

Higher Institute of Technological Studies of RADES, TUNISIA



The Higher Institute of Technological Studies of Radès, flagship of the network of ISETs and flag bearer of the technological formation in Tunisia, has constituted since its creation in September 1995, the main supplier of the market of the employment in higher technicians as well in the industrial sector than in the services sector. Indeed, the location of the ISET Radès in one of the regions with the highest industrial concentration of the country, the region of Ben Arous, its integration in a logistics zone including the largest Tunisian port and its proximity to the largest poles trade and services of Tunis city, have allowed the institute to consolidate its regional vocation and to ensure a growing responsibility in the face of its professional partners.

Throughout these years of existence, ISET Radès has been a forerunner in terms of educational innovation and openness to the professional environment. It has often been the favourite scene for pilot experiments involving the ISET network.



ISET Radès won the prize for technological innovation through the creation of the Technological Resources Center in CAD / CAM, set up since 2005 as part of the Tunisian-French cooperation (Cooperation Project: Support to the development of Technological Education in Tunisia). A center that wants to be a body of technology transfer and support to industrial companies to ensure quality and performance essential to win the challenge of competitiveness.



It should be recalled that ISET Radès integrated the LMD system in September 2008 with six applied licenses in Mechanical Engineering, Electrical Engineering, Civil Engineering, Computer Technologies, Business Administration and Marketing leading to 21 courses allowing the formation of polyvalent licensees able to adapt to the requirements of the labor market. These licenses were enriched during 2014 by a promising new sector, Islamic Finance.



Departments and Disciplines

The Higher Institute of Technological Studies of Radès puts a lot of emphasis on interdisciplinary applied research in areas of strategic interest whether private or public such as:

- Civil Engineering
- Electrical Engineering
- Mechanical Engineering
- Computer Technology
- Economics and Management Sciences



ISET Radès is very active in the technology sector, and that's the reason why it has an enviable reputation and we are determined to continue our training, applied research and advanced development activities in this area. Given the omnipresence of technologies in modern societies, our vision has become one of implementation.

Departments and Disciplines

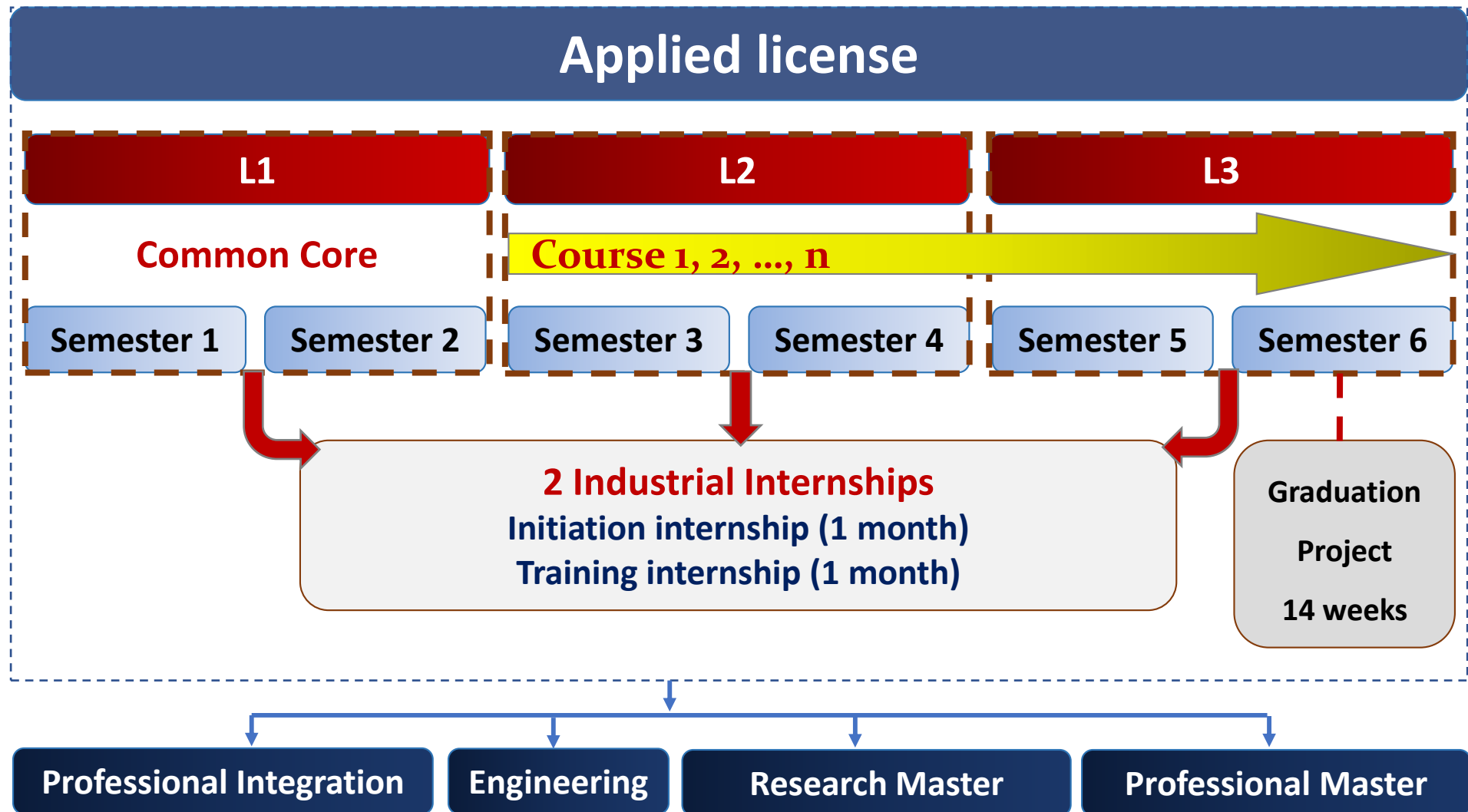
Our goal is to use our resources and expertise in technology and engineering to act as a catalyst for major developments in other disciplines through collaboration and teamwork.

The framework of the training offers a university course based on the three grades: License, Master and Doctorate, also called LMD reform and known, more commonly, under the name BAC + 3 + 5 + 8.

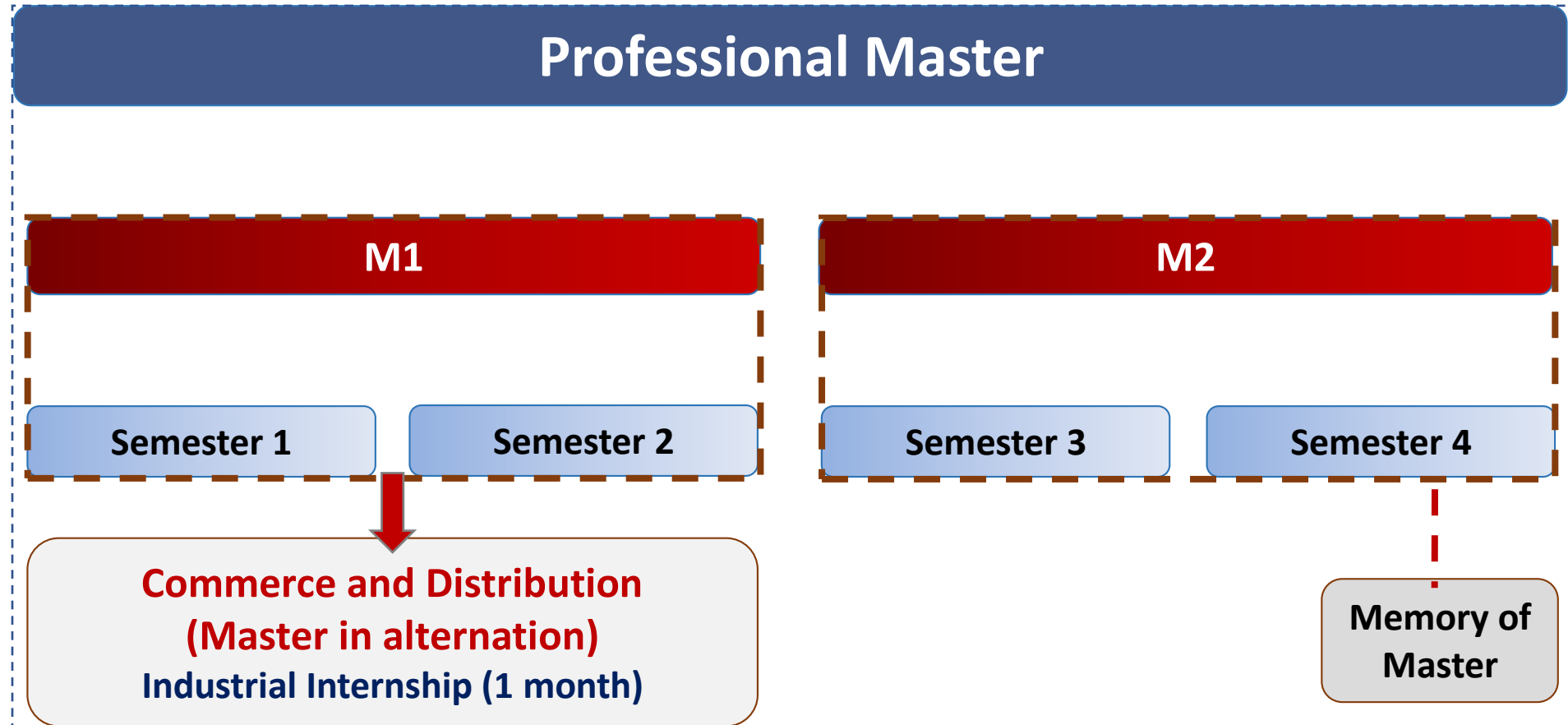
The academic cycles insured at ISET Radès are distributed as follows:

