

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 (Comprehensive Exam - 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		
13782	Advanced Software Development	3		3	0		
13783	Enterprise Software Security	3		3	0		
13743	Cloud Computing and Big Data	3		3	0		
13791	Research Methodologies	3		3	0		
13798	Comprehensive Exam	0					
Total		24		24	00		

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

Course ID	Course Name	Credit Hours	ECTS	Contact Hours		Type	Prerequisites / Corequisites
				Lect	Lab		
13723	Enterprise Project Management	3		3	0	F2F	
13784	Enterprise Web Development	3		3	0	F2F	
13724	User Experience and Design	3		3	0	F2F	
13785	Emerging Technologies in Enterprise Software Engineering	3		3	0	F2F	

13728	Real-time and Embedded Systems	3		3	0	F2F	
13787	Service-Oriented Computing	3		3	0	F2F	
13727	Special Topics in Enterprise Software Engineering	3		3	0	F2F	
13725	Agile Software Development	3		3	0	F2F	
13788	Big Data Analytics	3		3	0	F2F	
13781	Enterprise Software Processes and Patterns	3		3	0	F2F	
Minimum required		9		9	00		