Tecnologia em Análise e Desenvolvimento de Sistemas/ Analysis and Systems Development Technology

FATEC: Zona Sul - Programming for Mobile Devices was determined as subject from the 2nd term of 2013 onwards.

1st. Term	2nd. Term	3rd. Term	4th. Term	5th. Term	6th. Term
Microinformatics Programming (4)	Software Enginereeing I (4)	Software Enginereeing II (4)	Software Enginereeing III (4)	Software Enginereeing Laboratory (4)	Projects Management (4)
Algorithm and Programming Logic (4)	Programming Language (4)	Data Structures (4)	Object-oriented Programming (4)	CHOICE I (4) - DB Laboratory - Distributed Systems	CHOICE II (4) - Special Topics - Network Laboratory
Hardware Laboratory (2)	Information Systems (4)	Human-Computer Interaction (2)	Data Bank (4)	Computer Network (4)	CHOICE III (4) - Artificial Intelligence - Systems Audit
Computer Architecture and Organization (4)	Accounting (2)	Operating Systems I (4)	Operating Systems II (4)	Information Security (2)	Team Management (2)
Discrete Mathematics (4)	Calculus (4)	Economics and Finance (2)	Programming for Mobile Devices (4)	Elective Course (4)	Information Technology Management and Governance (4)
General Administration (4)	Language and Communication Skills (4)	Applied Statistics (4)		Linear Programming and Application (4)	Entrepreneurship (2)
		Society and Technology (2)	Scientific Technological Research Methodology (2)		Ethics and Professional Responsibility (2)
English Language I (2)	English Language II (2)	English Language III (2)	English Language IV (2)	English Language V (2)	English Language VI (2)
Classes: Weekly 24 Term 480	Classes: Weekly 24 Term 480	Classes: Weekly 24 Term 480	Classes: Weekly 24 Term 480	Classes: Weekly 24 Term 480	Classes: Weekly 24 Term 480

Curricular Internship (as from the 3rd. term) - 240 hours

Undergraduate Major Work (as from the 5th. term) - 160 hours

Elective courses: Algorithm Analysis (4), Computer Architecture and Organization Laboratory (4), Programming Language I (4), Programming Language II (4), Programming Language III (4), Programming Language IV (4), Programming Language V (4), Programming Language VI (4), Programming Language VII (4), Programming Language VIII (4), Applied Microinformatics (4), Object-oriented Advanced Programming (4), Scripts Programmig (4), Logic Programming (4), Programming for Industrial Automation (4), Data Bank Programming (4), Mainframe Programming (4), WEB Programming (4), Computer Network Project (4), Network Operating Systems (4), Free Software (4) or Software Testing (4).

ALLOCATION OF CLASSES PER FORMATIVE CORE					
Basic Core Subjects	Classes	%	Professional Core Subjects	Classes	%
Mathematics and Statistics	320	11	Computer Science: Engenharia de Software Engineering and	840	30
Administration and Economics	160	6	Computer Science: IT Infrastructure	960	33
Portuguese Language Comunication	80	3	Elective Courses	80	3
English Language Comunication Skills	240	8	Cross-Studies (Multidisciplinary)	160	6
TOTAL	800	28	TOTAL	2080	72

COURSE LOAD SUMMARY
2880 classes --> 2400 hours (fulfills the CNCST) + (240 hours of CURRICULAR INTERNSHIP+ 160 hours of Undergraduate Major Work) = 2800