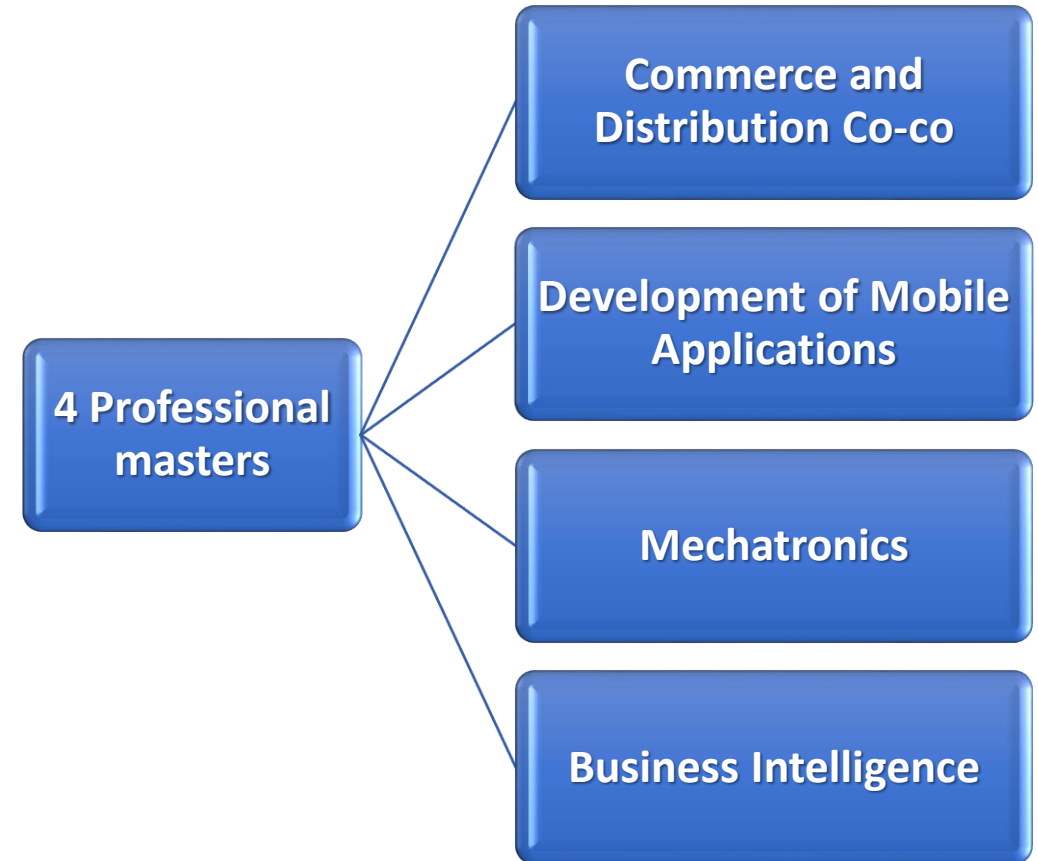
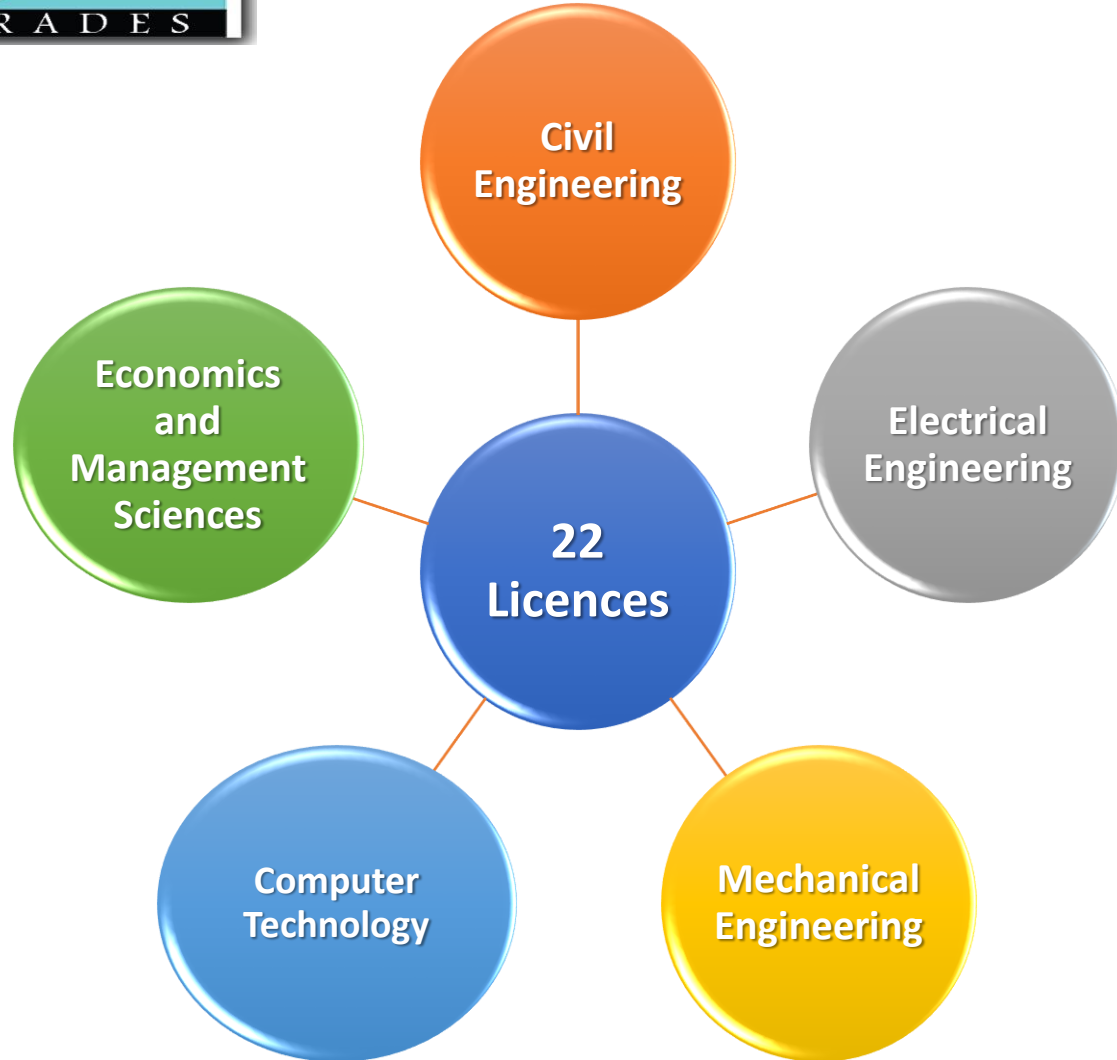


1st cycle: Applied license (3 years)



2nd cycle: Professional Master (2 years)





ECONOMICS AND MANAGEMENT SCIENCES



Economics and Management Sciences

The Economics and Management Department of the Higher Institute of Technological Studies of Rades offers 6 licences in marketing, business and management. One master, in trade and distribution, is also available with two main paths in trade and logistics.

