

CURRICULUM



Total Credits: 130

Required Courses: 53
General Required Courses: 24
Required Elective Courses: 12
Elective Courses: 15
General Elective Courses: 26

Students must pass the **Chinese Proficiency Test** at the **CEFR Level B1 (TOCFL Level 3)** or above before graduation.

REQUIRED



53

Calculus 1~4, General Physics (a)(1~2), General Physics Lab. (I ~ II), General Chemistry (c), General Chemistry Lab., Computer Programming in Python, Electronic Circuits, Electronic Circuits Lab., Electronics (I), Electronics Lab., Electromagnetics, Solid State Electronics, Switching Circuit and Logic Design, Signals and Systems, Engineering Mathematics(1~2)/1~3, Semiconductor Lab.

GENERAL REQUIRED



24

College Chinese
Freshman English
Online English Program
Service Learning
Health Related Physical Fitness
Physical Activity and Exercise
Liberal Education Courses A1~A8

ELECTIVE



15

Physics ([Choose at least 2 courses](#))

- Solid State Physics
- Semiconductor Testing and Analysis
- Integrated circuit design

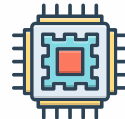
Data Analytics ([Choose at least 1 course](#))

- Data Analytics
- System Control
- Information Technologies

Research Training and Laboratory Practice

Research Training, Summer Laboratory Practice

REQUIRED ELECTIVE



12

Four fields,
[Choose at least 1 course in each field](#)

- Semiconductor Devices
- Semiconductor Processing
- Integrated Circuits Design
- Mechanics of Materials

GENERAL ELECTIVE



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