

Academic credits for Electrical Engineering cooperative Program of National Chin-Yi University of Technology

| | | 1 st academic year | | | | | | 2 nd academic year | | | | | | 3 rd academic year | | | | | | 4 th academic year | | | | | | | | |
|--|---|-------------------------------|----------|-------------|-----------------|----------|---|--|----------|-------------|-----------------|---|---|---|------------------------|-------------|-----------------|--|--|---|----------|------------------------|-----------------|----------|-------------|----------|----------|-------------|
| | | First semester | | | Second semester | | | First semester | | | Second semester | | | First semester | | | Second semester | | | First semester | | | Second semester | | | | | |
| | | Subjects | | | Subjects | | | Subjects | | | Subjects | | | Subjects | | | Subjects | | | Subjects | | | Subjects | | | | | |
| | | Credits | Courses | Internships | Credits | Courses | Internships | Credits | Courses | Internships | Credits | Courses | Internships | Credits | Courses | Internships | Credits | Courses | Internships | Credits | Courses | Internships | Credits | Courses | Internships | Credits | Courses | Internships |
| C o m m o n s u b j e c t s (3 2 c r e d i t s i n t o t a l) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Compulsory | English Listen and speak (I) | 3 | 3 | 0 | | | | Chinese theme reading and writing (I) | 2 | 2 | 0 | | | | | | | | | | | | | | | | | |
| | English Listen and speak (II) | | | | 3 | 3 | 0 | Chinese theme reading and writing (II) | | | 2 | 2 | 0 | | | | | | | | | | | | | | | |
| | Chinese Listening and Reading (I) | 3 | 3 | 0 | | | | | | | | | | | | | | | | | | | | | | | | |
| | Chinese Listening and Reading (II) | | | | 3 | 3 | 0 | | | | | | | | | | | | | | | | | | | | | |
| | Chinese Workshop (I) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Chinese Workshop (II) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Chinese Culture and Life | 2 | 2 | 0 | | | | | | | | | | | | | | | | | | | | | | | | |
| | Human rights and the rule of law | 2 | 2 | 0 | | | | | | | | | | | | | | | | | | | | | | | | |
| | Art Appreciation | 1 | 1 | 0 | | | | | | | | | | | | | | | | | | | | | | | | |
| | Music Appreciation | 1 | 1 | 0 | | | | | | | | | | | | | | | | | | | | | | | | |
| | Introduction to Industrial Development | 2 | 2 | 0 | | | | | | | | | | | | | | | | | | | | | | | | |
| | Introduction to Science and Technology | | | | 2 | 2 | 0 | | | | | | | | | | | | | | | | | | | | | |
| | Physical Education(I) | 1 | 2 | 0 | | | | | | | | | | | | | | | | | | | | | | | | |
| | Physical Education(II) | | | | 1 | 2 | 0 | | | | | | | | | | | | | | | | | | | | | |
| S u b t o t a l | 17 | 18 | 0 | 11 | 12 | 0 | 小 計 | 2 | 2 | 0 | 2 | 2 | 0 | | | | | | | | | | | | | | | |
| B a s i c S u b j e c t s (6 7 c r e d i t s i n t o t a l) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Professional elective courses | Calculus I | 3 | 3 | 0 | | | | Electric Circuit Analysis(I) | 3 | 3 | 0 | | | Microprocessing applications and practice | 3 | 2 | 2 | | | Industry internship (I) | 9 | 0 | 9 | | | | | |
| | Calculus II | | | | 3 | 3 | 0 | The Experiment of Electronics Circuit (I) | 3 | 2 | 2 | | | Project study (I) | 2 | 0 | 6 | | | Industry internship (II) | | | 9 | 0 | 9 | | | |
| | Computer programming and practices (I) | | | | 3 | 2 | 2 | The Industry Practises (I) | 3 | 1 | 2 | | | The Industry Practises (III) | 3 | 1 | 2 | | | | | | | | | | | |
| | Computer programming and practices (II) (Summer vacation) | | | | 3 | 2 | 2 | Electric Circuit Analysis(II) | | | 3 | 3 | 0 | The Industry Practises (IV) | | | 3 | 1 | 2 | | | | | | | | | |
| | Logical design and practice | | | | 3 | 2 | 2 | The Experiment of Electronics Circuit (II) | | | 3 | 2 | 2 | Signals and Systems | | | 3 | 3 | 0 | | | | | | | | | |
| | | | | | | | | The Industry Practises (II) | | | 3 | 1 | 2 | Project study (II) | | | 2 | 0 | 6 | | | | | | | | | |
