# 電控工程研究所碩士班

## 106 學年度

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| 最低修業年限 | 一年 |
| 應修學分數 | 24 學分(不含論文研討及學位論文研究學分) |
| 應修（應選）課程及<br>符合畢業資格之修課<br>相關規定 | 1.核心課程：<br>　線性系統理論、數位訊號處理、影像處理、嵌入式作業系統<br>2.畢業學分除上列核心課程 6 學分外，須另外修本所課程至少 9 學分，共計修本所<br>　課程至少 15 學分。<br>3.碩一至碩二每學期必修論文研討及學位論文研究。 |

# Master Degree of Institute of Electrical Control Engineering

## Academic Year 106

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| Minimum length of schooling | 1 year |
| Required credits | 24 credits (Does not include Seminar and Academic Dissertation Research courses) |
| Course requirements and graduation relevant provisions | 1. Core Curriculum：<br>　Linear Systems Theory、Digital Signal Processing、Image Processing、Embedded Operating System.<br>2. 15 credits must consist of 6 credits in Core Curriculum and the other courses offered<br>　by ICE Department.<br>3. Seminar and Academic Dissertation Research courses are required in each semester<br>　of first and second year. |

# 電控工程研究所博士班

## 106 學年度

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| 最低修業年限 | 二年 |
| 逕博應修學分數 | 24 學分(不含論文研討及學位論文研究學分) |
| 直升博士生<br>應修學分數 | 36 學分 |
| 應修（應選）課程及<br>符合畢業資格之修課<br>相關規定 | 1.核心課程：線性系統理論、數位訊號處理、電力電子、感測與智慧系統、超大型<br>積體電路系統設計、類比積體電路設計、影像處理。<br>2.畢業學分包含上列核心課程 6 學分外，須另修本所開設課程至少 6 學分。<br>3.博一至博三每學期必修論文研討 1 學分(共 6 學分)。<br>4.畢業前必須選修學位論文研究 6 學期(共 6 學分)且選修通過。 |

# PhD Degree of Institute of Electrical Control Engineering

## Academic Year 106

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| Minimum length of schooling | 2 year |
| Required credits | 24 credits (Does not include Seminar and Academic Dissertation Research courses) |
| Required credits of concurrent degree program – master and PhD | 36 credits |
| Course Requirements and Graduation relevant provisions | 1.Core curriculum：Linear System Theory, Digital Signal Processing, Power<br>　Electronics, Sensing and Intelligent Systems, VLSI System Design and Applications,<br>　Analog IC Design, Image Processing.<br>2.In addition to the core curriculums (6 credits) above, the graduation credits contain at<br>　least the other 6 credits from the curriculums in our institute.<br>3.In the first three years of PhD, student must earn 1 credit from the colloquium every<br>　semester (6 credits in total)<br>4.Before graduating, student must take the course of Academic Dissertation Research in<br>　six semesters and pass it (6 credits in total) |