Course						1 ct				and			Ī	ard			Ī	4 th	3.02		
Course																	4 th year				
Communication Communicatio		Course	Credi	Hrs	Fa	11	Spr	ring	Fa	all	Spr	ring	Fa	all	Spr	ring	Fa	all	Spring		Note
1			ts		class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	
Literature: Appreciation and Creative Writing II Oil 24 Chinese Literature: Appreciation and Creative Writing II Oil 24 Chinese Literature: Appreciation and Creative Writing II Oil 108 Practical English I Oil 20 Display Di					Class	140	-1433	1410	• Tabb	1410	• Tabb	1410	• Tabb	1410	· ·	1410	• Tabb	1410	• Telos	140	
Appreciation and Creative Writing Creative Wr																					
Creative Writing I			2	2	2																
October Continues Contin																					
Literature: Appreciation and Creative Writing II																					
Appreciation and Creative Writing IT			2	2			2														1
Description				_			_														
Figure F																					
October Description Color Protectical English III			0	2	1	1															
English III			0	2			1	1													
English III							1	1													
Oracle Co Figure Figure Co Co Co Co Co Co Co C			0	2					1	1											
English IV			_	_																	
Proceedings Processionals Processionals	Co	English IV	0	2							1	1									
Re Re Communication T T T T T T T T T	Co																				Graduation
No. No.	re		2	3									2	1							
Qui Communication II	Re																				1
Ted	qui		2	3											2	1					
Co English for Professionals I	red																				
Professionals I				2														1			
Section Continue	Co	C	2	3													2	1			
Professionals II 36134 Applied Information Technology : Office Software 13285 Programming Design Design	urs																				
36134 Applied Information Technology : Office Software 13285 Programming Design 2 3 2 1	es	English for	2	3															2	1	
Information Technology : Office Software 13285 Programming Design 2 3 2 1																					
Technology : Office																					
Software 13285 Programming 2 3 2 1			2	3	2	1															
13285 Programming		Software																			_
General Education			2	3			2	1													1
General Education 12 12		Design																			Graduation
Control Cont		General Education	12	12																	
00222.00321.00322																					_
Note																					Graduation
I-XI			0	12	2		2		2		2		2		2						
Subtotal 28 54 7 2 7 2 3 1 3 1 4 1 4 1 2 1 2 1 Professor 35109 Calculus I 3 4 3 1 3 1 3 1 3 1 3																					1
fes 67128 Physics 3 3 3 3			28	54	7	2	7	2	3	1	3	1	4	1	4	1	2	1	2	1	
fes 67128 Physics 3 3 3 3	Due	35109 Calculus I	3	4	3	1															
1 1 2																					
1		•				2															
Re 67127 Introduction to Medical Materials 1 1 1 1		=				_															
Medical Materials 1 1 1 1			3	3	3																
		M. P 1 M 1.	1	1	1																
qui Industry	qui																				

					1 st	year			2 nd	year			3 rd	year			4 th	year	21.03	,.02
	C	Credi	Hrs	Fall		Spr	ing	Fa	all	Spr	ring	Fa	all	Spi	ring	Fall		ll Spr		Note
	Course	ts	HIS	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	Note
red	35110 Calculus II	3	4			3	1													
Co	67122 Electronic Circuits	3	3			3														
urs es	67116 General Biology Lab	1	3			1	2													
	67123 Organic Chemistry	3	3			3														
	67126 Introduction to Biomedical Engineering	1	3			3														
	67228 Engineering Mathematics I	3	3					3												
	67243 Electronics I	3	3					3												
	67217 Electronic Circuits Lab I	1	3					1	2											Service Learning
	67214 Anatomy and Physiology I	3	3					3												
	67225 Anatomy and Physiology Lab I	1	3					1	2											
	67226 Biochemistry	3	3					3												
	67245 Programming Design I	2	3					2	1											Computer Courses.
	67229 Engineering Mathematics II	3	3							3										
	67244 Electronics II	3	3							3										
	67220 Electronic Circuits Lab II	1	3							1	2									Service Learning
	67223 Signals and Systems	3	3							3										
	67221 Anatomy and Physiology II	3	3							3										
	67227 Anatomy and Physiology Lab II	1	3							1	2									
	67246 Programming Design II	2	3							2	1									Computer Courses.
	67323 Biomedical Engineering Lab I	1	3									1	2							
	67325 Biostatistics	3	3									3								
	67324 Biomedical Engineering Lab II	1	3											1	2					
	67326 Technical Article Reading and Presentation	1	3											3						
	67417 Biomedical Engineering Ethics	1	1															1		
	Subtotal	61	85	11	3	13	3	16	5	16	5	4	2	4	2	0	0	1	0	
Pro	Me 67253 Database Management	2	3							2	1									Computer Courses.