Economics and Management Sciences

Students find in the department
six licences and one master :



LICENCES

Economics and Management Sciences

Main domain : <i>BUSINESS ADMINISTRATION</i>					
Specialty (path) : <i>ACCOUNTING AND FINANCE</i>					
SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4	SEMESTER 5	SEMESTER 6
Low introduction	General economy	Direct taxation	Intermediate accounting	Advanced accounting	Internship 1
Economy introduction	Trade law	Corporate law	Specific company accounting	Management control	Internship 2
Management	Statistical analysis	Management software workshop	Long-term financial management	International finance	Final project internship
Accounting 1	Marketing	Short term finance	Finance workshop	Financial and tax advantages	Activer W
Applied mathematics	Communication techniques	Accounting workshop	Indirect taxation	Business English	
Descriptive statistics	C2i	Accounting	Capital market	Entrepreneurial culture	
English	English	Communication techniques	Communication techniques	Communication techniques	
Human rights	Accounting 2	Entrepreneurial culture 1	Entrepreneurial culture	Op 1: Alternative Finance	
C2i	Database Workshop	Business English	Business English	Op 2: Applied Computing	
Communication techniques	Personal and Professional Project	Applied Computing	Personal and Professional Project	Op 3: Accounting Standards	
		Personal and Professional Project	Insurance techniques	Op 4: Treasury Management	

Main domain : <i>BUSINESS ADMINISTRATION</i>					
Specialty (path) : <i>PRODUCTION MANAGEMENT</i>					
SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4	SEMESTER 5	SEMESTER 6
Low introduction	General economy	Solving problems methods	Logistics and transport	project management	Internship 1
Economy introduction	Trade law	Production methods and techniques	Factory layout techniques	project management workshop	Internship 2
Management	Statistical analysis	Operational research	Factory layout techniques workshop	Management control	Final project internship
Accounting 1	Marketing	Study of times and movements	computer-assisted production management workshop	Statistical control of quality	
Applied mathematics	Communication techniques	Study of time and movements Workshop	Maintenance management	Measure analysis and improvement	
Descriptive statistics	C2i	Management accounting	QSE Management	Communication techniques	
English	English	Inventory and Supply Management	Entrepreneurial culture 2	Business English	
Human rights	Accounting 2	Entrepreneurial culture 1	Business English	Entrepreneurial culture 3	
C2i	Database Workshop	Business English	Communication techniques	Quality workshop	
Communication techniques	Personal and Professional Project	Communication techniques	Sales negotiation	International marketing	
		Applied Computing	Flow management	Production improvement	
		Personal and Professional Project	Personal and Professional Project	Quality audit	

Main domain : <i>BUSINESS ADMINISTRATION</i>					
Specialty (path) : <i>INTERNATIONAL TRADE MANAGEMENT</i>					
SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4	SEMESTER 5	SEMESTER 6
Low introduction	General economy	Economic geography	International Trade Law	International marketing	Internship 1
Economy introduction	Trade law	International freight transport	Market research	Commercial negotiating	Internship 2
Management	Statistical analysis	Financial management	International Trade Finance Techniques	Case study and export simulation	Final project internship
Accounting 1	Marketing	Inventory and Supply Management	Commercial actions	Management control	
Applied mathematics	Communication techniques	Problem solving methods	Customs techniques	Communication techniques	
Descriptive statistics	C2i	Management accounting	Business Logistics	Business English	
English	English	Communication techniques	Communication techniques	Entrepreneurial culture 3	
Human rights	Accounting 2	Business English	Business English	Case studies	
C2i	Database Workshop	Entrepreneurial culture 1	Entrepreneurial culture 2	E-commerce	
Communication techniques	Personal and Professional Project	Applied Computing	Personal and Professional Project	Services marketing	
		Personal and Professional Project	International Trade Technique	Indirect taxation	

Economics and Management Sciences

Main domain : <i>BUSINESS ADMINISTRATION</i>					
Specialty (path) : <i>LOGISTICS AND INTERNATIONAL TRANSPORT</i>					
SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4	SEMESTER 5	SEMESTER 6
Low introduction	General economy	International freight transport	Management of logistics platforms	Supply chain management	Internship 1
Economy introduction	Trade law	Transit and consignment	Chartering	Organization and port management	Internship 2
Management	Statistical analysis	Financial management	Customs techniques	Management control	Final project internship
Accounting 1	Marketing	Inventory and Supply Management	International Trade Finance Techniques	Case studies and logistics simulations	
Applied mathematics	Communication techniques	Problem solving methods	Business Logistics	Communication techniques	
Descriptive statistics	C2i	Management accounting	QSE management	Business English	
English	English	Communication techniques	Communication techniques	Entrepreneurial culture 3	
Human rights	Accounting 2	Business English	Business English	Case studies	
C2i	Database Workshop	Entrepreneurial culture 1	Entrepreneurial culture 2	E-commerce	
Communication techniques	Personal and Professional Project	Applied Computing	Insurance techniques	Services marketing	
		Personal and Professional Project	Personal and Professional Project	Indirect taxation	

Activer Wir

Economics and Management Sciences

Main domain : <i>MARKETING</i>					
Specialty (path) : <i>SALES MARKETING</i>					
SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4	SEMESTER 5	SEMESTER 6
Low introduction	General economy	Consumer's behavior	Commercial actions	Sales point marketing	Internship 1
Economy introduction	Trade law	Market research	Commercial actions workshop	Commercial negotiation techniques	Internship 2
Management	Statistical analysis	Operational Marketing	Commercial Logistics	Strategic marketing	Final project internship
Accounting 1	Marketing	Financial management	Human Resource Management	International marketing	
Applied mathematics	Communication techniques	Management accounting	Sales negotiation	Sales force animation	
Descriptive statistics	C2i	Inventory and Supply Management	Sales negotiation workshop	Management control	
English	English	Business English	Market research workshop	Communication techniques	
Human rights	Accounting 2	Communication techniques	Communication techniques	Business English	
C2i	Database Workshop	Entrepreneurial culture 1	Business English	Entrepreneurial culture 3	
Communication techniques	Personal and Professional Project	Applied Computing	Entrepreneurial culture 2	Media treatment	
		Personal and professional project	Distribution	Business Games	
			Applied Computing		

Main domain : <i>MARKETING</i>					
Specialty (path) : <i>ADVERTISING AND COMMUNICATION</i>					
SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4	SEMESTER 5	SEMESTER 6
Low introduction	General economy	Consumer's behavior	Market research workshop	Media planning	Internship 1
Economy introduction	Trade law	Market research	Sales negotiation workshop	Creative advertising	Internship 2
Management	Statistical analysis	Operational Marketing	Sales negotiation	Creative advertising workshop	Final project internship
Accounting 1	Marketing	Financial management	Commercial Logistics	Strategic marketing	
Applied mathematics	Communication techniques	Management accounting	Human Resource Management	International marketing	
Descriptive statistics	C2i	Inventory and Supply Management	Computer graphics and media processing	Sales force animation	
English	English	Business English	Marketing communication	Management control	
Human rights	Accounting 2	Communication techniques	Communication techniques	Communication techniques	
C2i	Database Workshop	Entrepreneurial culture 1	Business English	Business English	
Communication techniques	Personal and Professional Project	Applied Computing	Entrepreneurial culture 2	Entrepreneurial culture 3	
		Personal and professional project	Distribution	Media treatment	
			Marketing communication workshop	Business Games	



