



**Curriculum for Master's Degree in Software Engineering
-Thesis Track-
(6)**

a) Compulsory courses (15) credit hours as shown in the following list:

Course No.	Course Title	Credit hours	Education patterns	Prereq
1503711	Research Methodology	3	Electronic	-
1503761	Requirements Engineering	3	Face to Face	-
1503712	Software Testing and Measurement	3	Electronic	-
1503751	Architecture and Design Patterns Software	3	Face to Face	-
1503755	Software Maintenance and Evolution	3	Face to Face	-

b) Elective courses (9) credit hours to be chosen from the following groups:

Course No.	Course Title	Credit hours	Education patterns	Prereq
1503701	Advance Software Engineering	3	Blended	-
1503731	Software Project Management	3	Blended	-
1503735	Advanced Software Modeling	3	Blended	-
1503745	Component Based Software Design	3	Blended	-
1503741	Software Quality Engineering	3	Blended	-
1503765	Advance Formal Methods	3	Blended	-
1503785	Advanced Topics in Software Engineering	3	Blended	-
1501741	Cloud Computing	3	Blended	-
1501787	Advanced Topics in Information Technology	3	Blended	-
1506768	Block Chain	3	Blended	-
1506723	Cybersecurity Risk Management	3	Blended	-

Thesis:

Course No.	Course Title	Credit hours	Education patterns	Prereq
1503799	Thesis	9	Face to Face	-