MUST Course Selection Guideline for International Cooperating Class for Academia and Industry
Department of Electro-Optical Engineering

Year I (2020)

	Course title	1st semest Cr.	1st semest hr.	2nd semest Cr.	2nd semest hr.
C	◎Physical Education	2	2	2	2
	◎English(I)(II)	2	2	2	2
	☆Chinese Pinyin Pronunciation Practice	1	2		
	☆Chinese Listening Practice	1	2		
	☆Chinese Conversation Practice	1	2		
	☆Chinese Reading and Comprehension	1	2		
	☆Chinese Writing Practice	1	2		
	☆Chinese Literature and Culture (I)(II)	3	3	3	3
	◎Practice of Innovative and Creative			2	2
	◎Ethics for Engineers			1	1
	△Physics	3	3		
	△Applied Mathematics	2	2		
	※Basic Circuit Theory	2	2		
	△Computer Data Processing			2	3
	※Introduction to Optoelectric Industry			2	2
	※Electronics Circuits			3	3
	※Electronics Lab(I)			3	3
	※Geometrical Optics			3	3
	Summation	19	24	23	24
E	Computer Aided Design Model and Engineering Drawings			2	2
	Vacuum Technology			2	2
	Material Science and Engineering			2	2
	Introduction to Bio-Medical Engineering			2	2
	Engineering Applied Mathematics			2	2

Year II (2021)

	Course title	1st semest Cr.	1st semest hr.	2nd semest Cr.	2nd semest hr.
C	※Lab of Property Practice(I)	9	9		
	※Lab of Property Practice(II)			9	9
	Summation	9	9	9	9
E	Optoelectronics Technology (I)	2	2		
	Optoelectronics Technology (II)			2	2

Year III (2022)

	Course title	1st semeste Cr.	1st semeste hr.	2nd semeste Cr.	2nd semeste hr.
C	◎Technical English(I)(II)	2	2	2	2
	☆Taiwanese Culture	2	2		
	☆Taiwanese Art	2	2		
	☆Taiwan Life and Law			2	2
	☆Taiwanese Society			2	2
	※Introduction to Modern Science	3	3		
	※Optoelectronic Material and Device Physics	3	3		
	※Electronics Lab(II)	2	3		
	※Optoelectric Lab	3	3		
	※Laser Engineering			3	3
	Summation	17	18	9	9
E	Solid State Lighting	3	3		
	Certification of Solid Design CAD and Product Design	3	3		
	Optical Thin Film and Coating Technology	3	3		
	Flat Panel Displa	3	3		
	Technology Management	3	3		
	Photonics applications	3	3		
	Computer-Aided Optical System Design			3	3
	Chromatics			3	3
	Optoelectronic Device and Application			3	3
	Solar Photovoltaic Technology			3	3
	Computer-Assisted Design of Optical Thin Films			3	3
	Optoelectronic Semiconductor Manufacturing Technology			3	3
	Digital Logic Design			3	3
	Python Application			3	3

Year IV (2023)

	Course title	1st Cr.	1st hr.	2nd Cr.	2nd hr.
C					
	Summation	0	0	0	0
E	Lab of Property Practice(III)	9	9		
	Project of Optoelectronics	3	3		
	Taguchi Methods and Application	3	3		
	Optoelectronic Detection Engineering	3	3		
	Chromatics	3	3		
	Lab of Property Practice(IV)			9	9
	Project of Optoelectronics			3	3
	Creative Design in Optoelectronics			3	3
	Nano Bio-Photonics			3	3
	Technology of Organic Light-Emitting Diode Display			3	3

Item	Cr.	hr.
☆Int. Coop. Class Common Courses	19	24
◎General Education Courses	15	15
△Basic Professional Courses (Required by School)	7	8
※Required Professional Courses	45	46
Elective Courses	42	41
Total	128	134

Remarks:

1. Minimum credits required for graduation: 128 credits including 86 compulsory credits, and at least 42 elective credits (including the interdepartmental elective credits).

2. Undergraduate students shall take 5-hour chinese tutoring courses (0 credits) in the first semester of the first academic year.

3. Inter-departmental elective credits are transferable. Professional elective course credits shall not be fewer than 35.

4. Off-campus practice courses: Lab of Property Practice(I)(II)(III)(IV), 1 credit requires no more than 80 hours .

5. The elective courses listed in the tables are subejct to adaptation when necessary.