

Chang Jung Christian University Bachelor's Degree Program in Fire Safety Science Curriculum List

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| obligatory / elective course | No. | course name(ch) | course name | grade | semester | credit | hours/week | | Remark |
|------------------------------|---------|-----------------|---|-------|----------|--------|-------------|----------|--------|
| | | | | | | | instruction | parctice | |
| common course-obligatory | MT00085 | 全民國防教育軍事訓練-國際情勢 | All-out Defence Education Military Training - International Situations | 1 | 1 | 0 | 2 | 0 | |
| | MT00086 | 全民國防教育軍事訓練-國防政策 | All-out Defence Education Military Training - National Defense Policies | 1 | 2 | 0 | 2 | 0 | |
| | PE00217 | 體育 I | Physical Education I | 1 | 1 | 0 | 2 | 0 | |
| | PE00218 | 體育 II | Physical Education II | 1 | 2 | 0 | 2 | 0 | |
| | PE00219 | 體育 III | Physical Education III | 2 | 1 | 0 | 2 | 0 | |
| | PE00220 | 體育 IV | Physical Education IV | 2 | 2 | 0 | 2 | 0 | |
| language course-obligatory | GE00561 | 國文 | Chinese | 1 | 2 | 2 | 2 | 0 | |
| | LE00297 | 英文 I | Freshman English I | 1 | 1 | 2 | 2 | 0 | |
| | LE00298 | 英文 II | Freshman English II | 1 | 2 | 2 | 2 | 0 | |
| | LE00299 | 外語初級 I | | 2 | 1 | 2 | 2 | 0 | |
| | LE00300 | 外語初級 II | | 2 | 2 | 2 | 2 | 0 | |
| general course-obligatory | FT00000 | 工程倫理 | Engineering Ethics | 1 | 1 | 1 | 1 | 0 | |
| | GE00206 | 音樂欣賞 | Music Appreciation | 1 | 2 | 2 | 2 | 0 | |
| | GE00537 | 服務學習 | Service-Learning | 3 | 2 | 1 | 1 | 2 | |
| | GE00562 | 長榮精神 | University and Holistic Pastoral Education | 1 | 1 | 2 | 2 | 0 | |
| | GE00567 | 通識課程 | | 0 | 1 | 8 | 2 | 0 | |
| | GE00656 | 體驗學習 | Experience Learning | 1 | 2 | 1 | 1 | 2 | |
| | GE00663 | 經典99 | Classics 99 | 0 | 1 | 2 | 2 | 0 | |
| dep. course-obligatory | FT00002 | 普通物理 | General Physics | 1 | 1 | 2 | 2 | 0 | |
| | FT00064 | 火災學 | Fire Dynamics | 1 | 1 | 2 | 2 | 0 | |
| | FT00003 | 電氣安全 | Electrical Safety | 1 | 1 | 2 | 2 | 0 | |
| | FT00001 | 普通化學 | General Chemistry | 1 | 1 | 2 | 2 | 0 | |
| | FT00066 | 微積分 | Calculus | 1 | 1 | 2 | 2 | 0 | |
| | FT00004 | 職業安全衛生法規 | Occupational Safety and Health Act | 1 | 2 | 2 | 2 | 0 | |
| | FT00005 | 工業安全概論 | Introduction to Industrial Safety | 1 | 2 | 2 | 2 | 0 | |
| | FT00008 | 消防法規 | Fire Safety Laws and Regulations | 1 | 2 | 2 | 2 | 0 | |
| | FT00006 | 工程圖學 | Engineering Graphics | 1 | 2 | 2 | 2 | 0 | |
| | FT00007 | 風險評估 | Risk Analysis | 1 | 2 | 2 | 2 | 0 | |
| | FT00009 | 警報系統 | Fire Alarm System | 2 | 1 | 2 | 2 | 0 | |
| | FT00010 | 水系統消防安全設備 | Water System Fire Safety Equipments | 2 | 1 | 2 | 2 | 0 | |
| | FT00011 | 危險物品管理 | Hazardous Materials Management | 2 | 1 | 2 | 2 | 0 | |
| | FT00012 | 避難系統 | Evacuation System | 2 | 2 | 2 | 2 | 0 | |

