

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

FATEC: Praia Grande: Database Laboratory was no longer included in Choice options from the 2nd. term of 2012 onwards.

1st. Term	2nd. Term	3rd. Term	4th. Term	5th. Term	6th. Term
Microinformatics Programming (4)	Software Engineering I (4)	Software Engineering II (4)	Software Engineering III (4)	Software Engineering Laboratory (4)	Projects Management (4)
Algorithm and Programming Logic (4)	Programming Language (4)	Data Structures (4)	Object-oriented Programming (4)	Database Laboratory (4)	CHOICE II (4) - Special Topics - Network Laboratory
Hardware Laboratory (2)	Information Systems (4)	Human-Computer Interaction (2)	Database (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)	Data Bank Laboratory (4)	Elective Course II (4)	Information Technology Management and Governance (4)
General Administration (4)	Language and Communication Skills (4)	Applied Statistics (4)	Scientific Technological Research Methodology (2)	Linear Programming and Application (4)	Entrepreneurship (2)
		Society and Technology (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 Programming (4), Logic Programming (4), Programming for Industrial Automation (4), Database Programming (4), Programming for Mobile Devices (4), Mainframe Programming (4), WEB Programming (4), Computer Network Project (4), Network Operating Systems (4), Free Software (4) or Software Testing (4).

DISTRIBUIÇÃO DAS AULAS POR ÁREA DE CONHECIMENTO					
Disciplinas BÁSICAS	Aulas	%	Disciplinas PROFISSIONAIS	Aulas	%
Matemática e Estatística	320	11	Ciência da Computação: Engenharia de software e programação	840	29
Administração e Economia	160	6	Ciência da Computação: Infraestrutura de TI	960	33
Comunicação em Língua portuguesa	80	3	Eletivas	80	3
Comunicação em Língua estrangeira	240	8	Transversal (multidisciplinar)	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