

Master of Science Program in Cardio-Thoracic Technology

Research Focus

- Echocardiography in Congenital Heart Diseases
- Advanced Application for Quantitative Echocardiogram
- Development of Non-invasive Devices for Early Detection of Cardiovascular Diseases

Structure of the Program

1. Credit Requirements*

Requirements	Option 1.2
Coursework	24
- Core Courses	21
- Electives	3
Required Non-credit Courses	4
Thesis	12
Total	36

* Minimum credits required

2. Core Courses

Requirements	Option 1.2	
	Course No.	Cr.
Congenital Heart Diseases and Acquired Heart Diseases	652511	2
Advanced Echocardiography in Children	652512	3
Advanced Echocardiography in Adults	652513	3
Clinical Echocardiography 1	652514	3
Clinical Echocardiography 2	652515	5
Clinical Echocardiography 3	652516	5
Total	6	21

3. Electives

Requirements	Option 1.2	
	Course No.	Cr.
Advanced Non-invasive Cardiac Examination	652521	3
Research Techniques in Cardiovascular System	655532	3
Cellular and Molecular Physiology of Cardiovascular System	655533	3
Total	3	≥3

4. Required Non-credit Courses

Requirements	Option 1.2	
	Course No.	Cr.
Research Methodology in Health Science	652571	3
Seminar	652572	1
Total	2	4

5. Thesis Credit Requirements

Requirements	Option 1.2	
	Course No.	Cr.
Thesis 1, Option 1.2	652591	3
Thesis 2, Option 1.2	652592	3
Thesis 3, Option 1.2	652593	6
Total	3	12