


Four Year Advisory Plan (2019-2020) for SE Students

Faculty: Information Technology

Department: Software Engineering

1 st Year/ First Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0311201	Introduction to Information Technology *	3	A0331700*
A0111101	Mathematics (1)	3	-
A0311101	Discrete Mathematics	3	-
A0161101	Arabic Communication Skills	3	A0161100
A0161201	English Communication Skills	3	A0161200
Total: 15			

1 st Year/ Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0311202	Introduction to Programming 	3	A0311201
A0311203	Introduction to Programming Lab	1	A0311202*
A0341301	Networks and Information Security Essentials	3	A0311201
A0311301	Digital Logic Design	3	A0311101
A0111103	Statistics and Probability	3	A0111101
A0161301	National Education	3	-
Total: 16			

2 nd Year/ First Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0312201	Object-oriented Programming	3	A0311202
A0312202	Object-oriented Programming Lab *	1	A0312201*
A0312401	Fundamentals of Databases	3	A0311202
A0312402	Fundamentals of Databases Lab *	1	A0312401*
A0312301	Computer Organization and Architecture	3	A0311301
A0113101	Numerical Analysis	3	A0111101
	University Elective Requirement 1	3	-
Total: 17			


2 nd Year/ Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0312101	Data Structures	3	A0312201
A0312403	Systems Analysis and Design	3	A0312401
A0312203	Visual Programming	3	A0312201
A0332501	Introduction to Software Engineering	3	A0312201
A0313201	Internet Applications Development (1)	3	A0312401
A0313202	Internet Applications Development (1) Lab *	1	A0313201*
Total: 16			

3 rd Year/ First Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0333502	Software Design	3	A0332501
A0333503	Software Design Lab *	1	A0333502*
A0333501	Software Requirements Engineering	3	A0332501
A0313203	Internet Applications Development (2)	3	A0313201
A0313402	Advanced Databases	3	A0312401
	University Elective Requirement 2	3	-
Total: 16			

3 rd Year/ Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0333504	Software Construction and Documentation	3	A0333502
A0333505	Software Construction and Documentation Lab *	1	A0333504*
A0333506	Human Computer Interaction	3	A0312403
A0314201	Mobile Applications Development	3	A0312101
A0314202	Mobile Applications Development lab *	1	A0314201*
A0313101	Algorithms Analysis and Design	3	A0312101
	Major Elective Requirement 1	3	-
Total: 17			

4 th Year/ First Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0334602	Graduation Project (1)	3	Pass 90 Cr. Hrs. + A0333502
A0334501	Software Testing and Quality Assurance	3	A0333501
A0334502	Software Testing and Quality Assurance Lab *	1	A0334501*
A0334504	Software Architecture	3	A0333504
A0314501	Ethical and Professional Issues in Computing	1	Pass 80 Cr. Hrs.
A0334503	Software Project Management	3	A0333501
	Major Elective Requirement 2	3	-
Total: 17			

4 th Year/ Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0334603	Graduation Project (2)	3	A0334602
A0334601	Practical Training	0	Pass 90 Cr. Hrs. + A0333502
A0313301	Operating Systems	3	A0312301
A0161200	Military Sciences	3	-
	Major Elective Requirement 3	3	-
	University Elective Requirement 3	3	-
	University Elective Requirement 4	3	-
Total: 18			

 This course must be successfully passed in order to advance to any of the succeeding courses

* Concurrent Requirement