Economics and Management Sciences

MASTER

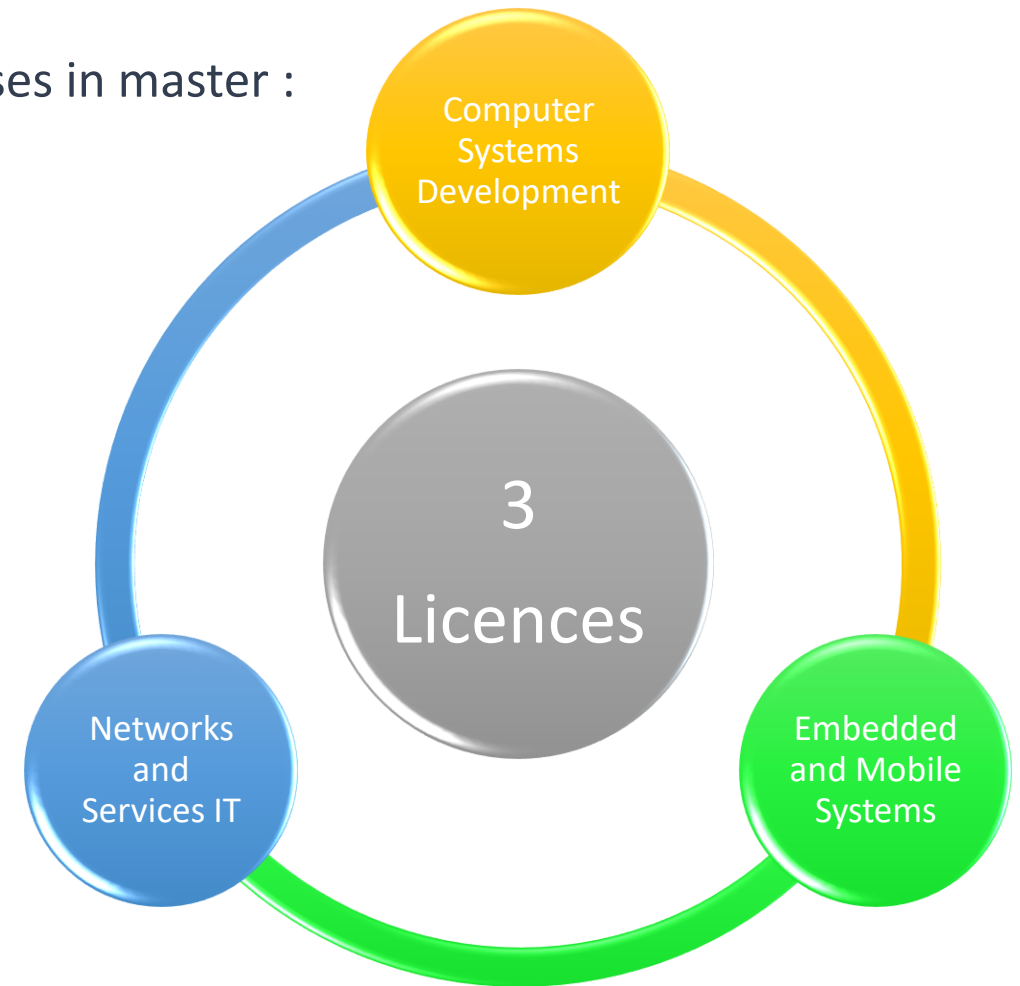
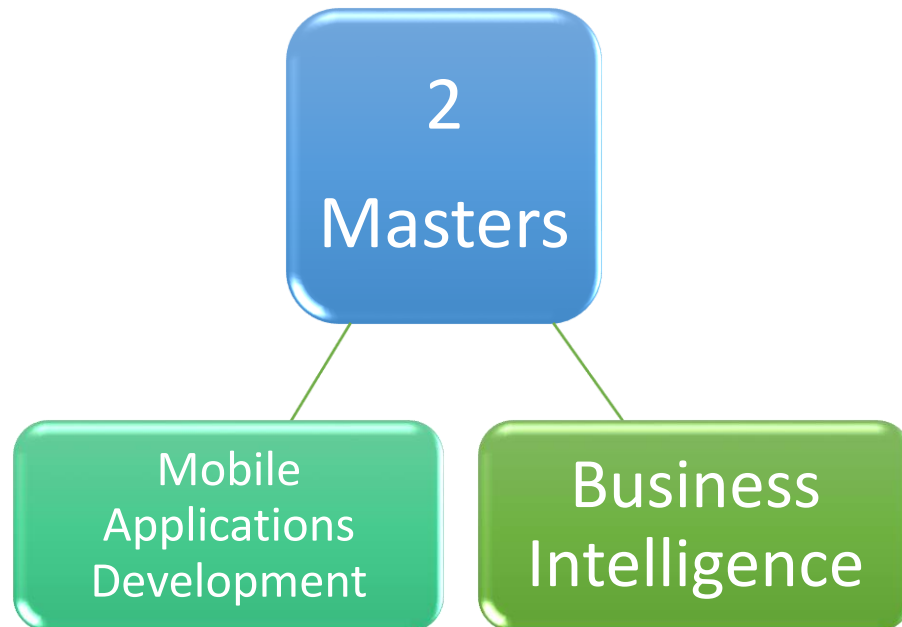
Main domain : <i>TRADE AND DISTRIBUTION</i>			
Specialty (path) : <i>TRADE</i>			
SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4
Quantitative Techniques applied to Marketing	Business English	Merchandising	Seminar : - Research methodology - Scientific writing
Multichannel distribution	Intrapreneurship	Relationship Marketing	
Electronic Commerce and EDI	Trade Marketing	CRM Workshops	
Communication techniques	Forecast and Inventory Management	Sale point animation Techniques	
Applied Computing	Trade negotiation	Distribution	
Business English	Project management	Personal Development and Coaching	INTERNSHIP AND MASTER MEMORY
Analysis and financial policy	Information and Decision Support System	Group conflict Management	
Ethics and CSR	Transport Management	Distribution Law	
Social right	Supply Chain and Integrated Logistics		

Main domain : <i>TRADE AND DISTRIBUTION</i>			
Specialty (path) : <i>LOGISTICS</i>			
SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4
Quantitative Techniques applied to Marketing	Business English	Management of Logistics Teams	Seminar : - Research methodology - Scientific writing
Multichannel distribution	Intrapreneurship	Management and Organization of Logistics Platforms	
Electronic Commerce and EDI	Trade Marketing	Production and Scheduling	
Communication techniques	Forecast and Inventory Management	Logistics Modeling, Optimization of Transport and Distribution	
Applied Computing	Trade negotiation	Multimodal Transport	
Business English	Project management	Logistics Networks	INTERNSHIP AND MASTER MEMORY
Analysis and financial policy	Information and Decision Support System	Logistics Information and Control System	
Ethics and CSR	Transport Management	International Financial Techniques and Methods of Payment	
Social right	Supply Chain and Integrated Logistics	Logistics Dashboards	
		Personal Development and Coaching	

COMPUTER TECHNOLOGY DEPARTMENT

The Computer Technology Department within the Higher Institute of Technological Studies of Rades offers complete training in computer science ranging from Licence to Master. The licence allows to acquire the fundamental skills of computer science and is intended to pursue studies in master's or engineering school. The master's degree offers specializations in several major fields (software engineering, networked services security and systems, and business intelligence).

The department offers three courses in licence and two courses in master :



LICENCES

Main domain : <i>COMPUTER TECHNOLOGY</i>						
Specialty (path) : <i>COMPUTER SYSTEMS DEVELOPMENT</i>						
SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4	SEMESTER 5	SEMESTER 6	
Applied Mathematics	Operational research	Operating systems 2 (Linux)	Object Oriented Design (UML)	Database Administration	Internship 1	
Applied Mathematics Workshop	Statistics & Probability	Systems 2 Workshop	Software Engineering Concepts	Database Administration Workshop	Internship 2	
Algorithmic and programming	Operating systems	Local Networks Workshop	Software Engineering Workshop	Persistence Framework Workshop	Final project internship	
Programming Workshop	Systems I Workshop	Data Bases	Event programming	Object Design Methodology		
Computer architecture	Algorithms & Programming II	Data Bases Workshop	Event Planning Workshop	Software architecture		
Logical Systems	Programming II Workshop	Objet Programmin	Server-side Web Framework Workshop	Development Environments Workshop		
Logical Systems Workshop	Web and multimedia development II	Objet Programmin Workshop	Advanced Object Programming	Mobile Development		
Web and multimedia development 1	Web Development and Multimedia II Workshop	Workshop Framework Client side	Advanced Object Programming Workshop	Mobile Development Workshop		
Web Development and Multimedia I Workshop	Foundations of Networks	Server Side Development	DBMS	Warehouse and data mining		
Expression techniques 1	Expression techniques 2	Web Development Workshop	DBMS Workshop	Project management		
Business Culture	Metier preparation	Technical English 3	Technical English 4	Warehouse and Data Mining Workshop		
English for computing 1	English for computing 2	Communication Techniques 1	Corporate culture 1	Project Management Workshop		
		Optional Unit	Communication techniques 2	Technical English 5		
			Optional Unit	Corporate culture 2		
				Communication techniques 3		
				Optional Unit		