| | S u b t o t a l | 3 | 3 | 0 | 12 | 9 | 6 | S u b t o t a l | 9 | 6 | 4 | 9 | 6 | 4 | S u b t o t a l | 8 | 3 | 10 | 8 | 4 | 8 | S u b t o t a l | 9 | 0 | 9 | 9 | 0 | 9 |
| | Credits/Hours of Compulsory Subjects | 20 | 21 | 0 | 23 | 21 | 6 | | 11 | 8 | 4 | 11 | 8 | 4 | | 8 | 3 | 10 | 8 | 4 | 8 | | 9 | 0 | 9 | 9 | 0 | 9 |
| | Professional elective courses | | | | | | | PLC Applications & Experiments | 3 | 2 | 2 | | | Introduction to Fuel Cells | 3 | 3 | 0 | | | Electric Machinery Practice | 3 | 2 | 2 | | | | | |
| | | | | | | | | Microprocessor | 3 | 3 | 0 | | | Wireless Sensors Networks | 3 | 3 | 0 | | | Industrial Distribution Design Practice | 3 | 2 | 2 | | | | | |
| | | | | | | | | Introduction to Computer Network | 3 | 3 | 0 | | | Fundamentals of Sensors | 3 | 3 | 0 | | | Implementation of Computer Vision | 3 | 2 | 2 | | | | | |
| | | | | | | | | International Enterprise Management | 3 | 3 | 0 | | | Linux Fundamentals, Applications and Administration | 3 | 3 | 0 | | | System Analysis & Design | 3 | 3 | 0 | | | | | |
| | | | | | | | | Energy Storage technologies | | | 3 | 3 | 0 | Intelligent Robotics | 3 | 3 | 0 | | | Application of Big Data | 3 | 3 | 0 | | | | | |
| | | | | | | | | Industrial Electronics Experiments | | | 3 | 2 | 2 | Digital Communication | 3 | 3 | 0 | | | Embedded system design and experiment | 3 | 2 | 2 | | | | | |
| | | | | | | | Microcontroller Application | | | 3 | 3 | 0 | Consumer Behavior | 3 | 3 | 0 | | | Lens elements and design | 3 | 3 | 0 | | | | | | |
| | | | | | | | Algorithms | | | 3 | 3 | 0 | Mechatronic & Experiments | | | 3 | 2 | 2 | Fundamental of Innovative Electronic Design | 3 | 3 | 0 | | | | | | |
| | | | | | | | C# Programming Language | | | 3 | 3 | 0 | Graphical computer program and experiment | | | 3 | 2 | 2 | Industrial field communication technology | 3 | 3 | 0 | | | | | | |
| | | | | | | | Human Resource Management | | | 3 | 3 | 0 | Engineering Optic Applicat | | | 3 | 3 | 0 | Electric Machinery Control and Experiment | | | 3 | 2 | 2 | | | | |
| | | | | | | | Extracurricular Intern I(winter vacation) | 1 | 0 | 1 | | | Introduction To RF Circuit Design | | | 3 | 3 | 0 | Internet of Things applications and internships | | | 3 | 2 | 2 | | | | |
| | | | | | | | Extracurricular Intern I(summer vacation) | | | 3 | 0 | 3 | TRIZ Systematic Innovation Practice | | | 3 | 2 | 2 | Experiments of Power Electronics | | | 3 | 2 | 2 | | | | |
| | | | | | | | | | | | | | Practical Applications of Cloud Computing | | | 3 | 2 | 2 | Android Application Development and Practice | | | 3 | 2 | 2 | | | | |
| | | | | | | | | | | | | | Electronic Commerce | | | 3 | 3 | 0 | Typical Service System Applications for the Health Care of Elderly | | | 3 | 3 | 0 | | | | |
| | | | | | | | | | | | | Extracurricular Intern II (winter vacation) | 1 | 0 | 1 | | | Fuzzy Control | | | 3 | 3 | 0 | | | | | |
| | | | | | | | | | | | | Extracurricular Intern II (summer vacation) | | | 3 | 0 | 3 | An Introduction to Software Engineering | | | 3 | 3 | 0 | | | | | |
| | | | | | | | | | | | | | | | | | | Introduction to Smart-Living System Design | | | 3 | 3 | 0 | | | | | |
| | | | | | | | | | | | | | | | | | | Database Management System and Laboratory | | | 3 | 2 | 2 | | | | | |
| | | | | | | | | | | | | | | | | | | Internet Marketing | | | 3 | 3 | 0 | | | | | |
| | | | | | | | | | | | | | | | | | | Financial Management | | | 3 | 3 | 0 | | | | | |

Remarks

1. Graduation should be at least 128 credits 【Required courses 99 credits (Include Common subjects 32credits、Basic subjects 67credits)、Elective Courses at least 29 credits】.
2. Through in equivalent qualifications for university entrance examination, graduation should be at least 140 credits 【Required courses 99 credits (Include Common subjects 32credits、Basic subjects 67credits)、Elective Courses at least 41credits】.
3. For pass the course of Internship, according to the 【Special Points for Students' Outside Practice Course】 and 【Students outside the school practice points】.