

1. Curriculum Structure

Type 2 (Plan A Type A2)

Degree Requirements total	a minimum of	36	credits
A. Coursework	a minimum of	18	credits
1. Graduate Courses	a minimum of	18	credits
1.1 Field of Specialization	a minimum of	18	credits
1.1.1 Required courses		12	credits
953701 Introduction to Software Development		3	credits
953702 Introduction to Software Process Management		3	credits
953790 Research Methodology in Software Engineering		3	credits
953791 Seminar in Software Engineering		3	credits
1.1.2 Elective courses	a minimum of	6	credits

By choosing from these courses or other courses approved by the Graduate Study Committee.

952703 Applications of Information and Communication Technology in Knowledge Management	3	credits
953711 Introduction to Agile Software Development	3	credits
953721 Software Requirements Engineering	3	credits
953722 Software Construction and Evolution	3	credits
953723 Software Process and Quality Assurance	3	credits
953724 Software Configuration Management	3	credits
953725 Software Verification and Validation	3	credits
953726 Software Formal Specification	3	credits
953741 Software Engineering for Large Enterprise Applications	3	credits
953742 Software Engineering for Industrial Applications	3	credits
953743 Software Engineering for Business Applications	3	credits
953761 Software Engineering for System and Network Programming	3	credits
953762 Software Engineering for Mobile Computing	3	credits
953771 User Experience Design	3	credits
953772 Introduction to Big Data	3	credits

953773	Artificial Intelligence Techniques in Software Engineering	3	credits
953774	Software Engineering for Serious Game Design	3	credits
953781	Software Project Management	3	credits
953782	Software Entrepreneur Economics	3	credits
953783	Security System and Management	3	credits
953784	Software Project Risk Management	3	credits
953785	Knowledge Engineering and Management	3	credits
953789	Selected Topics in Software Engineering	3	credits

1.2 Other courses - none -

2. Advanced Undergraduate Courses - none -

B. Thesis 18 credits

953799 Master's Thesis 18 credits

C. Non-credit Courses

1. Graduate School requirement: - a foreign language -

2. Program requirement - none -

D. Academic Activities

1. A student has to present paper in a seminar on the topic related to his/her thesis once semester
2. The whole or part of a thesis must be published or accepted according to announcement of Graduate School, subject: Criteria and Operating Procedure for Thesis Publication.
3. A student has to report thesis progression to the Graduate School every semester, for approval by the Chairman of the Graduate Study Committee.