

## Master Program for Biomedical Engineering Fall Semester 110 Elective Courses

Course	Type	Credit	1st year		2nd year	
			Fall	Spring	Fall	Spring
Special topics on regenerative medicine in Chinese medic	Elective	2	2	0	0	0
Special topics on nanotechnolgy in Chinese medicine	Elective	2	2	0	0	0
Computer aided design & engineering	Elective	2	2	0	0	0
Biomechanical analysis & application	Elective	2	2	0	0	0
Biomedical imaging principals & applications	Elective	2	2	0	0	0
Medical data mining	Elective	3	3	0	0	0
Research methods & techniques	Elective	2	2	0	0	0
Special topics of rehabilitation science	Elective	2	2	0	0	0
Research fundamentals in human movement science	Elective	2	2	0	0	0
Special topics on biochemical pharmacology	Elective	2	2	0	0	0
Special topics on biomedical materials	Elective	2	2	0	0	0
Clinical neuromusculoskeletal biomechanics	Elective	2	2	0	0	0
Application of Chinese medicine information	Elective	2	2	0	0	0
Biomedical nanotechnology	Elective	2	2	0	0	0
Special topics on health physics	Elective	2	2	0	0	0
Special topics on radiation measurement and dosimetry	Elective	2	2	0	0	0
Special topics on advanced numerical analysis	Elective	2	2	0	0	0
Special topics on scientific computing	Elective	2	2	0	0	0
Biostatistics	Elective	2	2	0	0	0
Special topics on ultrasound imaging	Elective	2	2	0	0	0
Finite element method & analysis	Elective	2	0	2	0	0
Special topics on therapeutic ultrasoun	Elective	2	0	2	0	0
Special topics on deformable image registration	Elective	2	0	2	0	0
Electronic patient record	Elective	2	0	2	0	0
Special topics on analysis of clinical signals in Chinese medicine	Elective	2	0	2	0	0
Special topics on meridian physics	Elective	1	0	1	0	0
Applied ergonomics	Elective	2	0	2	0	0
Special topics on neurocomputing	Elective	2	0	2	0	0
Special topics on computer graphics	Elective	2	0	2	0	0
Management and regulation of medical devices	Elective	2	0	2	0	0
Special topics on physics of biomimetic systems	Elective	2	0	2	0	0
Computer-aided medical image analysis	Elective	2	0	2	0	0
Special topics on medical physics	Elective	2	0	2	0	0
Clinical application of biomedical engineering	Elective	2	0	2	0	0
Seminar (III)	Elective	1	0	0	1	0
Seminar (IV)	Elective	1	0	0	0	1