

中信科技大學 四年制 電機工程系 進修部 課程規劃表(適用111學年度入學)  
 CTBC University of Science and Technology Curriculum of Electrical Engineering Department  
 for Four-Year Bachelor's Degree Program-Night Division (Effective from Fall 2022)

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| 科目名稱<br>Subject                                    |                                                                                                                                                                                                                | 第一學年<br>1st school year |             |                     |             | 第二學年<br>2nd school year |             |                     |             | 第三學年<br>3rd school year |             |                     |             | 第四學年<br>4th school year |             |                     |             |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-------------|---------------------|-------------|-------------------------|-------------|---------------------|-------------|-------------------------|-------------|---------------------|-------------|-------------------------|-------------|---------------------|-------------|
|                                                    |                                                                                                                                                                                                                | 上學期<br>1st semester     |             | 下學期<br>2nd semester |             | 上學期<br>1st semester     |             | 下學期<br>2nd semester |             | 上學期<br>1st semester     |             | 下學期<br>2nd semester |             | 上學期<br>1st semester     |             | 下學期<br>2nd semester |             |
|                                                    |                                                                                                                                                                                                                | 學分<br>Credits           | 時數<br>Hours | 學分<br>Credits       | 時數<br>Hours | 學分<br>Credits           | 時數<br>Hours | 學分<br>Credits       | 時數<br>Hours | 學分<br>Credits           | 時數<br>Hours | 學分<br>Credits       | 時數<br>Hours | 學分<br>Credits           | 時數<br>Hours | 學分<br>Credits       | 時數<br>Hours |
|                                                    |                                                                                                                                                                                                                |                         |             |                     |             |                         |             |                     |             |                         |             |                     |             |                         |             |                     |             |
| 系專業選修<br>課程<br>Professional<br>Elective<br>Courses | 進階電腦硬體裝修<br>Advanced Computers Hardware Maintenance                                                                                                                                                            |                         |             | 3/ 3                |             |                         |             |                     |             |                         |             |                     |             |                         |             |                     |             |
|                                                    | 程式設計<br>Programming Design                                                                                                                                                                                     |                         |             |                     |             | 3/ 3                    |             |                     |             |                         |             |                     |             |                         |             |                     |             |
|                                                    | 進階電腦軟體應用<br>Advanced Computers Software Applications                                                                                                                                                           |                         |             |                     |             | 3/ 3                    |             |                     |             |                         |             |                     |             |                         |             |                     |             |
|                                                    | 綠色能源轉換概論<br>Green Energy Conversion Introduction                                                                                                                                                               |                         |             |                     |             |                         |             | 3/ 3                |             |                         |             |                     |             |                         |             |                     |             |
|                                                    | 計算機結構<br>Computers Architecture                                                                                                                                                                                |                         |             |                     |             |                         |             | 3/ 3                |             |                         |             |                     |             |                         |             |                     |             |
|                                                    | 發變電工程<br>Generation and Substation Engineering                                                                                                                                                                 |                         |             |                     |             |                         |             |                     |             | 3/ 3                    |             |                     |             |                         |             |                     |             |
|                                                    | 工業配電實務<br>Industrial Distribution Practice                                                                                                                                                                     |                         |             |                     |             |                         |             |                     |             | 3/ 3                    |             |                     |             |                         |             |                     |             |
|                                                    | 電動機控制實務<br>Electronic Motor Control Practice                                                                                                                                                                   |                         |             |                     |             |                         |             |                     |             | 3/ 3                    |             |                     |             |                         |             |                     |             |
|                                                    | 電源轉換器電路模擬設計<br>Power Converter Circuit Simulation Design                                                                                                                                                       |                         |             |                     |             |                         |             |                     |             |                         |             | 3/ 3                |             |                         |             |                     |             |
|                                                    | 電力系統<br>Power System                                                                                                                                                                                           |                         |             |                     |             |                         |             |                     |             |                         |             | 3/ 3                |             |                         |             |                     |             |
|                                                    | 工業4.0概論<br>Industry 4.0 Introduction                                                                                                                                                                           |                         |             |                     |             |                         |             |                     |             |                         |             | 3/ 3                |             |                         |             |                     |             |
|                                                    | 電源轉換器製作實務<br>Implementation of Power Converter for Practical Application                                                                                                                                       |                         |             |                     |             |                         |             |                     |             |                         |             |                     |             | 3/ 3                    |             |                     |             |
|                                                    | 大數據分析<br>Big Data Analysis                                                                                                                                                                                     |                         |             |                     |             |                         |             |                     |             |                         |             |                     |             | 3/ 3                    |             |                     |             |
|                                                    | 交換式電源供應系統<br>Switching Power Supply System                                                                                                                                                                     |                         |             |                     |             |                         |             |                     |             |                         |             |                     |             | 3/ 3                    |             |                     |             |
|                                                    | 科技農業之應用<br>Application of Science and Technology in Agriculture                                                                                                                                                |                         |             |                     |             |                         |             |                     |             |                         |             |                     |             | 3/ 3                    |             |                     |             |
|                                                    | 物聯網應用<br>Internet Applications                                                                                                                                                                                 |                         |             |                     |             |                         |             |                     |             |                         |             |                     |             |                         |             | 3/ 3                |             |
|                                                    | 電機設備保護<br>Protection of Electrical Apparatus                                                                                                                                                                   |                         |             |                     |             |                         |             |                     |             |                         |             |                     |             |                         |             | 3/ 3                |             |
|                                                    | 消費性電子產品<br>Consumer Electronics                                                                                                                                                                                |                         |             |                     |             |                         |             |                     |             |                         |             |                     |             |                         |             | 3/ 3                |             |
|                                                    | 工程英文<br>Engineering English                                                                                                                                                                                    |                         |             |                     |             |                         |             |                     |             |                         |             |                     |             |                         |             | 3/ 3                |             |
|                                                    | 小 計Subtotal                                                                                                                                                                                                    | 3/ 3                    |             | 3/ 3                |             | 6/ 6                    |             | 6/ 6                |             | 9/ 9                    |             | 9/ 9                |             | 12/ 12                  |             | 12/ 12              |             |
| 擬開最低選修學分<br>Proposed Minimum<br>Elective Credits   | 合 計Total                                                                                                                                                                                                       | 3/ 3                    |             | 3/ 3                |             | 6/ 6                    |             | 6/ 6                |             | 9/ 9                    |             | 9/ 9                |             | 9/ 9                    |             | 9/ 9                |             |
|                                                    | 111年05月03日 校課程發展委員會會議通過Amended Date：2022-05-03<br>112年02月22日 校課程發展委員會會議修正通過Amended Date：2023-02-22<br>112年05月23日 校課程發展委員會會議修正通過Amended Date：2023-05-23<br>114年01月07日 校課程發展委員會會議修正通過更改校名Amended Date：2025-01-07 |                         |             |                     |             |                         |             |                     |             |                         |             |                     |             |                         |             |                     |             |

