

Undergraduate Course in Navigation Systems Technology

FATEC: Jahu

1st. Term	2nd. Term	3rd. Term	4th. Term	5th. Term	6th. Term
Introduction to Navigation Systems (4)	Waterway Works (4)	Nautical Tourism (2)	Trans-shipment of Transport Modals (2)	Informatics for Navigation Systems Project (4)	Navigation Systems Project (4)
Multiple Uses of Waters (4)	Concepts on Waterway Vehicles (4)	Transport Modals (4)	Navigation Systems and Tourism Legislation (4)	Machinery and Electrical and On-board Systems (4)	Economic Design of Transportation (4)
Physics (4)	Land Uses and Occupancy: Banks and Shores (2)	Operational Estability of Vessels (4)	Quality Management in Navigation Systems (2)	Vessels Structure and Documentation Analysis (4)	Tourist Design in Navigation Systems (2)
Scientific Technological Research Methodology (2)	Navigation Systems Materials (4)	Sports and Leisure Vessels (2)	Port Management (4)	Environmental Management - Port, Nautical and Navy (2)	Provas de Desempenho (2)
Informatics Applied to Navigation Systems (4)	Computer Graphics Applied to Navigation Systems (2)		Accountancy (2)	Vessels Management and Administration (2)	Navigation Systems Inspection (2)
		Navigation Systems Organization and Methods (2)	Production Administration (4)	Events Organization for Nautical Tourism (2)	Technical Standards on Navigation Systems (2)
Calculus (4)	Statistics (4)	Logistics for Navigation Systems		Entrepreneurship for Navigation Systems (4)	Personnel Management for Navigation Systems (4)
		Financial Mathematics (2)	Economy I (4)		
Business Communication (2)	General Theory on Administration (2)			Economy II (2)	
English Language I (2)	English Language II (2)	English Language III (2)	English Language IV (2)	English Language V (2)	
Classes: Weekly 26 Term 520	Classes: Weekly 24 Term 480	Classes: Weekly 22 Term 440	Classes: Weekly 26 Term 520	Classes: Weekly 26 Term 520	Classes: Weekly 20 Term 520400

Curricular Internship: 240 hours

DISTRIBUIÇÃO DAS AULAS POR EIXO FORMATIVO

Disciplinas BÁSICAS	Aulas	%	Disciplinas PROFISSIONAIS	Aulas	%
Comunicação em Língua Portuguesa	40	1,4	Projetos aplicados	280	9,7
Comunicação em língua estrangeira: Inglês	200	6,9	Tecnologias de embarcações	320	11,1
Matemática e Estatística	200	6,9	demais Específicas da tecnologia do curso	840	29,2
Física	80	2,8	Transversais	160	5,6
Administração e Economia	160	5,6	Gestão	600	20,8
TOTAL	680	23,6	TOTAL	2200	76,4

RESUMO DE CARGA HORÁRIA:

2880 aulas → 2400 horas (atende ao CNCST e ao CEE-SP) +
240 horas de Estágio Curricular = **2640 Horas**