

Bachelor in "Software Engineering"

Year	Semester	Code	Coure name	Tipology	ECTS	
First Year	Semester I	PHY103	Physics	A	6	
		MATH103	Linear Algebra	A	6	
		MATH101	Calculus I	A	6	
		FL101	Foreign Language I	D	3	
		INF101	Introduction to Computing Science	B	6	
	First Semester					27
	Semester II	MATH104	Probability	A	6	
		MATH102	Calculus II	A	6	
		FL102	Foreign Language II	D	3	
		MATH106	Discrete Mathematics	A	6	
		INF102	Introduction to Programming	B	6	
		SWE101	Introduction to Software Engineering	B	6	
	Second Semester					33
	Firs Year					60
Second Year	Semester I	INF201	Object Oriented Programming	B	6	
		COM203	Database Management Systems	B	6	
			<i>Non Technical Elective I</i>	D	6	
		COM201	Digital Design	C	6	
		MTH201	Numerical Methods for Engineering	C	6	
	First Semester					30
	Semester II	INF203	Data Structures and Algorithms	B	6	
		INF205	Advanced Programming	B	6	
		SWE201	Software Engineering Analysis and Design	B	6	
		COM202	Computer Architecture	C	6	
		INF204	Web Programming	B	6	
Second Semester					30	
Second Year					60	
Third Year	Semester I	COM302	Operating Systems	B	6	
		COM301	Computer Networks	C	6	
		INF301	Programming Languages Paradigms	B	6	
		AI101	Introduction to Artificial Intelligence	B	6	
			<i>Technical Elective I</i>	B	6	
	First Semester					30
	Semester II	SWE301	Software Project Management	B	6	
		INF302	Mobile Programming	B	6	
		SWE392	Industrial Training	D	6	
			<i>Technical Elective II</i>	B	6	
SWE390/SWE391		Diploma Thesis/Comprehensive Exam	E	6		
Second Semester					30	
Third Year					60	
Total Study Program					180	

Code	Tecnical Elective Course Names	Tipology	ECTS
TEL241	Mobile and Wireless Networks	B	6
COM307	Introduction to Computer Graphics	B	6
INF304	Game Programming	B	6
AI203	Introduction to Natural Language Processing	B	6
AI202	Introduction to Data Mining	B	6
COM303	Cyber Security	B	6
INF305	Visual Programming Languages	B	6
SWE302	Software Testing and Verification	B	6

Kodi	Non-Tecnical Elective Course Names	Tipology	ECTS
BUS261	Engineering Economics	D	6
BUS262	Business and Project Management	D	6
BUS263	Professional and Managerial Skills	D	6
BUS264	Innovation Management	D	6
BUS265	Introduction to Law	D	6
BUS266	Intellectual Property	D	6