Main domain : <i>COMPUTER TECHNOLOGY</i>					
Specialty (path) : <i>NETWORKS AND SERVICES IT</i>					
SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4	SEMESTER 5	SEMESTER 6
Applied Mathematics	Operational research	Operating systems 2 (Linux)	Routing and switching	Wireless networks	Internship 1
Applied Mathematics Workshop	Statistics & Probability	Systems 2 Workshop	Network 2 Workshop	WAN Technologies	Internship 2
Algorithmic and programming	Operating systems	Local networks	Web and Network Architectures	Network 3 Workshop	Final project internship
Programming Workshop	Systems I Workshop	TCP / IP protocols	System and network administration	Internet / Intranet Services	
Computer architecture	Algorithms & Programming II	Network 1 Workshop	System and Network Administration Workshop	Internet / Intranet Services Workshop	
Logical Systems	Programming II Workshop	Data base	Object Modeling (UML)	Network Services Admin	
Logical Systems Workshop	Web and multimedia development II	Database Workshop	Advanced Object Programming	Network Services Admin Workshop	
Web and multimedia development 1	Web Development and Multimedia II Workshop	Dynamic Web Workshop	Advanced Object Programming Workshop	Network security	
Web Development and Multimedia I Workshop	Foundations of Networks	Objet Programmin	Database Administration	Network Security Workshop	
Expression techniques 1	Expression techniques 2	Objet Programmin Workshop	Database Adminis. Workshop	Virtualization and Cloud Computing	
Business Culture	Metier preparation	Technical English 3	Technical English 4	Virtualization and cloud computing workshop	
English for computing 1	English for computing 2	Communication Techniques 1	Corporate culture 1	Technical English 5	
		Optional Unit	Comm. Techniques 2	Corporate culture 2	
			Optional Unit	Communication techniques 3	
				Optional Unit	

Main domain : <i>COMPUTER TECHNOLOGY</i>					
Specialty (path) : <i>EMBEDDED AND MOBILE SYSTEMS</i>					
SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4	SEMESTER 5	SEMESTER 6
Applied Mathematics	Operational research	Operating systems 2 (Linux)	Microcontroller	Real time systems	Internship 1
Applied Mathematics Workshop	Statistics & Probability	Systems 2 Workshop	Programmable circuits	Real-time systems workshop	Internship 2
Algorithmic and programming	Operating systems	Digital Circuits	Architectures and Systems 2 Workshop	Mobile operating systems	Final project internship
Programming Workshop	Systems I Workshop	Electronic	Object Modeling (UML)	Advanced Mobile Development	
Computer architecture	Algorithms & Programming II	Electronic systems Workshop	Server-side programming	Advanced Mobile Development Workshop	
Logical Systems	Programming II Workshop	Wireless Network Technologies	Server-side programming workshop	Advanced programmable circuits	
Logical Systems Workshop	Web and multimedia development II	Wireless Network Tech, Workshop	Interfaces Design	Advanced Programmable Circuitry Workshop	
Web and multimedia development 1	Web Development and Multimedia II Workshop	Protocols and network services	Communication systems	VHDL synthesis	
Web Development and Multimedia I Workshop	Foundations of Networks	Protocols and netw. serv. Workshop	Interfaces and Communication Workshop	Advanced Digital Systems Workshop	
Expression techniques 1	Expression techniques 2	Databases	Development of mobile native appli.	Technical English 5	
Business Culture	Metier preparation	Databases Workshop	Mobile Development 1 Workshop	Corporate culture 2	
English for computing 1	English for computing 2	Dynamic Web Workshop	Technical English 4	Optional Unit	
		Objet Programmin	Corporate culture 1		
		Objet Programmin Workshop	Communication techniques 2		
		Technical English 3	Optional Unit		
		Communication Techniques 1			

MASTER

Main domain : <i>COMPUTER TECHNOLOGY</i>			
Specialty (path) : <i>BUSINESS INTELLIGENCE</i>			
SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4
One-dimensional and two-dimensional analysis	Information systems and management control	Data Mining Workshop	Master memory : Internship in a professional environment
Data analysis Workshop	Approach and quality tools	Data Mining Workshop	
Data Manipulation Tools	OLAP & MDX	Reporting Techniques	
Latex	OLAP & MDX Workshop	Reporting Techniques Workshop	
Professional communication	Automatic learning	Decisional Project Management	
Modeling and Data Integration	Automatic learning Workshop	Personal and Professional Project	
Modeling and Data Integration Workshop	Multidimensional descriptive analysis	Multidimensional explanatory analysis	
Decision Information Systems	Data analysis 2 Workshop	Data Analysis Workshop III	
Advanced Databases	Visualization tools of data Workshop	IS governance	
Advanced Databases Workshop		Introduction to Big Data	
		Big Data with Hadoop Workshop	
		Seminar "News technologies "	

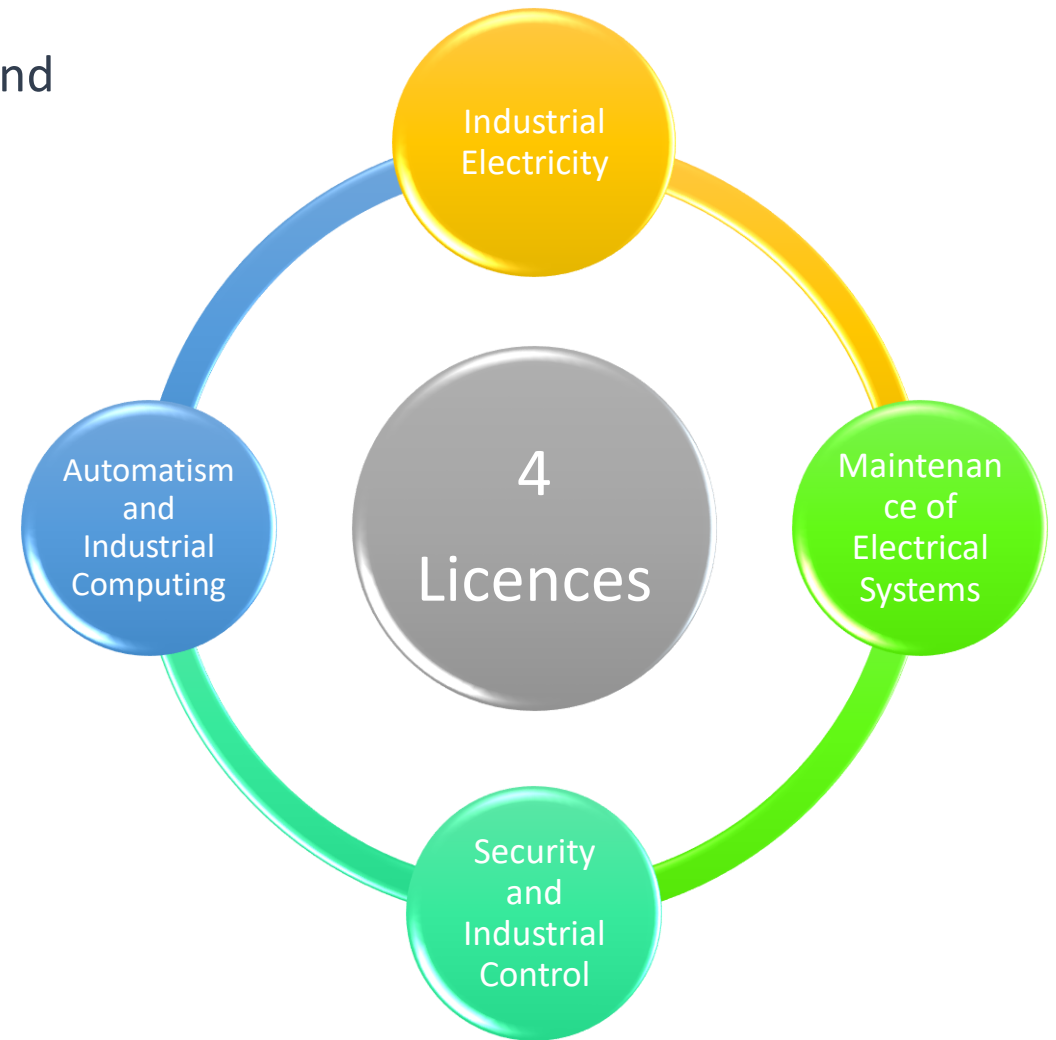
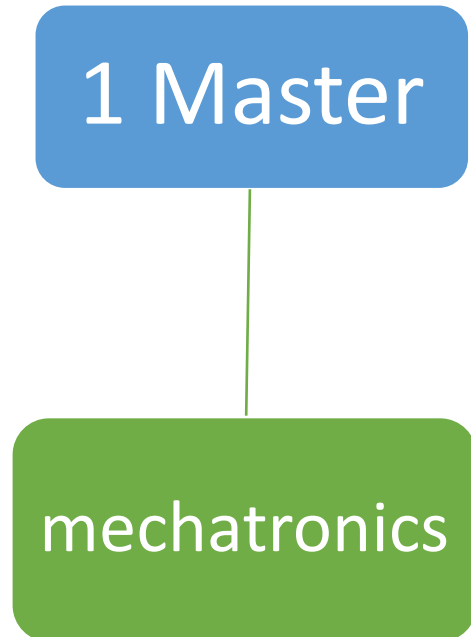
Main domain : <i>COMPUTER TECHNOLOGY</i>			
Specialty (path) : <i>MOBILE APPLICATIONS DEVELOPMENT</i>			
SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4
Web application development	Advanced Native Development	Internet of Things	Master memory : Internship in a professional environment
Web application development workshop	Advanced Native Development Workshop	Internet of Things Workshop	
Agile methods	Hybrid development	Project Management	
Agile Development Techniques Workshop	Hybrid development workshop	Project Management Workshop	
Android native development	Fundamentals of software architecture	Big Data and NoSQL	
Native IOS development	Service Oriented Architecture	Cloud computing	
Mobile terminal architecture	Scientific communication	Test and performance of mobile apps	
Mobile network architecture	Entrepreneurship and Innovation	Mobile application security	
Mobile Operating Systems	Mobile databases	Personnal project	
Interface and User Experience (UI / UX)	Personnal project	Mobile commerce	
Graphic design	Preparation for certification	Digital Marketing & SEO	
	Seminars	Artificial intelligence	

