

Year of Admission : 113

Degree Program : D-Doctoral Degree

Department/Graduate

Institute Degree Program : D45 -International Ph.D. Program in Biomedical Engineering

Program :

※ According to the regulation offered by Ministry of Education, credits from distance learning shall not exceed half of total graduation credits.

※ [Detailed information on digital self-learning courses, please refer to the FAQ page.](#)

List of Courses and Credits (old version) : [Link](#)

ENRA121_List of Courses and Credits

List of Courses for International Ph.D. Program in Biomedical Engineering in TMU (Applicable to Newly -Admitted Students from 113 Academic Year)

Category	Course title	Credits	Required/Elective	Full /Half Year	Grade Level 1		Grade Level 2		Grade Level 3		Grade Level 4		Grade Level 5		Grade Level 6		Grade Level 7		Minor	Double Major	Language	Distance Education	Remarks
					Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring					
Core Courses for Postgraduate (Required)	Research ethics	0	R	H	0	0															English	✓	Required to complete Research ethics course once before graduation.
Core Courses for Postgraduate (Required) Subtotal credits		0			0	0	0	0	0	0	0	0	0	0	0	0	0	0					
Core Courses for Postgraduate Students in College (Required)	Seminar	1	R	H	1																	English	
	Seminar	1	R	H		1																English	
	Seminar	1	R	H			1															English	
	Seminar	1	R	H				1														English	
Core Courses for Postgraduate Students in College (Required) Subtotal credits		4			1	1	1	1	0	0	0	0	0	0	0	0	0	0					
Core Courses for PhD Students in College (Required)	Special topics in Moon -Shan academia - industry forum	1	R	H	1																	English	
	Advanced thesis writing	2	R	H		2																English	
	Special topics in Moon -Shan academia - industry forum	1	R	H		1																English	
Core Courses for PhD Students in College (Required) Subtotal credits		4			1	3	0	0	0	0	0	0	0	0	0	0	0	0					
Required Courses	Tissue engineering for clinical applications	2	R	H	2																	English	
	Nanotechnology and nanomaterials applications in medicine	2	R	H	2																	English	
	Biomedical electronic devices & systems	2	R	H		2																English	
Required Courses Subtotal credits		6			4	2	0	0	0	0	0	0	0	0	0	0	0	0					
Dissertation	Dissertation	12	R	H			12	12														English	
	Dissertation Subtotal credits		12			0	0	12	12	0	0	0	0	0	0	0	0	0	0				
Core Courses for PhD Students in College (Elective)	Bioprocessing	2	E	H		2																English	
	Nanocarriers for drug delivery	2	E	H		2																English	
	Advanced biomedical engineering	2	E	H		2																English	
	Biomedical engineering for molecular diagnostics and therapeutics	2	E	H		2																English	
	Cell therapy & medical applications	2	E	H		2																English	
Core Courses for PhD Students in College (Elective) Subtotal credits		10			0	10	0	0	0	0	0	0	0	0	0	0	0	0					
Credits Required		Required core courses : 8 credits Featured courses(required) : 6 credits Type : Dissertation credits : 12 credits										Elective Credits Required					Elective core courses : 4 credits						
Total Credits Required for Graduation		30 credits										Maximum credits can be waived					9 credits						
Notes for Graduating Requirement																							
Approved by Academic Affairs Meeting on (time, date)		113/05/17																					