

# Fall 2017/Spring 2018 Undergraduate Programs of Science and Engineering

## 跨領域學程 Multidisciplinary Program

- 奈米科技學程(21)(Program of Nanotechnology )
- 智慧科技跨領域應用與實作學程(20)(Smart Technology  $\pi$ PBL Transdisciplinary Program)
- 鐵路電務學程(20)(Program of Railway Electrical Engineering)

## 應數系數學科學組/統計科學組(Department of Applied Mathematics)

- 資訊計算學程(21)(Program of Information Science & Mathematical Computation)
- 數學學程(21)(Program of Advanced Mathematics )
- 統計資料分析學程(21)(Program of Statistics & Data Analysis )
- 數學科學學程(27)(Program of Mathematical Science )

數學科學核心(一)(26)  
Core Program of Mathematics (I)  
數學科學核心(二)(21)  
Core Program of Mathematics (II)

統計科學組核心(一)(26)  
Core Program of Statistics Science(I)  
統計科學組核心(二)(21)  
Core Program of Statistics Science(II)

應數基礎學程(23)  
Fundamental Program of Applied Mathematics

## 電機系(Department of Electrical Engineering)

- 計算機與通訊學程(21)(Program of Computer and Communications)
- 微電子與控制學程(21)(Program of Microelectronics and Control)

電機核心 I(21)  
Core Program of Electrical Engineering (I)  
電機核心II(21)  
Core Program of Electrical Engineering (II)

電機基礎學程(22)  
Fundamental Program of Electrical Engineering

## 資工系資工組/國際組(Department of Computer Science and Information Engineering)

- 多媒體與智慧計算學程(21)(Program of Multimedia and Intelligent Computing )
- 網路與系統學程(21)(Program of Network and System )

資工核心 I(26)  
Core Program of Computer Science (I)  
資工核心II(23)  
Core Program of Computer Science (II)

電資基礎學程(23)  
Fundamental Program of Electrical Engineering and Computer Science

## 物理系物理組/奈米與光電科學組(Department of Physics)

- 生物與材料物理學程(21)(Program of Biophysics and Material Physics)
- 理論與計算物理學程(21)(Program of Theoretical and Computational Physics)
- 奈米與光電物理學程(21)(Program of Nano Science and Optoelectronics)

物理核心 I(22)  
Core Program of Physics (I)  
物理核心II(23)  
Core Program of Physics (II)

## 生科系(Department of Life Science)

- 細胞生技學程(21)(Program of Cell Biotechnology)
- 生物產業學程(21)(Program of Bioindustry)

生科核心 I(22)  
Core Program of Life Science (I)  
生科核心II(21)  
Core Program of Life Science (II)

## 化學系(Department of Chemistry)

- 合成化學學程(21)(Program of Synthetic Chemistry )
- 物化分析學程(21)(Program of Physical and Analytical Chemistry )

化學核心 I(24)  
Core Program of Chemistry (I)  
化學核心II(24)  
Core Program of Chemistry (II)

## 材料系(Department of Materials Science and Engineering)

- 先進材料學程(21)(Program of Advanced Materials)
- 太陽光電學程(21)(Solar Energy Program)
- 奈米科技學程(21)(Program of Nanotechnology )

材料核心 I(27)  
Core Program of Materials (I)  
材料核心II(21)  
Core Program of Materials (II)

## 光電系(Department of Opto-electronic Engineering))

- 太陽光電學程(21)(Solar Energy Program)
- 照明顯示與光電應用學程(21)(Light Display and Opto-Electronic Application Program)

光電核心(27)  
Core Program of Opto-Electronics

校核心課程 37 學分，語文 9 學分、資訊科技 2 學分、體育 4 學分、服務學習 2 學分、選修核心課程 20 學分  
The University Core Curriculum :  
Languages (9 credits total),  
Information Technology (2 credits total),  
Physical Education (4 credits total),  
Service Learning (2 credits total),  
and  
Elective Core Courses (20 credits total).

專業選修學程 (Elective Program)

核心學程(Core Program)

基礎學程 (Foundation Program)

校核心課程 (The University Core)