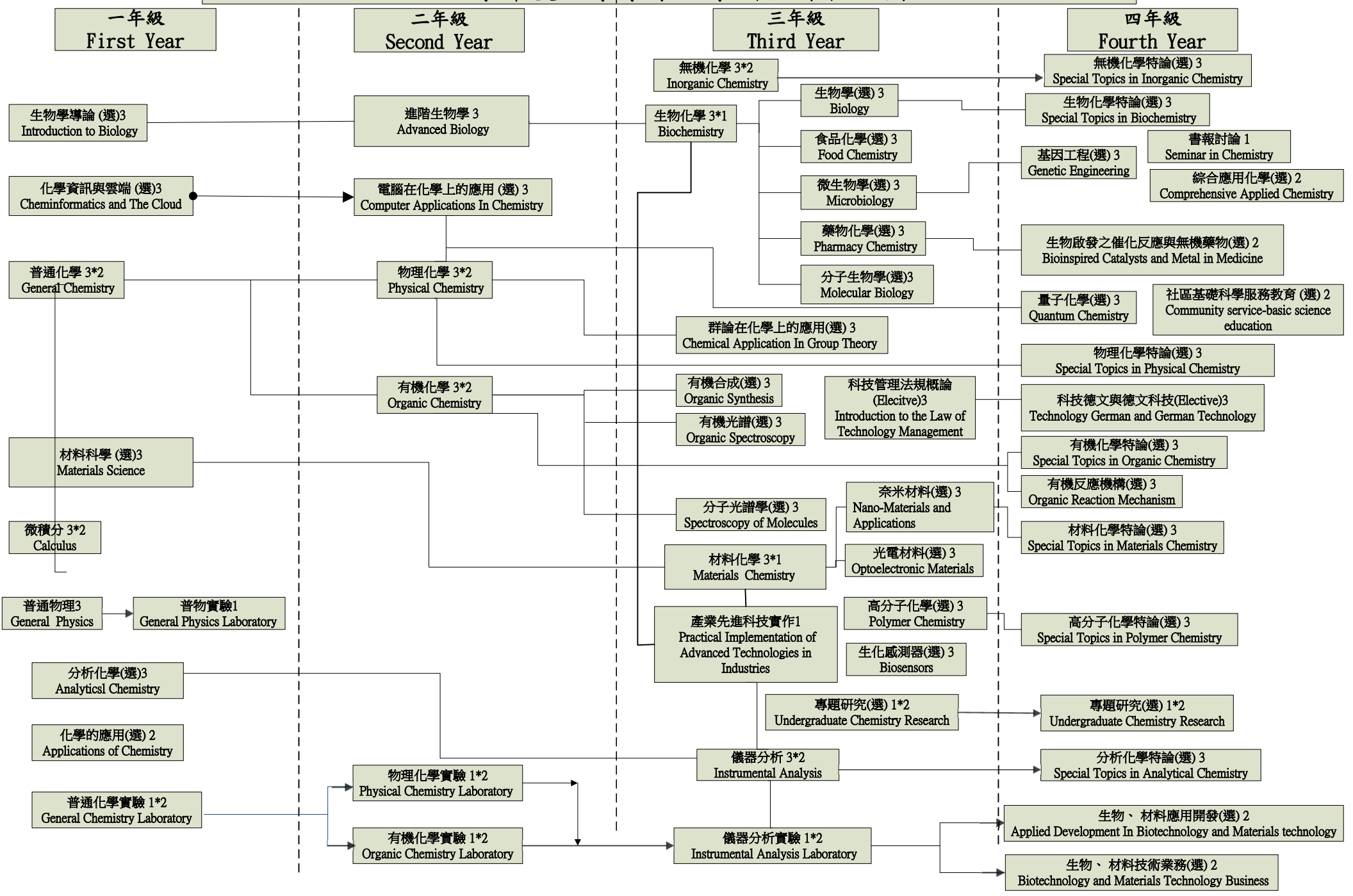


2024 Academic Year Department of Chemistry
113學年度化學學系入學新生課程地圖

A6



一年級
First Year

二年級
Second Year

三年級
Third Year

四年級
Fourth 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
Analytical Chemistry

化學的應用(選) 2
Applications of Chemistry

普通化學實驗 1*2
General Chemistry Laboratory

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

無機化學 3*2
Inorganic Chemistry

生物化學 3*1
Biochemistry

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

分子光譜學(選) 3
Spectroscopy of Molecules

材料化學 3*1
Materials Chemistry

產業先進科技實作1
Practical Implementation of
Advanced Technologies in
Industries

儀器分析 3*2
Instrumental Analysis

儀器分析實驗 1*2
Instrumental Analysis Laboratory

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

科技管理法規概論
(Elective)3
Introduction to the Law of
Technology Management

奈米材料(選) 3
Nano-Materials and
Applications

光電材料(選) 3
Optoelectronic Materials

高分子化學(選) 3
Polymer Chemistry

生化感測器(選) 3
Biosensors

專題研究(選) 1*2
Undergraduate Chemistry Research

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

基因工程(選) 3
Genetic Engineering

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

書報討論 1
Seminar in Chemistry

綜合應用化學(選) 2
Comprehensive Applied Chemistry