



## **Courses Tree**

**College: Computer Science and Information** 

Major: Software Engineering Program: Bachelor

Department: Software Engineering
Issue Date:01/03/2024

First University First Year [ 32 ] hr. **Principles of** Introduction to **Fundamentals University Core** Semester Programming + Laboratory Mathematics Elective of Information Requirements and Statistics Requirements Technology 16 Hours Second Object Oriented University Discrete **University Core** Semester Websites Design Programming Mathematics Requirements Requirements + Laboratory 16 Hours First Second Year [ 34 ] hr **Digital Logic Data Structures** Visual Systems Analysis **University Core** Semester + Laboratory Programming and Design Requirements Design 16 Hours Second Communication Computer **Fundamentals** Programming **University Core** Databases and Writing of Internet Semester Organization and of Software Requirements + Laboratory **Applications** Skills Architecture Engineering 18 Hours 후 First Algorithms Database Human Software Software Semester Linear Algebra Analysis and Management Computer Requirements Architecture Third Year [36 Design System Interaction Engineering 16 Hours Second Semester Software Testing Software Software Computer Operating **Program Elective** Specification and and Quality **Engineering** Networks Systems Requirements Tools 18 Hours Assurance Design Complete 90 CH -Complete 80 CH ₹ First Applied Software **University Core Program Elective** Software Project Fourth Year [30] Semester **Field Training** Graduation Development and Requirements Requirements Management Project (1) Documentation 16 Hours Second **Applied** University **Program Elective University Core** Software Semester Graduation Elective Requirements Requirements Security Requirements Project (2) 14 Hours



