

Prince Hussein bin Abdullah II College for Information Technology

Advisory plan for software engineering major for the year 2015

First Year			
Semester 1 (10-13 hours)	Semester 2 (16 hour)	Summer (0-9 hours)	Total Hours
Introduction to programming	Digital Logic Design	Any of the courses from the first or second semesters	29
Introduction to Programming Lab	Object-Oriented Programming (1)		
Discrete Mathematics	Object-Oriented Programming Lab (1)		
Calculus 1	Linear Algebra (1)		
University mandatory 1	University compulsory requirement 2		
	Statistics Principles		
Second year			
Semester 1 (12-16 hours)	Semester 2 (14-17 hours)	Summer (0-9 hours)	Total Hours
Object-oriented programming (2)	Object-oriented software development	Any of the courses from the first or second semesters	33
Object-Oriented Programming Lab (2)	Introduction to database systems		
Fundamentals of Software Engineering	Introduction to Database Systems Lab		
Data structures	Algorithms		
Numerical methods	Visual programming		
University compulsory requirement 3	Visual Programming Lab		
	University compulsory requirement 4		
Third Year			
Semester 1 (12-16 hours)	Semester 2 (12-18 hours)	Summer (0-3 hours)	Total Hours
Software documentation	Software design	Training (3 hours)	37
Systems analysis and design	Computer design and organization		
Web programming	computer networks		
Web Programming Lab	Department (GUI) optional		
Operating Systems	University Elective Requirement 1		
Elective Department (SW Requirements)	University Elective Requirement 2		
Forth Year			
Semester 1 (16 hours)	Semester 2 (17 hours)	Summer (0-3 hours)	Total Hours
Software Testing	Software Quality		33
Information Systems Management	Elective Department (Advanced SWE)		
Optional Department (Data Mining, AI)	Information Systems Management		
University Elective Requirement 3	University Elective Requirement 4		
Software project management	University Elective Requirement 5		
Graduation Project 1	Graduation Project 2		

Notes

- **Although not required, but you should take Object oriented programming (2) and Data Structures before Object-oriented development**
- **Always register the course with its lab**
- **Although not required, but you should register for Software Testing before Software Quality**
- **The elective department courses we choose for you are only suggestions. You can register other courses from the list. However, we highly recommend these courses**