Master of Enterprise Software Engineering (ESE)

"Enterprise Software Engineering — Where Innovation Meets Organizations"

Offered Jointly by Princess Sumaya University for Technology (PSUT) & German Jordanian University (GJU)

Curriculum (Thesis Track - 33 Credit hours)

1. Compulsory Requirements: (24 credit hours)

Course ID	Course Name	Credit Hours	ECTS	Contact Hours		Type	Prerequisites / Corequisites
				Lect	Lab		
13742	Enterprise Systems Architecture	3		3	0		
13721	Enterprise Software requirements and design	3		3	0		
13726	Software Testing and Quality	3		3	0		
13722	AI for Software Engineering	3		3	0		
13791	Research Methodologies	3		3	0		
13799	Thesis	9					
Total		**24**		**24**	**00**		

0. Elective Courses: (9 credit hours out of the following)

Course ID	Course Name	Credit Hours	ECTS	Contact Hours		Type	Prerequisites / Corequisites
				Lect	Lab		
13782	Advanced Software Development	3		3	0		
13783	Enterprise Software Security	3		3	0		
13743	Cloud Computing and Big Data	3		3	0		
13723	Enterprise Project Management	3		3	0		
13784	Enterprise Web Development	3		3	0		
13724	User Experience and Design	3		3	0		
13785	Emerging Technologies in Enterprise Software Engineering	3		3	0		
13728	Real-time and Embedded Systems	3		3	0		

13787	Service-Oriented Computing	3		3	0		
13727	Special Topics in Enterprise Software Engineering	3		3	0		
13725	Agile Software Development	3		3	0		
13788	Big Data Analytics	3		3	0		
13781	Enterprise Software Processes and Patterns	3		3	0		
Minimum required		**9**		**9**	**00**		