Software and Informatics Engineering Curriculum
MSc in Software and Informatics Engineering
2018-2019

Salahaddin University | Engineering College

First Year – First Course:

Code	Module
ENG1011	General English
ENG1021	Computer Skills
ENG1031	Kurdology
SIE1041	Mathematics I
SIE1051	Programming algorithms
SIE1061	Logic Design

First Year – Second Course:

Code	Module
ENG1012	General English
ENG1012	Critical Thinking & Academic Debate
SIE1032	Mathematics II
SIE1042	Programming Principles
SIE1052	Discrete Mathematics
SIE1062	Computer Organization

Second Year

Code	Module
SE201	Computer Programming
SE202	Computer Architecture
SE203	Digital System Design
SE204	Mathematics II
SE205	Software Engineering and Modeling Concepts
SE206	Introduction to Database Systems
SE207	Data Structure and Algorithms
SE208	Computational theory
	Total

Third Year

Code	Module
SE301	Data Communication
SE302	Engineering Analysis
SE303	Compilers
SE304	Software Engineering
SE305	Web Programming
SE306	Mobile Application
SE307	Numerical Methods and Probability
SE308	Department Electives Image Processing* Cloud Computing*
	Total

Fourth Year

Code	Module
SE401	Computer Network
SE402	Computer Graphics
SE403	Artificial Intelligence
SE404	Operating System
SE405	Data Security
SE406	Real time control System
SE407	Department Electives Advance database *
SE408	Engineering Project
	Total