國立勤益科技大學 107 學年度 化工與材料工程系碩士班學分計畫表

National Chin-Yi University of Technology

Curriculum Planning of 2018 Master's Degree in Department of Chemical and Materials Engineering

106.3.16 系務會議通過

106.05.09 院課程委員會審議通過

106.05.23. 校課程委員會議及 106.6.15. 教務會議審議通過

106.09.28 系課程委員會議通過 106.10.19 系務會議通過 106.05.09 106.12.28 院課程委員會審議通過 106.12.19 校課程委員會議及 107.01.11 教務會議審議通過

107.05.01 系課程委員會議通過

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| | 專業選修科目 Department Electives Course 第一學年 First Year 核心選修-材料核心選修 Core Optional Courses for Polymer Characterization and Analysis Advanced Materials Science and Engineering Advanced Structure and Property of Materials Advanced Polymer Physics Advanced Organic Chemistry | #某選修科目 Department Electives Courses #一學年First Year 核心選修一材料核心選修 Core Optional Courses for Materials Polymer Characterization and Analysis 3 Advanced Materials Science and Engineering 3 Advanced Structure and Property of Materials Advanced Organic Chemistry 核心選修一化工核心選修 Core Optional Courses for Chemical Engineeri Advanced Fluid Mechanics Advanced Heat Transfer Advanced Heat Transfer Advanced Chemical Engineering Thermodynamics 3 Advanced Chemical Kinetics #月選修科目 General Elective Courses Nanomaterials and Chemical Technology 3 Advanced Electrochemistry 3 Electrochemical Techniques and Applications 3 Special Topics of Process Control 3 Special Topics of Display Science and Technology 3 Electroactive Polymers Special Topics of Composite Materials Special Topics of Composite Materials Special Topics of Biomaterials Physiochemical Treatment Design and Analysis of Experiments Fuel Cell Advanced Biochemistry Applications of Biotechnology ################################### | #集選修科目 Department Electives Courses # 一季年 First Year 核心選修一材料核心選修 Core Optional Courses for Materials | #東邊傳科目 Department Electives Courses #一季年First Year 核心選修一材料核心選修 Core Optional Courses for Materials Polymer Characterization and Analysis 3 3 3 Advanced Materials Science and Engineering 3 3 3 Advanced Structure and Property of Materials 3 3 Advanced Polymer Physics 3 3 Advanced Organic Chemistry 3 3 Advanced Fluid Mechanics 3 3 3 3 Advanced Fluid Mechanics 3 3 3 3 Advanced Chemical Engineering Thermodynamics 3 3 3 Advanced Chemical Engineering Thermodynamics 3 3 3 Advanced Mass Transfer 3 3 3 3 Advanced Heat Transfer 3 3 3 3 Advanced Chemical Kinetics 3 3 Advanced Electrochemistry 3 3 3 Electrochemical Technology 3 3 3 Electrochemical Techniques and Applications 3 3 Special Topics of Process Control 3 3 3 Special Topics of Display Science and Technology 3 3 Electrocactive Polymers 3 3 Special Topics of Optic-elect, and Nano Materials 3 Special Topics of Optic-elect, and Nano Materials 3 Special Topics of Somposite Materials 3 3 Special Topics of Somposite Materials 3 3 Special Topics of Biomaterials 3 3 Physiochemical Treatment 3 3 Design and Analysis of Experiments 3 3 Fuel Cell 3 3 Advanced Biochemistry 4 Applications of Biotechnology 3 Advanced Biochemistry |

備註 Note:

一、畢業至少應修滿34學分:必修10學分(含論文6學分、專題討論4學分),選修24學分(專業選修至少24

Before graduation, each student should complete at least 34 credits, including 10 required credits (Thesis 6 credits and Seminar 4 credits) and 24 elective credits (at least 24 credits should be completed in department elective courses).

- 二、學生於畢業前須修過「學術研究倫理教育課程」必修 0 學分(6 小時)課程。 Before graduation, each student should complete Academic Research Ethics Education Course, which is 6 hours required course with 0 credit.
- 三、學生修習碩士班開授全英文授課課程,可抵修核心選修課程。 Department Elective Courses can be exempted with All English Courses for graduate students.