Electrical Engineering DEPARTMENT

The objective of the Department of Electrical Engineering is to train students in 3 years to enable them to fulfill responsibilities in various fields. Their academic background leads to an Applied Degree in Electrical Engineering in one of the following specialties:

- Industrial Electricity (EI)
- Automatism and Industrial Computing (AII)
- Maintenance of Electrical Systems (MSE)
- Security and Industrial Control (SCI)

Students find in the department four courses in license and a master course :



LICENCES

Main domain : <i>Electrical Engineering</i>					
Specialty (path) : <i>Industrial Electricity</i>					
SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4	SEMESTER 5	SEMESTER 6
Algebra 1	Algebra 2	Electrical Engineering 1	Control electronics	Speed variators	Internship 1 Internship 2 Final project internship
Analysis 1		Electrotechnical workshop 1		Static Converters	
Physics 1, 2	Math Workshop	Power electronics 1	Power Electronics Workshop 2	Distribution and exploitation	
Physics workshop	Electronic	Power electronics workshop 1	Production and transport of energy	Energy saving and renewable energies	
Electrical circuits	Basic electronics workshop	Continuous linear servo systems	Electromagnetic compatibility	Electrical network workshop 2	
Electrical Circuits Workshop	Structured Programming 2	Industrial Automatism	Electrical network workshop 1	Quality	
Structured Programming 1	Logic systems 2	Automatic workshop	Regulators	Maintenance and reliability	
Logic systems 1	Data processing workshop	Analog electronic	A.P.I and industrial local area networks	Quality workshop and maintenance	
Data Processing Workshop 1	Electrical safety	Digital electronics	Industrial Regulation Workshop	Industrial plant design	
General technology	Industrial installation	Electronic workshop	Electric machine	Design of home automation systems	
Domestic standards and installations	Electrical installation workshop 2	Actuators	Electrotechnical workshop	Workshop design offices	
Electrical equipment	Measurements and Metrology Workshop	Sensors	Communication techniques 3 English 4	Business creation	
Electrical installation workshop 1	Law	Industrial instrumentation workshop		English 5	
English 1	English 2	Communication techniques 2			
Communication techniques 1	C2i 2	Corporate culture 1			
C2i 1		English 3			

Main domain : *Electrical Engineering*

Specialty (path) : *Automatism and Industrial Computing*

SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4	SEMESTER 5	SEMESTER 6
Algebra 1	Algebra 2	Power electronics	Modeling systems	Digital circuit design	Internship 1
Analysis 1	Analysis 2	Electrical	Systems cut	Programmable circuits workshop 2	Internship 2
Physics 1, 2	Math Workshop	EEP workshop	Automatic workshop 2	DSP Circuits	Final project internship
Physics workshop	Electronic	Industrial Automation	Advanced API programming	Robotic systems	
Electrical circuits	Basic electronics workshop	Continuous linear servo systems	Industrial local networks	Real time systems	
Electrical Circuits Workshop	Structured Programming 2	Automatic workshop 1	Automated Systems Workshop 1	Automated Systems Workshop 2	
Structured Programming 1	Logic systems 2	Actuators	Event programming	Industrial regulation	
Logic systems 1	Data processing workshop	Sensors	Data base	Supervision of industrial processes	
Data Processing Workshop 1	Electrical safety	Industrial instrumentation workshop	Computer Systems Workshop	NPC Workshop	
General technology	Industrial installation	Electronics 2	Microcontrollers	Quality and production management	
Domestic standards and installations	Electrical installation workshop 2	Electronic workshop 2	Programmable circuits workshop 1	Maintenance and reliability	
Electrical equipment	Measurements and Metrology Workshop	Signal processing	Corporate culture 2	Project Management Workshop	
Electrical installation workshop 1	Law	Data transmission	Specific English 1	Communication Techniques 3	
English 1	English 2	Data Processing Workshop 3	Communication techniques 2	Specific English 2	
Communication techniques 1	C2i 2	Corporate culture 1	Labview programming	Corporate culture 3	
C2i 1		English 3	Computer Security Workshop	Mini-project	
		Communication Techniques 2			

Main domain : <i>Electrical Engineering</i>					
Specialty (path) : <i>Maintenance of Electrical Systems</i>					
SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4	SEMESTER 5	SEMESTER 6
Algebra 1	Algebra 2	Power electronics	Functional and Value Analysis	Electrical System Repair Methodologies	Internship 1
Analysis 1	Analysis 2	Electrical	Reliability of the systems	Methods of repairing electronic systems	Internship 2
Physics 1, 2	Math Workshop	Electrotechnical workshop	Workshop safety and operation	MSE Workshop	Final project internship
Physics workshop	Electronic	Industrial automation	Initiation to automotive mechatronics	Telemetry and remote monitoring	
Electrical circuits	Basic electronics workshop	Regulation and servoing	Electric machine controls	Methods and tools for fault diagnosis	
Electrical Circuits Workshop	Structured Programming 2	Automatic workshop	CSI Workshop	Diagnosis and surveillance workshop	
Structured Programming 1	Logic systems 2	Signal processing	Programmable digital circuits	SAP control and supervision	
Logic systems 1	Data processing workshop	Electronic	CNP Workshop	Industrial Computer Workshops	
Data Processing Workshop 1	Electrical safety	ETS workshop	Management and mastery of maintenance	Embedded electronic systems	
General technology	Industrial installation	Sensors and actuators	Maintenance Management Workshop	SEE Workshop	
Domestic standards and installations	Electrical installation workshop 2	Industrial instrumentation workshop	Work legislation	Project management	
Electrical equipment	Measurements and Metrology Workshop	Statistics and probability	Communication techniques 3	Specific English 3	
Electrical installation workshop 1	Law	Quality management	Specific English 2	Communication Techniques 4	
English 1	English 2	Quality Management Workshop	General mechanic	Hydraulic and pneumatic systems	
Communication techniques 1	C2i 2	Specific English 1	General Mechanics Workshop	Mini-project	
C2i 1		Corporate culture	C.A.O Workshop Mechanics		
		Communication Techniques 2			

