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[Computer science engineering](#) [2]

The "**Computer Engineering**" program proposed by the INPT aims to train engineers who master concepts and technologies, ranging from major fields of information technology to the most advanced applications.

These applications include:

- Telecommunications
- Multimedia
- Mobility
- Content engineering
- Communicating and critical systems
- Business intelligence
- Architecture and urbanization of information systems

Branch coordinator :

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Opportunities

The "Computer Engineering" program implemented by the INPT offers a wide range of careers in the public sector but also in the private sector, namely:

- Web and mobile systems engineer
- Decision System Engineer
- Software Development Engineer
- Network Optimization Engineer
- Next Generation Network Engineer
- Service Development Engineer
- Systems and Network Engineer
- Systems and Network Security Engineer

- Technical pre-sales engineer
- Technical Support Engineer
- Network maintenance engineer
- Information systems management engineer

Program

1st year	S1	Mathematics for Engineers	
		Basic telecommunications	
		The engineer and his social environment	
		Programming and architecture	
		Waves and Electronic Circuits	
		Systems and networks I	
		Languages and Communication Techniques I	
	S2	Modeling and Statistics	
		Algorithms and Databases	
		Systems and networks II	
		Signal and Communication I	
		Economics and Management I	
		Languages and Communication Techniques II	
		Project	
2nd year	S3	Analysis and Design of Software Systems	
		TCP / IP Architecture	
		System and Virtualization Administration	
		Signal and Communication II	
		Multidisciplinary openings (*)	
		Economy and Management II	
		Communication Languages and Techniques III (summerinternsh	
	S4	Option	RSS¹
			Good Practice Guidelines and Decision Making

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				IT security	
				Economy and Management III	
				Languages and techniques of Communication IV	
				Project	
			WMD²	Architecture, Web & Process Management	
				IT security	
				Services, P2P and Cloud computing	
				SI Repositories and Software Development Conduct	
				Economy and Management III	
				Languages and techniques of Communication IV	
				Project	
3rdyear	S	Option →	RSS	Advanced Routing and IPv6	
	5			Security Management	
				Networks and Services Engineering	
				Information system management	
				Engineering of Protocols and Services	
				Economy and Management IV	
				Languages and techniques of communication V (defense of the course of 2A)	
				WMD	intelligent, real-time & Embedded systems
					Mobile Computing & Security
					Advanced Systems Architectures
					Management of Information Systems II
					Decision support techniques
					Economy and Management IV
					Languages and techniques of Communication V (defense of the year internship in English)
	S6			Final project (PFE)	
			RSS¹	Networks Security and Services Option	

			WMD²	Web, Mobile and Decision-making Systems EngineeringOption
			(**)Multidisciplinary Openings (Module to be constituted)	
				Advanced Java and Server Client
				Parallelism and DistributedAlgorithm
				RF Transmission
				Transmission and Optical Systems
				Bus and communication protocol for embedded systems
				Renewableenergies
				RF Systems for Satellite Communications & Measuring Tools
				Network Engineering Tools
				Hertzianbeams
				Digital Switching Engineering
				Nonlinearities in high-speed networks
				Fiber Sensor and Sensor Technology
				Elements of Quantum Information
				Elements of Cryptography



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