

日間部四技

半導體工程與材料系必修課程異動表

115入學年度科目 (異動後)	開課年級/學期	學分/時數	異動類別 (新增、停開、更改課程名稱、學分)
體育	2/2	2/2	<input checked="" type="checkbox"/> 新增 <input type="checkbox"/> 更改學分數為____學分 <input type="checkbox"/> 停開，補修課程_____ <input type="checkbox"/> 更改課程名稱，原課程名稱_____ <input type="checkbox"/> 其他，說明_____
工程倫理	3/1	2/2	<input checked="" type="checkbox"/> 新增 <input type="checkbox"/> 更改學分數為____學分 <input type="checkbox"/> 停開，補修課程_____ <input type="checkbox"/> 更改課程名稱，原課程名稱_____ <input type="checkbox"/> 其他，說明_____
半導體產業與前瞻技術	3/2	2/2	<input checked="" type="checkbox"/> 新增 <input type="checkbox"/> 更改學分數為____學分 <input type="checkbox"/> 停開，補修課程_____ <input type="checkbox"/> 更改課程名稱，原課程名稱_____ <input type="checkbox"/> 其他，說明_____
			<input type="checkbox"/> 新增 <input type="checkbox"/> 更改學分數為____學分 <input type="checkbox"/> 停開，補修課程_____ <input type="checkbox"/> 更改課程名稱，原課程名稱_____ <input type="checkbox"/> 其他，說明_____
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			<input type="checkbox"/> 新增 <input type="checkbox"/> 更改學分數為____學分 <input type="checkbox"/> 停開，補修課程_____ <input type="checkbox"/> 更改課程名稱，原課程名稱_____ <input type="checkbox"/> 其他，說明_____

系課務委員簽章：



系主任簽章：



院長簽章：



MUST Curriculum Planning for Undergraduate Students of Academic Year 2025-2029,
Department of Semiconductor Engineering and Materials

1st year(115)					2nd year(116)					3rd year(117)									
	Course	1st semester		2nd semester			Course	1st semester		2nd semester			Course	1st semester		2nd semester			
		Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.			Cr.	hr.	Cr.	hr.		
MUST Core Required Courses	Classified general Education	2	2	2	2	MUST Core Required Courses	Classified general Education	2	2	2	2	MUST Core Required Courses	Classified general Education	2	2	2	2		
	Applied English(I)(II)	2	2	2	2		Applied English(III)(IV)	2	2	2	2		Applied English(III)(IV)	2	2	2	2		
	Applied Chinese(I)(II)	2	2	2	2		Physical Education			2	2								
	Physical Education	2	2	2	2														
	Subtotal	8	8	8	8		Subtotal	4	4	6	6		Subtotal	2	2	2	2		
School Professional Required Courses	Introduction to Computers	2	2			School Professional Required Courses						School Professional Required Courses	Ethics for Engineers	2	2				
	Physical Chemistry and Laboratory	2	2											Semiconductor Industry and Advanced Technologies			2	2	
	Chemistry and Laboratory	2	2																
	Calculus(I)(II)	3	3	3	3														
	Introduction to Artificial Intelligence			2	2														
	Subtotal	9	9	5	5		Subtotal	0	0	0	0		Subtotal	0	0	0	0		
Compulsory Courses	Introduction to Material science(I)(II)	2	2	2	2	Compulsory Courses	Metals and inorganic materials	3	3			Compulsory Courses	Special Topics Practice	1	1	1	1		
	Analytical Chemistry and Experiment			2	2		Electronic Materials	3	3				Materials Thermodynamics	3	3				
	Physical Chemistry and Experiments			3	3		Organic Chemistry and Laboratory	3	3				Material Engineering Laboratory	3	3				
							Physical Chemistry and Laboratory	3	3				Semiconductor Process Technology	3	3				
							Vacuum Technology Experiments			3	3		High-Tech Manufacturing	3	3				
							Fundamentals of Instrumental Analysis and			3	3		Physical Properties of Materials			3	3		
							Physical Metallurgy			3	3		Material analysis and Laboratory			3	3		
													semiconductor process experiment			3	3		
													Industrial Safety and Hygiene			3	3		
		Subtotal	2	2	5		5		Subtotal	12	12		9	9		Subtotal	13	13	13
Elective Courses	Introduction to semiconductor materials industry	2	2			Elective Courses	Engineering Mathematics	2	2			Elective Courses	Chemical Engineering Practics	3	3				
	Chemical Process Safety Design			2	2		Introduction of Green Materials	2	2				Introduction to Solar Cell Materials	3	3				
							Creative Wisdom Materials	2	2				Nanotechnology and Materials	3	3				
							Vacuum Technology			2	2		Introduction to Flat Panel Display			3	3		
							Inorganic Chemistry			2	2		Mechanical Properties of Materials			3	3		
							Polymeric Materials			2	2		Electrochemical			3	3		

4th year(118)					
	Course	1st semester		2nd semester	
		Cr.	hr.	Cr.	hr.
MUST Core Required Courses					
	Subtotal	0	0	0	0
School Professional Required Courses					
	Subtotal	0	0	0	0
Compulsory Courses					
	Subtotal	0	0	0	0
Elective Courses	Off-Campus Practice Training(I)(II)	9	9	9	9
	Organic electronics	3	3		
	Spectroscopic Analysis	3	3		
	Composite materials	3	3		
	Factory management	3	3		
	semiconductor package	3	3		
	Hydrogen energy and fuel cells			3	3
	Manufacturing Color Filter Processing Technology			3	3
	Extraction practices of specialty coffee			3	3
	Introduction to Modern Physics			3	3

Cr./hr.=Credit/hour

Remarks:

1. Minimum graduation credits: 128 credits; Compulsory credits: 99 credits. Elective credits: 29 credits (elective credits include inter-departmental elective credits); the elective credits for majors in the department must not be lower than 17 credits.
2. In the first three years, students must take 16-30 credits per semester, and 9-30 credits per semester in the 4th year.
3. Elective courses are subject to change if necessary.
4. Please implement according to the school's "Implementation Measures for Students' Basic Abilities and Graduation Thresholds".
5. Students should take off-campus internship courses, and the relevant measures are handled in accordance with the Implementation of Off-campus Internship Teaching for Students in the Department of Semiconductor Engineering and Materials".
6. Students having graduated from a foreign country, including Hong Kong and Macau, with the equivalent of the second year of high school study of the ROC's high school sophomore level, or with a high school equivalent degree, need to take 140 credits. The program can be extended up to 3 academic years.
7. This form created in 20260318.

半導體工程與材料系 系主任 龍明有

半導體學院 院長 陳啟文