Ming Chuan University Biomedical Engineering Department students entered on August 2021 Course Outline for all

						1 st ,	year			and ,	year			3rd .	year			4 th	3.02		
			C 1'				1	•			1										1
		Course	Credi	Hrs	Fa	lll	Spi	ring	Fa	all	Spr	ring	Fa	all	Spi	ring	Fa	all	Spr	ring	Note
			ts		class	lab	class	lah	class	lah	class	lab	class	lah	class	lah	class	lab	class	lab	
					Class	Iuo	Class	Iuo	Class	iuo	Class	Iuo	Class	luo	Class	luo	Class	iuo	Class	luo	
fes	dic	67255 Medical																			Distance
sio		Devices Quality	3	3									3								Learning
		System 67361 Medical																			Courses.
	Mat	Electronics	3	3									3								
Ele	eria	67365 Internships	_	2									_								
cti	1s	Abroad	2	2									2								
VA		BE074 Medical	3	3									3								Computer
	Ind	momunes																			Courses.
Со	ustr	67366 Internship in Hospital and																			Graduation
urs	у	Medical	1	2											2						Requirement
es	Pro	Enterprise I																			4
		67359 Clinical																			
	gra	Instrumental	3	3											3						
	m	Analysis 67355 Applied																			
		Mechanics	3	3											3						
		67466 Internship																			
		in Hospital and	1	2													2				Graduation
		Medical	1	2													2				Requirement 4
		Enterprise II																			Т
		67458 Medical	3	8													3	5			
		Engineering Lab 67465																			
		Electromagnetic	3	3													3				
		Compatibility																			
		67453 Healthcare																			
		Photoelectric	3	3													3				
		System 67452 Medical																			
		Measurement and	3	3															3		
		Instrumentation																			
		67460 Patent	3	3															3		
		Engineering	3	3															3		
		67462 Introduction to																			
		Nano	3	3															3		
		Biomedicine																			
		67256																			
	Sm		3	3							3										
	art	Materials Science																			Comment
	Me	67356 Digital System Design	3	3							3										Computer Courses.
		67352																			Courses.
	dic	Biomedical	3	3									3								
	al	Materials																			
	Tre	67353	2	2									2								
	atm	Introduction to Clinical Medicine	3	3									3								
		67364		_									_								Computer
	ent	Microprocessor	3	3	L		L	L				L	3	L			L	L	L	L	Courses.
_		•				•		-													

Ming Chuan University Biomedical Engineering Department students entered on August 2021 Course Outline for all

