

「半導體」國際學分學程選修辦法(76)

114.04.14 電機工程學系課程委員會通過

114.05.15 院課程委員會通過

114.06.18 教務會議通過

114.08.19 電機工程學系課程委員會修正通過

114.10.08 教務會議修正通過

- 一、「半導體」為台灣高科技產業最重要的領域之一，亦是學術界重要的研究方向之一。
- 二、本學分學程整合資訊電機學院「半導體」相關課程，設立「半導體」國際學分學程，以培育「半導體」領域之專業人才，本校學生均可選修讀本學程。
- 三、本校學生依本辦法規定，修得 18 學分(含)以上者，即視為修畢本學分學程，其成績單將加註「修畢半導體國際學分學程」，並頒發學分學程證明書。
- 四、本學分學程之課程規定如下：

類別	課程名稱	課號	學分數	修課規定
基礎課程	電路學 I	EE2002	3	至少選修二門
	電磁學 II	EE2015	3	
	固態電子元件	EE3034	3	
	數位訊號處理架構設計	EE5011	3	
進階課程	電路學 II	EE2011	3	至少選修四門
	光電元件	EE6020	3	
	化合物半導體	EE7039	3	
	次微米元件物理技術	EE8006	3	
	奈米電子學	EE8020	3	
	數值電磁學	EE8028	3	

- 五、本辦法經學程設置單位及院課程委員會議審議通過，再提送校課程委員會及教務會議通過後實施，修正時亦同。

International Semiconductor Credit Program Regulations

114.08.19 電機工程學系課程委員會通過

114.09.04 院課程委員會通過

114.10.08 教務會議通過

1.Semiconductors are one of the most important sectors in Taiwan's high-tech industry, and also a key research area in academia.

2.This program integrates semiconductor-related courses offered by the College of Electrical Engineering and Computer Science, establishing the International Semiconductor Credit Program to cultivate professional talent in the semiconductor field. All students of the university are eligible to enroll in this program.

3.Students who complete 18 or more credits as specified in these regulations will be considered as having completed the International Program of Study in Semiconductors. A notation of program completion will be added to their transcript, and a certificate of program completion will be issued.

4. Program Structure and Course Requirements are as follows.

Category	Course Name	Course Code.	Credits	Notes
Fundamental Courses	Electrical Circuits I	EE2002	3	Select at least two courses
	Electromagnetics II	EE2015	3	
	Solid State Electronic Devices	EE3034	3	
	DSP VLSI Architecture Design	EE5011	3	
Advanced Courses	Electrical Circuits II	EE2011	3	Select at least four courses
	Optoelectronic Devices	EE6020	3	
	Compound Semiconductors	EE7039	3	
	Submicron Device Physics and Technology	EE8006	3	
	Nano Electronics	EE8020	3	
	Computational Electromagnetics	EE8028	3	

5.These regulations shall be implemented upon approval by the Program Committee and the College Curriculum Committee, followed by ratification by the University Curriculum Committee and the Academic Affairs Meeting. Any future amendments shall follow the same procedure.