



Study Plan for Bachelor Degree in  
Web Engineering  
(132 Credit Hours)

First: University Requirements (27 Credit Hours)

1- University Compulsory: (15 Credit Hours)

Module No.	Module Name	Credit Hours	Prereq.	Mark
0111100	Military Sciences **	3	----	
0111101	National Education	3	----	
0114101	Arabic Language Skills (1)	3	0114099	
0130101	English Language Skills (1)	3	0130099	
0130102	English Language Skills (2)	3	0130101	

\*\* Compulsory for Jordanian students and elective for Non-Jordanians

2- University Electives: (12 credit hours)

(Each student studies (12) credit hours from the following fields one module from each field as minimum and two modules from one field as maximum)

a. Humanity Sciences Field (3 - 6) Credit Hours

Module No.	Module Name	Credit Hours	Prereq.	Mark
0114102	Arabic Language Skills (2)	3	0114101	
0130103	English Language Skills (3)	3	0130102	
0140101	French Language Skills (1)	3	---	
0140104	Foreign Language (Italian 1)	3	---	
0140105	Foreign Language (Italian 2)	3	0140104	
0140106	Foreign Language (Hebrew 1)	3		
0140109	Chinese language Skills (1)	3		
0140110	Chinese language Skills (2)	3	0140109	

b. Social and Economical Sciences Field (3 - 6) Credit Hours

0111111	Introduction to Sociology	3	---	
0111112	Introduction to Psychology	3	---	
0111133	Culture and Civilization (1)	3	----	
0111142	Communication and Society	3	---	
0115255	Culture of Development	3	---	
0420140	Human Rights	3	---	
0420143	Legal Culture	3	---	

c. Science, Technology, Agriculture, & Health Field (3-6) Credit Hours

0371111	Project Management Skills	3	---	
0731101	Social Networking Skills	3	---	
0731111	Computer Skills	3	---	
0910101	Health Promotion of Individuals and the community	3	---	
0910105	Principles of Nursing and First Aid	3	---	

Second: Faculty Requirements (24 Credit Hours)

Module No.	Module Name	Credit Hours	Prereq.	Mark
0721223	Object-Oriented Programming *	3	0750114	
0721240	Computing Ethics	3	0731110	
0731110	Introduction to Information Systems and Technology	3	----	
0731213	Introduction to Web Programming	3	0750114	
0750113	Programming Fundamentals (1) *	3	----	
0750114	Programming Fundamentals (2) *	3	0750113	
0750215	Visual Programming *	3	0721223	
0780110	Introduction to Internet and Web Technology	3	----	

Third: Major Requirements (81 Credit Hours)

a- Compulsory Modules (42 Credit Hours)

Module No.	Course Name	Credit Hours	Prereq.	Mark
0780111	Web Engineering Fundamentals	3	0780110	
0780220	Fundamentals of e-Government	3	0780111	
0780221	Requirements Engineering for Web Applications	3	0780111	
0780230	Web Documents *	3	0780111	
0780320	Web System Analysis and Design	3	0780221	
0780321	Web Process and Project Management	3	0780221	
0780323	Web Applications Usability *	3	0780320	
0780324	Web Services	3	0780340	
0780340	Web Server Side Technologies *	3	0780230	
0780341	Web Client side Technologies *	3	0780230	
0780420	e-Commerce System Engineering	3	0780323	
0780423	Quality Assurance and Testing of Web Applications	3	0780320	
0780431	Web Security	3	0731340	
0780470	Practical Training	0	90 Hours	
0780480	Project (1) *	1	90 Hours	
0780481	Project (2) *	2	0780480	

**\*All major modules include at least 25% Practical work, Tutorial, Lab., and Assignment**

b- Supplementary Compulsory Requirements (30 Credit Hours)

Module No.	Module Name	Credit Hours	Prereq.	Mark
0250231	Introduction to Statistics and Probabilities	3	0750120	
0721224	Data Structures *	3	0721223	
0731221	Database Fundamentals *	3	0721223	
0731340	Fundamentals of Computer Networks *	3	0721224	
0731423	Data Mining	3	0750464	
0750120	Discrete Mathematics	3	0750099	
0750272	Numerical Analysis	3	0750114	
0750323	Algorithms	3	0721224	
0750335	Operating Systems	3	0721224	
0750464	Information and Data Retrieval	3	0731221	

c- Elective Modules (9 Credit Hours)

Module No.	Module Name	Credit Hours	Prereq.	Mark
0780344	Mobile Web Applications	3	0780323	
0780346	Web Server Administration	3	0780340	
0780430	Semantic Web	3	0780324	
0780432	Special Topics in Web Engineering	3	90 Hours	
0780445	Cloud Computing based Development	3	0780324	

**All students must apply for level exam in Arabic and English languages and Computer skills**