A6

2024 Academic Year Department of Chemistry
113學年度化學學系入學新生課程地圖

一年級 First Year

- 生物學導論 (選)3 Introduction to Biology
- 化學資訊與雲端 (選)3 Cheminformatics and The Cloud
- 普通化學 3*2 General Chemistry
- 材料科學 (選)3 Materials Science
- 微積分 3*2 Calculus
- 普通物理3 General Physics → 普物實驗1 General Physics Laboratory
- 分析化學(選)3 Analyticsl Chemistry
- 化學的應用(選) 2 Applications of Chemistry
- 普通化學實驗 1*2 General Chemistry Laboratory

二年級 Second Year

- 進階生物學 3 Advanced Biology
- 電腦在化學上的應用 (選) 3 Computer Applications In Chemistry
- 物理化學 3*2 Physical Chemistry
- 有機化學 3*2 Organic Chemistry
- 物理化學實驗 1*2 Physical Chemistry Laboratory
- 有機化學實驗 1*2 Organic Chemistry Laboratory

三年級 Third Year

- 無機化學 3*2 Inorganic Chemistry
- 生物化學 3*2 Biochemistry
- 生物學(選) 3 Biology
- 食品化學(選) 3 Food Chemistry
- 微生物學(選) 3 Microbiology
- 藥物化學(選) 3 Pharmacy Chemistry
- 分子生物學(選)3 Molecular Biology
- 群論在化學上的應用(選) 3 Chemical Application In Group Theory
- 有機合成(選) 3 Organic Synthesis
- 有機光譜(選) 3 Organic Spectroscopy
- 科技管理法規概論 (Elecitve)3 Introduction to the Law of Technology Management
- 分子光譜學(選) 3 Spectroscopy of Molecules
- 奈米材料(選) 3 Nano-Materials and Applications
- 材料化學 3*2 Materials Chemistry
- 光電材料(選) 3 Optoelectronic Materials
- 高分子化學(選) 3 Polymer Chemistry
- 產業先進科技實作1 Practical Implementation of Advanced Technologies in Industries
- 生化感測器(選) 3 Biosensors
- 專題研究(選) 1*2 Undergraduate Chemistry Research
- 儀器分析 3*2 Instrumental Analysis
- 儀器分析實驗 1*2 Instrumental Analysis Laboratory

四年級 Fourth Year

- 無機化學特論(選) 3 Special Topics in Inorganic Chemistry
- 生物化學特論(選) 3 Special Topics in Biochemistry
- 書報討論 1 Seminar in Chemistry
- 基因工程(選) 3 Genetic Engineering
- 綜合應用化學(選) 2 Comprehensive Applied Chemistry
- 生物啟發之催化反應與無機藥物(選) 2 Bioinspired Catalysts and Metal in Medicine
- 量子化學(選) 3 Quantum Chemistry
- 社區基礎科學服務教育 (選) 2 Community service-basic science education
- 物理化學特論(選) 3 Special Topics in Physical Chemistry
- 科技德文與德文科技(Elective)3 Technology German and German Technology
- 有機化學特論(選) 3 Special Topics in Organic Chemistry
- 有機反應機構(選) 3 Organic Reaction Mechanism
- 材料化學特論(選) 3 Special Topics in Materials Chemistry
- 高分子化學特論(選) 3 Special Topics in Polymer Chemistry
- 專題研究(選) 1*2 Undergraduate Chemistry Research
- 分析化學特論(選) 3 Special Topics in Analytical Chemistry
- 生物、 材料應用開發(選) 2 Applied Development In Biotechnology and Materials technology
- 生物、 材料技術業務(選) 2 Biotechnology and Materials Technology Business