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| dep. course-obligatory | FT00013 | 工業通風 | Industrial Ventilation | 2 | 2 | 2 | 2 | 0 | |
| | FT00014 | 化學系統消防安全設備 | Chemical System Fire Safety Equipments | 2 | 2 | 2 | 2 | 0 | |
| | FT00015 | 火場模擬 | Fire Modeling | 2 | 2 | 2 | 2 | 0 | |
| | FT00016 | 爆炸防制 | Explosion Protection | 2 | 2 | 2 | 2 | 0 | |
| | FT00017 | 火災原因調查與鑑定 | Fire Investigations and Cause Analysis | 3 | 1 | 2 | 2 | 0 | |
| | FT00018 | 特搜及繩索救援技術 | Special Search and Rope Rescue Techniques | 3 | 1 | 2 | 2 | 0 | |
| | FT00019 | 職業災變與救護 | Industrial Emergency Response and First Aid | 3 | 2 | 2 | 2 | 0 | |
| | FT00020 | 消防設備檢修實務 | Inspection practice of fire protection system | 3 | 2 | 2 | 2 | 0 | |
| | FT00021 | 災害搶救與緊急應變 | Disaster Rescue and Emergency Response | 3 | 2 | 2 | 2 | 0 | |
| dep. course-elective | FT00022 | 科技英文 | Technical English | 1 | 1 | 2 | 2 | 0 | |
| | FT00023 | 計算機概論 | Introduction to Computer | 1 | 1 | 2 | 2 | 0 | |
| | FT00024 | 消防水力學 | Fire Hydraulics | 1 | 2 | 2 | 2 | 0 | |
| | FT00070 | 工業組織心理學 | Industrial and Organization Psychology | 1 | 2 | 2 | 2 | 0 | |
| | FT00025 | 作業環境測定 | Workplace Monitoring | 2 | 1 | 2 | 2 | 0 | |
| | FT00026 | 個人防護具 | Personal Protector | 2 | 1 | 2 | 2 | 0 | |
| | FT00027 | 噪音與振動 | Noise and Vibration | 2 | 1 | 2 | 2 | 0 | |
| | FT00029 | 工程數學 | Engineering Mathematics | 2 | 1 | 2 | 2 | 0 | |
| | FT00028 | 化學分析技術概論 | Chemical Analysis Technique | 2 | 1 | 2 | 2 | 0 | |
| | FT00067 | 消防物理 | Fire protection physics | 2 | 1 | 2 | 2 | 0 | |
| | FT00068 | 法學知識與公文寫作 | Jurisprudence and official document writing | 2 | 1 | 2 | 2 | 0 | |
| | FT00030 | 化學工程 | Chemical Engineering | 2 | 2 | 2 | 2 | 0 | |
| | FT00031 | 機械製造 | Machinery Manufacturing | 2 | 2 | 2 | 2 | 0 | |
| | FT00033 | 應用力學 | Applied Mechanics | 2 | 2 | 2 | 2 | 0 | |
| | FT00034 | 材料力學 | Mechanics of Materials | 2 | 2 | 2 | 2 | 0 | |
| | FT00069 | 消防化學 | Fire protection chemistry | 2 | 2 | 2 | 2 | 0 | |
| | FT00065 | 儀器分析(含實驗) | Instrumental Analysis (and Laboratory) | 3 | 1 | 2 | 2 | 0 | |
| | FT00037 | 環境工程概論 | Introduction to Environmental Engineering | 3 | 1 | 2 | 2 | 0 | |
| | FT00038 | 建築防火 | Building Fire Safety | 3 | 1 | 2 | 2 | 0 | |
| | FT00039 | 熱力學 | Thermodynamics | 3 | 1 | 2 | 2 | 0 | |
| | FT00040 | 自動控制 | Automatic Control | 3 | 1 | 2 | 2 | 0 | |

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| dep. course-elective | FT00042 | 書報討論 I | Professional Article Discussion I | 3 | 1 | 2 | 2 | 0 | |
| | FT00036 | 粉塵測定與控制 | Measurement and Control on Dust | 3 | 1 | 2 | 2 | 0 | |
| | FT00041 | 工業安全衛生管理實務 | Practical Management on Industrial Safety and Health | 3 | 1 | 2 | 2 | 0 | |
| | FT00032 | 實驗室安全與衛生 | Laboratory Safety and Hygiene | 3 | 1 | 2 | 2 | 0 | |
| | FT00049 | 書報討論 II | Professional Article Discussion II | 3 | 2 | 2 | 2 | 0 | |
| | FT00043 | 營建安全 | Construction Safety | 3 | 2 | 2 | 2 | 0 | |
| | FT00044 | 消防安全專題討論 | Fire Safety Seminar | 3 | 2 | 2 | 2 | 0 | |
| | FT00045 | 人際關係與溝通技巧 | Interpersonal relationships and communication skills | 3 | 2 | 2 | 2 | 0 | |
| | FT00046 | 實驗室認證作業程序 | The SOP of Laboratory Certification | 3 | 2 | 2 | 2 | 0 | |
| | FT00047 | 消防戰技與戰術 | Fire Fighting Tactics | 3 | 2 | 2 | 2 | 0 | |
| | FT00048 | 熱傳學 | Heat Transfer | 3 | 2 | 2 | 2 | 0 | |
| | FT00050 | 安全實驗 | Safety Laboratories | 3 | 2 | 2 | 0 | 4 | |
| | FT00051 | 安全工程 | Safety Engineering | 4 | 1 | 2 | 2 | 0 | |
| | FT00052 | 工業安全專題討論 | Industrial Safety Seminar | 4 | 1 | 2 | 2 | 0 | |
| | FT00053 | 火災鑑定專題討論 | Fire Investigation and Determination Seminar | 4 | 1 | 2 | 2 | 0 | |
| | FT00054 | 火災採證與證物處理 | Gathering and Analyzing Evidence | 4 | 1 | 2 | 2 | 0 | |
| | FT00055 | 災害防救 | Disaster Prevention and Rescue | 4 | 1 | 2 | 2 | 0 | |
| | FT00056 | 消防行政與管理 | Fire Administration and Management | 4 | 1 | 2 | 2 | 0 | |
| | FT00057 | 火災保險學 | Fire Insurance | 4 | 1 | 2 | 2 | 0 | |
| | FT00058 | 危機管理 | Crisis Management | 4 | 2 | 2 | 2 | 0 | |
| | FT00059 | 勞動檢查實務 | Practice in Workplace Inspection | 4 | 2 | 2 | 2 | 0 | |
| | FT00060 | 災後心理諮商 | Psychological Counseling after Disasters | 4 | 2 | 2 | 2 | 0 | |
| | FT00061 | 公共安全調查報告導讀 | Readings of Public Safety Investigation Report | 4 | 2 | 2 | 2 | 0 | |
| | FT00062 | 汽車學 | Automoblies | 4 | 2 | 2 | 2 | 0 | |
| | FT00063 | 管路工程 | Pipeline Engineering | 4 | 2 | 2 | 2 | 0 | |
| obligatory 73 elective course 55 credit sum 128 | | | | | | | | | |