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| 科目名稱<br>Subject | 第一學年<br>1st school year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             |                     |             | 第二學年<br>2nd school year |             |                     |             | 第三學年<br>3rd school year |             |                     |             | 第四學年<br>4th school year |             |                     |             |
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|                 | 上學期<br>1st semester                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             | 下學期<br>2nd semester |             | 上學期<br>1st semester     |             | 下學期<br>2nd semester |             | 上學期<br>1st semester     |             | 下學期<br>2nd semester |             | 上學期<br>1st semester     |             | 下學期<br>2nd semester |             |
|                 | 學分<br>Credits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 時數<br>Hours | 學分<br>Credits       | 時數<br>Hours | 學分<br>Credits           | 時數<br>Hours | 學分<br>Credits       | 時數<br>Hours | 學分<br>Credits           | 時數<br>Hours | 學分<br>Credits       | 時數<br>Hours | 學分<br>Credits           | 時數<br>Hours | 學分<br>Credits       | 時數<br>Hours |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |             |                     |             |                         |             |                     |             |                         |             |                     |             |                         |             |                     |             |
| 備註<br>Note      | <p>一、畢業總學分至少128學分：<br/>The total number of credits completed to be eligible to graduate shall not be less than 128 credits.</p> <p>1.校訂必修30學分(含通識基礎必修30學分)。<br/>The stipulated compulsory credits shall be 30 credits.(30 credits for required general education courses)</p> <p>2.專業必修45學分(院必修12學分、系必修33學分)。<br/>The professional compulsory credits shall be 45 credits.(12 credits for required college courses, and 33 credits for required department courses.)</p> <p>3.系專業選修至少41學分。<br/>The professional elective credits shall be not less than 41 credits.</p> <p>4.一般選修至多12學分(開放學生自由選修本系或外系課程，其中「微學分課程」最多採計12學分)。<br/>The general elective credits shall be up to 12 credits.( Open for students to freely choose courses within their own or other departments, with a maximum of 12 credits for 'Micro-Credit Courses')</p> <p>二、畢業門檻：Graduation threshold</p> <p>1.學生於修業年限內，應修畢「校訂必修」、「專業必修」、「系專業選修(含一般選修)」共計128學分。<br/>Students are required to complete a total of 128 credits of " Stipulated Compulsory Course", "Professional Compulsory Course", and "Department Professional Elective Course (General Elective Course included)" within their academic years.</p> |             |                     |             |                         |             |                     |             |                         |             |                     |             |                         |             |                     |             |