

Year of Admission : 111 Degree Program : D-Doctoral Degree Department/Graduate Institute/Degree Program : D252 -Ph.D. Program in Graduate Institute of Biomedical Materials and Tissue Engineering

※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 Ph.D. Program in Graduate Institute of Biomedical Materials and Tissue Engineering in TMU (Applicable to Newly -Admitted Students from 111 Academic Year)

Category	Course title	Credits	Required/Elective	Full	Grade	Grade	Grade	Grade	Grade	Grade	Grade	Grade	Minor	Double Major	Language	Distance Education	Remarks
				Half Year	Level 1 Fall	Level 2 Spring	Level 3 Fall	Level 4 Spring	Level 5 Fall	Level 6 Spring	Level 7 Fall						
Core Courses for Postgraduate (Required)	Research ethics	0	R	H	0	0									Chinese	✓	Required to complete Research ethics course once before graduation.
	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			
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			
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			
Required Courses	Advanced biomedical materials	2	R	H	2										English		
	Special topics in drug delivery system	2	R	H	2										English		
	Advanced tissue engineering	2	R	H	2										English		
Required Courses Subtotal credits		6			4	2	0	0	0	0	0	0	0	0			
Dissertation	Dissertation	12	R	H		12	12								Chinese		
Dissertation Subtotal credits		12			0	0	12	12	0	0	0	0	0	0			
Required Courses	Advanced mechanics of biomaterials	2	E	H	2										English		
	Biological interactions	2	E	H	2										English		

Core Courses for PhD Students in College (Elective)	on materials surfaces																		English
	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

Core Courses for PhD Students in College (Elective) Subtotal credits	12			0	12	0	0	0	0	0	0	0	0	0	0	0		
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Credits Required	Required core courses : 8 credits	Elective Credits Required	Elective core courses : 4 credits
	Featured courses(required) : 6 credits		Can waived : Any courses at the same degree in TMU credits : 4credits
Total Credits Required for Graduation	Type : Dissertation credits : 12 credits	Maximum credits can be waived	9 credits
	30 credits		
Notes for Graduating Requirement			
Approved by Academic Affairs Meeting on (time, date)	11/12/06		