Main domain : <i>Electrical Engineering</i>					
Specialty (path) : <i>Security and Industrial Control</i>					
SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4	SEMESTER 5	SEMESTER 6
Algebra 1	Algebra 2	Electro technical	DAO	Anti-intrusion system and access control	Internship 1
Analysis 1	Analysis 2	Power electronics	Data base	CCTV system	Internship 2
Physics 1, 2	Math Workshop	EEP workshop	Database Workshop	Workshop for the safety of goods and people 2	Final project internship
Physics workshop	Electronic	Industrial Automation	Workshop for security of goods and people 1	Functional safety workshop	
Electrical circuits	Basic electronics workshop	Industrial regulation	Fire safety and security in ATEX environment	Reliability of the systems	
Electrical Circuits Workshop	Structured Programming 2	Automatic workshop	Safety in construction sites and premises with special risks	quality management	
Structured Programming 1	Logic systems 2	Analog electronic	Security metrology	Risk assessment methods	
Logic systems 1	Data processing workshop	Microprocessor and microcontrollers	Sensors and actuators	Security Management Workshop	
Data Processing Workshop 1	Electrical safety	Electronics workshop	Industrial instrumentation workshop	Security audit	
General technology	Industrial installation	Chemical safety	Industrial local networks	Project management	
Domestic standards and installations	Electrical installation workshop 2	Introduction to occupational hazards	Automatism	Ergonomics	
Electrical equipment	Measurements and Metrology Workshop	Workplace Health and Safety workshop	Centralized Technical Management Workshop	Mini security project	
Electrical installation workshop 1	Law	Acquisition and transmission of data	Specific English	Communication techniques	
English 1	English 2	Workshop acquisition and transmission	Corporate culture 2	Corporate culture 3	
Communication techniques 1	C2i 2	Corporate culture 1	Communication techniques	Specific English	
C2i 1		Communication techniques 2	Production management	Introduction to conventional and alternative technologies of electricity generation	
		English 3	Computer Networks Workshop	Energy management standard	

MASTER

Main domain : <i>Sciences and Technologie</i> Specialty (path) : <i>Master Mechatronics</i>			
SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4
Numerical analysis and optimization	microcontrollers	Modeling robots	Memory of Master
Signal processing	Chain acquisition	Actuators for robotics	
Mathematics Workshop	Workshop Acquisition and Data Processing 1	Robotics Workshop	
Mechanics of rigid solids	Analysis of mechatronic systems	DSP	
Continuum mechanics	Modeling of 5 Mechatronic Systems	FPGA	
Mechanical workshop	Mechatronics systems workshop 1	Workshop	
Electronic functions	Industrial regulation	Project approach	
Static Converters	Modeling and Identification	Mechatronics project	
Electronic Systems Workshop	Automatic Workshop	Mechatronic Systems Workshop 2	
R L I and supervision	Experimental design	Real time systems	
Modeling of Continuous Linear Systems	Business plan	Industrial vision	
Automatic Workshop1	Scientific Communications	Workshop Data Acquisition and Processing 2	
Quality of electrical energy	Production by numerical control and CAD / CAM	Management and Quality	
Energy quality workshop 3	Production workshop	Industrial Project Management Workshop	
Mechanical Engineering Technology.	Labview Language	Mobile application development	
C.M. Workshop	Labview Programming Workshop	DAM workshop	

Mechanical Engineering DEPARTMENT

The objective of the Department of mechanical Engineering is to train students in 3 years to enable them to fulfil technical responsibilities in various fields. Their academic background leads to an Applied Degree in mechanical Engineering in one of the following specialties:

- Mechanical construction and manufacture
- Energetic
- Industrial maintenance
- Plastics
- Mechatronics

LICENCES

Main domain : *mechanical Engineering*

Specialty (path) : *Mechanical construction and manufacture*

SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4	SEMESTER 5	SEMESTER 6
analysis 1	characterization of materials	thermodynamic	three-dimensional metrology	design methodology	Internship 1
algebra 1	metallic materials	fluid mechanics	production by CN 1	workshop design 2	Internship 2
resistance of materials 1	materials science workshop	mechanical workshop 3	production workshop 1	analysis of mechanical systems 2	Final project internship
mechanical workshop 1	statistics	database management system	cutting study	production workshop 2	
static and kinematics of solids	analysis 2	algorithmic	industrialization workshop 1	computer-aided manufacturing CAM	
construction technology 1	solid dynamics	computer workshop	operational organization of production	production by CN2	
mechanical construction workshop 1	resistance of materials 2	automatic workshop	Quality Control	industrialization workshop 2	
production methods	mechanical workshop 2	industrial automation	the tools of quality	production management tools	
process and methods workshop 1	construction technology 2	regulation and control	quality workshop	industrial Security	
machining processes	mechanical construction workshop 2	techniques of communication	techniques of communication	technical English	
electrical	formatting processes	English	business management	right to work	
electricity and electronics	workshop of methods and processes of production 2	entrepreneurial culture	English	techniques of communication	
electricity workshop		production by CN	workshop design 1	opt 4.1: Monitoring Techniques	
	crude production processes	opt 1.1: Choice of materials	analysis of mechanical systems 1	Mini Project Production	
	law	C.A.O Workshop	hydraulic and pneumatic systems	Mini Project Design	
	techniques of communication	workshop processes and production methods preparation for manufacture	Opt 2.1: The New Systems of Production and TPM	opt 3.1: Dimensioning of mechanical systems	
	English	Mini project 1.1 C.A.O	Mini Project 2.1		

Main domain : *mechanical Engineering*

Specialty (path) : *Energetic*

SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4	SEMESTER 5	SEMESTER 6
analysis 1	characterization of materials	computer workshop	thermal building 1	centralized technical management and driving	Internship 1
algebra 1	metallic materials	algorithmic	thermal comfort	automatic thermal installations	Internship 2
resistance of materials 1	materials science workshop	database management system	thermal phenomena workshop 2	workshop maintenance facilities	Final project internship
mechanical workshop 1	statistics	mechanical workshop 3	thermal machines	thermal	
static and kinematics of solids	analysis 2	fluid mechanics	applied thermodynamic workshop	maintenance of the facilities of	
construction technology 1	solid dynamics	thermodynamic	heat exchangers	thermal	
mechanical construction workshop 1	resistance of materials 2	industrial automation	refrigerating machines	sizing of installations and	
production methods	mechanical workshop 2	regulation and control	cold physics	air conditioner	
process and methods workshop 1	construction technology 2	automatic workshop	refrigeration workshop	sizing workshop	
machining processes	mechanical construction workshop 2	heat transfer	regulation and control of air conditioner	sizing of networks	
electrical	formatting processes	thermal phenomena workshop 1	Electrical Installation	hydraulic and aeraulic	
electricity and electronics	workshop of methods and process of production 2	combustion	electricity and regulation workshop	quality and industrial safety	
electricity workshop	crude production processes	English	techniques of communication	mastery of energy	
	law	business culture	English	industrial management workshop	
	techniques of communication	techniques of communication	business management	techniques of communication	
	English	Mop1.1: Conc.Inst of hot and cold	Op2.2: Industrial drying	right to work	
	C2i	Workshop Inst hot and cold	Opt 2.1 Solar collectors		
		Mini Project 1.1	Mini Project 2.1		

Main domain : *mechanical Engineering*

Specialty (path) : *Industrial maintenance*

SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4	SEMESTER 5	SEMESTER 6
analysis 1	characterization of materials	algorithmic	technology and system maintenance	sensors and actuators	Internship 1
algebra 1	metallic materials	computer workshop	pneumatic	industrial control workshop	Internship 2
resistance of materials 1	materials science workshop	database management systems	technology and system maintenance	control of electrical machines	Final project internship
mechanical workshop 1	statistics	mechanical workshop 3	hydraulic	systems repair techniques	
static and kinematics of solids	analysis 2	thermodynamic	workshop hydraulic systems and	mechanical	
construction technology 1	solid dynamics	fluid mechanics	pneumatic	systems repair techniques	
mechanical construction workshop 1	resistance of materials 2	monitoring techniques	industrial automation	automated	
production methods	mechanical workshop 2	CND workshop and techniques of oversight	automatic workshop	maintenance management	
process and methods workshop 1	construction technology 2	non-destructive testing	regulation and control	CMMS workshop	
machining processes	mechanical construction workshop 2	industrial systems analysis	thermal systems workshop	maintenance methods	
electrical	formatting processes	industrial management workshop	industrial heat	techniques of communication	
electricity and electronics	workshop of methods and methods of production 2	quality and industrial safety	technology and machine maintenance	technical English	
electricity workshop	crude production processes	techniques of communication	thermal	right to work	
	law	English	techniques of communication	Op 3.1: Systems Diagnostics	
	techniques of communication	Mop1.1: Mechanical design	English	mechanical	
	English	Workshop 1.1: Automotive Maintenance	business management		
	C2i		Electrical installation		
			industrial electricity workshop		

