COMPUTER SCIENCE AND COMPUTER ENGINEERING

BSC IN COMPUTER SCIENCE AND COMPUTER ENGINEERING

Academic Degree	Total of credits	Duration of the study programme
Bachelor degree	180	6 Semesters

CREDITS BY SCIENTIFIC AREAS

Scientific Area	Initials	Credits (mandatory)	Credits (optional)
Social and Legal Sciences, Arts and Humanities or Other	CSO	6	0 a 12
Electronics and Telecommunications Engineering	ET	6	0 a 12
Computer Science and Engineering	IC	132	0 a 12
Mathematics	MAT	24	0 a 12
total:	-	**168**	**12**

CURRICULAR PLAN

1ST YEAR

1º Semester

Curricular Units		Total of Hours	ESCS	Scientific Area
Linear Algebra and Analytic Geometry	[mandatory]	160	6	MAT
Electronics	[mandatory]	160	6	ET
Logic and Digital Systems	[mandatory]	160	6	IC
Mathematics I	[mandatory]	160	6	MAT
Programming	[mandatory]	160	6	IC
total:		**800**	**30**	**-**

2º Semester

Curricular Units		Total of Hours	ESCS	Scientific Area
Computer Architecture	[mandatory]	160	6	IC
Informatics and Computer Laboratory	[mandatory]	160	6	IC
Mathematics II	[mandatory]	160	6.5	MAT
Probability and Statistics	[mandatory]	160	5.5	MAT
Object Oriented Programming	[mandatory]	160	6	IC
total:		**800**	**30**	**-**

2ND YEAR

3º Semester

Curricular Units		Total of Hours	ESCS	Scientific Area
Algorithms and Data Structures	[mandatory]	160	6	IC
Communications	[mandatory]	160	6	IC
Computer Systems Programming	[mandatory]	160	6	IC
Information Systems I	[mandatory]	160	6	IC
Options*	[optional]	160	6	CSO; MAT; IC
total:		**800**	**30**	**-**

4º Semester

Curricular Units		Total of Hours	ESCS	Scientific Area
Virtual Execution Environments	[mandatory]	160	6	IC
Software Laboratory	[mandatory]	160	6	IC
Computer Networks	[mandatory]	160	6	IC
Operating Systems	[mandatory]	160	6	IC
Options*	[optional]	160	6	IC; ET; MAT; CSO
total:		**800**	**30**	-

3RD YEAR

5º Semester

Curricular Units		Total of Hours	ESCS	Scientific Area
Concurrent Programming	[mandatory]	160	6	IC
Internet Programming	[mandatory]	160	6	IC
Information Systems II	[mandatory]	160	6	IC
Options (A)*	[optional]	160	6	IC
Options (B)*	[optional]	160	6	CSO; MAT; IC
total:		**800**	**30**	-

6º Semester

Curricular Units		Total of Hours	ESCS	Scientific Area
Project and Seminary	[mandatory]	480	18	IC
Options (A)*	[optional]	160	6	IC
Options (B)*	[optional]	160	6	ET; MAT; CSO
total:		**800**	**30**	-