

Year of Admission : 111 Degree Program : M-Master's Degree Department/Graduate Institute/Degree Program : M252 -Master Program in Graduate Institute of Biomedical Materials and

※ 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 Master 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 /Half Year	Grade Level 1 Fall Spring	Grade Level 2 Fall Spring	Grade Level 3 Fall Spring	Grade Level 4 Fall Spring	Minor	Double Major	Language	Distance Education	Remarks
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			
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			
Core Courses for Master Students in College (Required)	Advanced topics in materials & sensing analysis	2	R	H	2						English	✓	
	Moon -Shan academia - industry forum	1	R	H	1						English		
	Clinical translational research	2	R	H		2					English		
	Advanced topics in advanced biomedical engineering	2	R	H		2					English		
	Thesis writing	2	R	H		2					English		
Core Courses for Master Students in College (Required) Subtotal credits		10			3	7	0	0	0	0			
Required Courses	Biomedicalmaterials	2	R	H	2						English		
	Disease models in a dish: combining stem cells, materials & tissue engineering	2	R	H	2						English		
	Seminar in tissue regeneration	2	R	H		2					English		
Required Courses Subtotal credits		6			4	2	0	0	0	0			
Thesis	Thesis	6	R	H			6	6			Chinese		
Thesis Subtotal credits		6			0	0	6	6	0	0			
Core Courses for Master Students in College (Elective)	Processing & characterization of biomedical materials	2	E	H	2						English		
	Cancer biology from tissue engineering in perspective	2	E	H	2						English		
	Structural characterization of nanomaterials	2	E	H	2						English		
	Advanced topics in surface engineering of biomaterials	2	E	H		2					English		
	Micro & manotechnology for biomaterials & biosensings	2	E	H		2					English		
Core Courses for Master Students in College (Elective) Subtotal credits		12			6	6	0	0	0	0			
Credits Required		Required core courses : 14 credits Featured courses(required) : 6 credits				Elective Credits Required				Elective core courses : 4 credits Can waived : Any postgraduate courses in			

Type Thesis credits : 6 credits

TMU credits : 4credits

Total Credits Required for Graduation 30 credits

Maximum credits can be waived 12 credits

Notes for Graduating Requirement

Approved by Academic Affairs Meeting on (time, date) 110/05/19