

Ming Chuan University School of Health Technology
 “Human Factors Medical Engineering Design Focused Course Program” Curriculum
 Framework (6702_109)
 Implementing Unit: Biomedical Engineering Department
 Passed at the Department Curriculum Committee Meeting and the Department
 Affairs Committee Meeting on November 17, 2020

Course Type	Course Number	Course	Credits	Note
Required	67126	Introduction to Biomedical Engineering	1	School of Health Technology BME
Required	67223	Signals and Systems	3	SHT BME
Required	67127	Introduction to Medical Materials Industry	1	SHT BME
Elective	67357	Biomedical Signal Processing	3	SHT BME
Elective	67356	Digital System Design	3	SHT BME
Elective	67115(109,108) 67152(107,106)	General Biology	3	SHT BME
Elective	67256	Introduction to Materials Science	3	SHT BME
Elective	67353	Introduction to Clinical Medicine	3	SHT BME
Required	23106	Introduction to Design	2	School of Design PD
Required	23142	Principles of Design	2	SD PD
Required	23215	Human Factors Engineering	2	SD PD
Elective	23257	Ergonomic Design	2	SD PD
Elective	23253	Graphical User Interface Design	2	SD PD
Elective	23367	User Experience Design	2	SD PD
Elective	23436	Case Studies B	2	SD PD

Requirements :

1. Students are required to complete 20 credits during the years allotted, including 11 credits from required subjects and 9 credits from elective subjects. At least 6 credits must be courses not in students' original department or department of minor.
2. Students who applied for this focused course program before the 2020-21 academic year may also use this curriculum as a standard.