	University Physics Laboratory
	discrete mathematics
	Complex Analysis and Integral Transforms
	Probability Theory and Mathematical Statistics
	C Programming Language
	Electromagnetic Field Theory for Engineering Applications

(3) Professional Education

1. Required Professional Courses

curriculum module	course title
Core Professional Courses	Introduction to Electrical Engineering
	Circuit Principles (1)
	Analog Electronics Technology
	*Digital Electronics Technology
	Microcontroller Principles and Applications
	* power electronic technology
	* electromechanics
	English for Electrical Engineering Majors
	*Electrical Systems of Power Plants
	* power system analysis
	*Automatic Control Principles
	Detection and Conversion Technology
	Electrical Control and PLC
	power system automation
	Power System Relay Protection
	high voltage technique

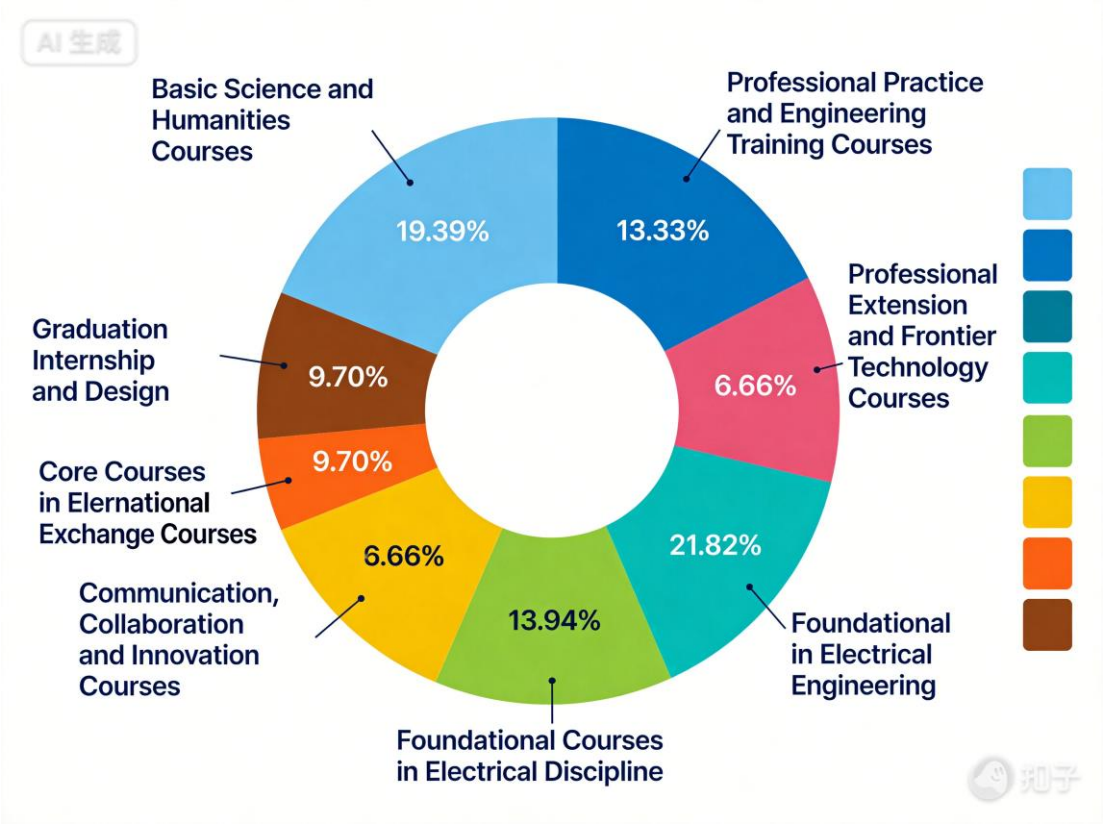
2. Expanding Elective Courses

curriculum module	**course title**
Extended Elective Courses	Circuit Principles (Part 2)
	Smart Grid Technology
	New Energy Power Generation Technology
	High-voltage direct current (HVDC) transmission technology
	Online Monitoring and Fault Diagnosis of Electrical Equipment
	AC/DC Speed Control System
	industrial process control
	Fundamentals of Industrial Economics and Management

（4）Practical Education

Course Modules	course title
Professional Education Practice	Δ Engineering Training Δ
	Δ Δ Professional Orientation Internship
	Literature Search and Scientific Paper Writing
	Electrical Equipment Assembly and Fabrication Practical Training
	C Programming Course Project
	Mathematical Modeling and MATLAB Simulation
	Integrated Electronic Technology Course Design
	Integrated Design of Control System Modeling and Simulation
	Electrical Control and PLC Course Project
	Configuration Control Technology Practical Training
	Integrated Design of Electrical Engineering Drawing
	Integrated Practical Training in Electrical Engineering
	Δ Δ graduation field work
	Δ graduation project Δ
	work
	Socialist Core Values Theme-based Practice

二、 Credit Analysis Chart


AI 生成
Basic Science and Humanities Courses
19.39%
Professional Practice and Engineering Training Courses
13.33%
Professional Extension and Frontier Technology Courses
6.66%
Foundational in Electrical Engineering
21.82%
Foundational Courses in Electrical Discipline
13.94%
Communication, Collaboration and Innovation Courses
6.66%
Core Courses in Elernational Exchange Courses
9.70%
Graduation Internship and Design
9.70%