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Computer Sciences Engineering

Code 9119
 Department Computer Sciences Department
 Degree Licenciado (bachelor)
 Registry Initial registry:
 R/A-Ef 729/2011 from 18-03-2011
 Changes registry:
 R/A-Ef 729/2011/AL01 de 20-08-2015
 Duration 3 year(s)
 Regime Daytime
 National entrance exams 16 Mathematics
 Course director Steven Lopes Abrantes
 Course Secretariat Sílvia Moreira
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Oferta Formativa

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Curricular structure

1st Year - 1st Semester

Course unit	Contact hours				ECTS
	T	TP	PL	O	
Algebra	13	39	-	-	4.5
Algorithms and Programming	19,5	26	52	-	8
Mathematical Analysis	19,5	39	-	-	5.5
Digital Systems	19,5	-	52	-	6
Computer Technology	19,5	19,5	26	-	6

T - Theoretical; TP - Theoretical and Practical; PL - Practical and laboratorial; O - Other types

1st Year - 2nd Semester

Course unit	Contact hours				ECTS
	T	TP	PL	O	
Computer Architectures	19,5	-	39	-	5.5
Data Structures	19,5	26	52	-	8
Applied Mathematics	-	26	32,5	-	5
Discrete Mathematics	26	32,5	-	-	5
Communication Networks I	19,8	-	52	-	6.5

T - Theoretical; TP - Theoretical and Practical; PL - Practical and laboratorial; O - Other types

2nd Year - 1st Semester

Course unit	Contact hours				ECTS
	T	TP	PL	O	
Systems Analysis	19,5	26	26	-	6.5
Internet Applications I	19,5	-	52	-	6.5
Object Oriented Programming	19,5	26	26	-	6.5
Operating Systems	19,5	-	39	-	5.5
Usability	19,5	-	26	-	5

T - Theoretical; TP - Theoretical and Practical; PL - Practical and laboratorial; O - Other types

2nd Year - 2nd Semester

Course unit	Contact hours				ECTS
	T	TP	PL	O	
Internet Applications II	19,5	-	39	-	5
DataBase Systems I	19,5	26	26	-	6
Software Engineering I	19,5	-	26	-	4.5
Programming for Mobile Devices	19,5	-	39	-	5
Integrated Project	-	-	52	26	5
Communication Networks II	19,5	-	26	-	4.5

T - Theoretical; TP - Theoretical and Practical; PL - Practical and laboratorial; O - Other types

3rd Year - 1st Semester

Course unit	Contact hours				ECTS
	T	TP	PL	O	
DataBase Systems II	19,5	-	52	-	6
Complements of Operating Systems	19,5	-	39	-	5
Communication Networks III	19,5	-	26	-	4.5
ICT Security	19,5	-	26	-	4.5
Distributed Systems	19,5	-	39	-	5

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Embedded Systems 19,5 - 39 - 5
T - Theoretical; TP - Theoretical and Practical; PL - Practical and laboratorial; O - Other types

Course unit	Contact hours				ECTS
	T	TP	PL	O	
Entrepreneurship and Business Management	-	26	-	-	3
Software Engineering II	19,5	-	52	-	6
Artificial Intelligence	19,5	-	26	-	5
Project Work	-	-	-	45,5	16

T - Theoretical; TP - Theoretical and Practical; PL - Practical and laboratorial; O - Other types

► Scientific areas

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