					1 st	year			2 nd	year			3 rd	year			4 th	3.02		
	G	Credi	**	Fall		Spi	ring	Fa	ıll	Spr	ing	F	all	Spring		Fa	all		Spr	ring
	Course	ts	Hrs	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	Note
Pro	67357																			Computer
gra	Biomedical Signal Processing	3	3											3						Courses.
m	67358 Materials Mechanics	3	3											3						
	BE075 Embedded Systems	3	3											3						Computer Courses.
	67467 Research Project I	1	2													2				Graduation Requirement 4
	67461 Biosensor	3	3													3				
	67454 Introduction to Biomechanics	3	3													3				
	67455 Tissue Engineering	3	3													3				
	BE076 IHE Smart Integrated Interface	3	3													3				Computer Courses.
	67468 Research Project II	1	2															2		Graduation Requirement 4
	67151 Introduction to Computer Science	2	3	2	1															Computer Courses.
	67457 Complementary Medicine Engineering	3	3															3		
	67463 Technical English Writing	2	2													2				English Courses
	67464 Technical English Presentation	2	2															2		English Courses
Oth	BE077 Internship	3	3													3				7.1
er	BE078 Advanced Internship		3															3		7+1 Internship as
	BE079 Seminar on Industry Practice	3	3															3		Career Program Courses
	00134 Nursing Education I	0	2	2																
	00135 Nursing Education II	0	2			2														
	00241 All-out Defense Education Military Training A	0	2	2																

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				1st year					2 nd	year			3 rd	year			4 th			
	Course	Credi	Hrs	Fa	.11	Spr	ing	Fa	ıll	Spr	ring	Fall		Spring		Fall		Spr	ing	ng Note
			1115	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	class	lab	Note
	00242 All-out Defense Education Military Training B	0	2			2														
	00243 All-out Defense Education Military Training C	0	2					2												
	00244 All-out Defense Education Military Training D	0	2							2										
	ZZA01 Physical Education IV	2	2													2				
	ZZA02 Physical Education IV	2	2															2		
	Subtotal Required Course Credits	89																		
	At least Elective Course Credits	39																		
	Subtotal Professional Elective Course Credits	20																		
aı	Outside the department must admit Elective Course Credits	19																		
	Grand Total	128																		

Graduation Requirements:

- 1.In accordance with the General Provisions for Study, undergraduate students need to satisfactorily complete Service Learning, meet the university-wide basic competencies of English, Information Technology, Chinese, and Sports, and pass the core competencies of their department to be eligible for graduation.
- 2.Students need to complete at least 12 General Education course credits. General Education courses are divided into three areas: Humanities, Social Science, and Natural Science. Each area is divided into two subcategories: core and extended. Students need to take 1 two-credit course in both of the subcategories within each area to be eligible for graduation. Only 12 course credits will be counted toward graduation. Additional course credits earned in General Education courses are not counted toward graduation.
- 3. Course credits obtained from Education Program cannot be counted toward students' final grades.
- 4.Internship in Hospital and Medical Enterprise I, Internship in Hospital and Medical Enterprise II, Research Project I, Research Project II, those are elective advanced courses that the Department leads

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students to conduct integrated practical courses in biology, medicine and engineering. Students need to complete one of the following two combination courses for graduation.

- (1) Internship in Hospital and Medical Enterprise I and Internship in Hospital and Medical Enterprise II in the Medical Materials Industry Program.
- (2) Research Project I and Research Project II in the Smart Medical Treatment Program.
- 5. The credits of interdisciplinary focused course program are not included in course structure diagram that can be regarded as the other department credits, with a maximum 19 credits.
- 6.As for retaking professional required courses, students are allowed to take courses from other departments under the conditions of the same course titles or contents, and approval by the department chair. The credits from those retaken courses can be counted toward students' final grades.
- 7. The newly added elective courses in this academic year can be applied retroactively to students who entered from 2021-22 academic year.
- 8.Graduating students and students in the extended study period who did not pass required courses of Physical Education can waive a maximum of two (2) required Physical Education courses by passing Comprehensive Physical Education I, Comprehensive Physical Education II. This regulation is applicable for those admitted in and prior to 2020-21 academic year.
- 9.If International students, overseas students or students from Hong Kong and Macao are not good at Chinese, they can take the courses of Basic Chinese I & II through International College instead of taking Chinese Literature: Appreciation and Creative Writing I & II. This regulation can be applied to students who entered the university prior to the 2021-22 academic year.