Main domain : *mechanical Engineering*

Specialty (path) : *Plastics*

SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4	SEMESTER 5	SEMESTER 6
analysis 1	characterization of materials	Mechanical workshop 3	injection mold design 1	workshop design 2	Internship 1
algebra 1	metallic materials	fluid mechanics	workshop design 1	design of injection molds 2	Internship 2
resistance of materials 1	materials science workshop	thermodynamic	design rules and innovation	die and model design	Final project internship
mechanical workshop 1	statistics	computer workshop	discontinuous MF processes 2	tool making workshop	
static and kinematics of solids	analysis 2	algorithmic	continuous MF processes 2	NC machining and CAD / CAM	
construction technology 1	solid dynamics	database management system	MP fitness workshop 2	EDM machining and polishing	
mechanical construction workshop 1	resistance of materials 2	plastic sciences	regulation and control	production management tools	
production methods	mechanical workshop 2	plastic workshop	industrial automation	industrialization workshop	
process and methods workshop 1	construction technology 2	behavior and aging	automatic workshop	industrial Security	
machining processes	mechanical construction workshop 2	continuous Formatting processes 1	quality workshop	right to work	
electrical	formatting processes	discontinuous Formatting processes 1	quality system	techniques of communication	
electricity and electronics	workshop of methods and methods of production 2	Workshop Formatting of plastics 1	Quality Control	technical English	
electricity workshop	crude production processes	English	business management	Op 3.1: Design and Thermal of molds	
	law	techniques of communication	techniques of communication		
	techniques of communication	business culture	English	Mini Project Design	
	English	Mop1.1: Tech. and Maintenance of	Mini-project	Op 4.1: Techniques of maintenance	
	C2i	Syst.Hydr.	Mop2.1: Manufacturing and Assembly		
		Workshop 1.1: Articles and tools	tooling		
		Mini Project 1.1	Thermal transfer1		

Main domain : *mechanical Engineering*

Specialty (path) : *Mechatronics*

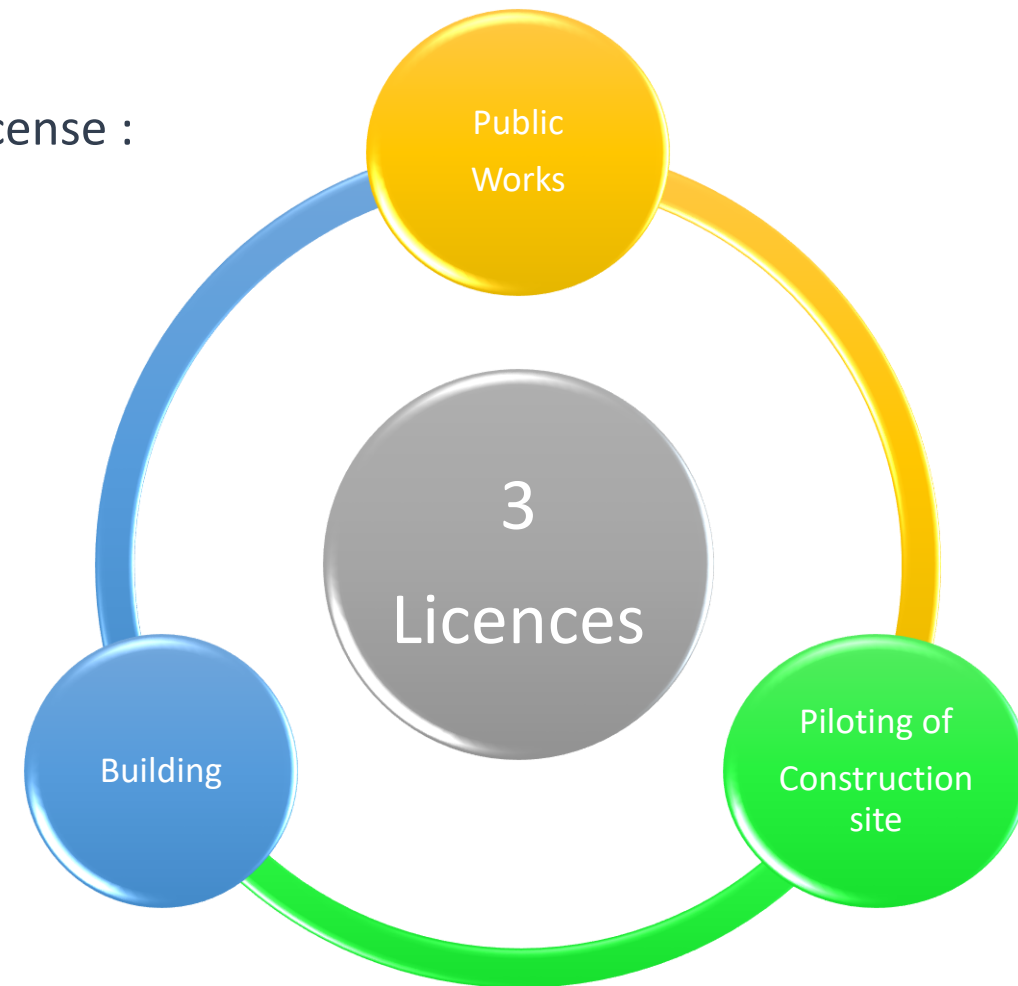
SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4	SEMESTER 5	SEMESTER 6
analysis 1	characterization of materials	structured programming	computer systems workshop 1	digital systems design	Internship 1
algebra 1	metallic materials	algorithmic	object-oriented programming	computer systems workshop 2	Internship 2
resistance of materials 1	materials science workshop	computer workshop	structured programming 1	embedded systems	Final project internship
mechanical workshop 1	statistics	fluid mechanics	power electronics	multiplexing and protocols	
static and kinematics of solids	analysis 2	mechanical workshop	electronic systems workshop 1	electronic systems workshop 2	
construction technology 1	solid dynamics	thermodynamic	electronic	programmable circuits	
mechanical construction workshop 1	resistance of materials 2	automatic workshop	industrial management workshop	diagnostic mechatronic systems	
production methods	mechanical workshop 2	industrial automation	quality and industrial safety	mechatronics diagnostic workshop	
process and methods workshop 1	construction technology 2	regulation and control	maintenance management	repair workshop mecatro	
machining processes	mechanical construction workshop 2	automated systems analysis workshop	instrumentation	techniques of communication	
electrical	formatting processes	automated system architecture	mechatronics systems workshop	technical English	
electricity and electronics	workshop of methods and methods of production 2	hydraulic system technologies and	modeling of mechatronics systems	right to work	
electricity workshop	crude production processes	pneumatic	English	Op 1: Robotics	
	law	techniques of communication	techniques of communication	Mini Project 3.1 CFAO	
	techniques of communication	English	business management	Op 4.1: Automotive Diagnostics	
	English	business culture	Op2.2: techniques of Maintenance	Mini Project 4.1 Automotive Diagnostics	
	C2i	Mop1.1: Mechanical design	Op2.1: Monitoring techniques		
		Mechanical Design Workshop	Mini-project		



CIVIL ENGINEERING DEPARTMENT

The objective of civil engineering Department within the Higher Institute of Technological Studies of Rades is to train middle managers in civil engineering capable of assisting the engineers in the design offices (studies of construction or rehabilitation of buildings, roads, structures ...), to ensure the follow-up of works on building sites or perform technical tasks in building material manufacturing plants and in soil, concrete or building materials testing laboratories.

Students find in the department three courses in license :



Main domain : <i>Civil engineering</i>					
Specialty (path) : <i>Building</i>					
SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4	SEMESTER 5	SEMESTER 6
Applied physics	mechanics of fluids	reinforced concrete 1	reinforced concrete 2	site planning and organization	Internship 1
Applied Mathematics and Computer Science	Mathematics	Geotechnical 1	Geotechnical 2	equipment and installation	Internship 2
Static mechanics	structure analysis 1	structure analysis 2	acoustic	site planning and organization workshop	Final project internship
General topography 1	General topography 2	Steel frame	thermic	metric and price estimation	
Topography workshop 1	Topography workshop 2	Geotechnical 1 laboratory	Geotechnical 2 laboratory	mini-project building	
Construction materials 1	Construction materials 2	Safety of construction site	hydraulic	prefabrication	
construction materials laboratory 1	construction materials laboratory 2	CAO frame workshop	CAO concrete workshop	Finishing and decoration	
initiation to the construction sector	general construction processes	central and construction machinery CCM	reinforced concrete laboratory	pathology and renovation workshop	
construction workshop	structure analysis 1 laboratory	structure analysis 2 laboratory	hydraulic laboratory	low energy building	
French 1	French 2	Communication techniques 1	Communication techniques 2	Communication techniques 3	
English 1	English 2	specific english 1	specific english 2	specific english 3	
Human rights	urban planning and development	load descent calculation LDC	Thermic& acoustic workshop	Entrepreneurial culture	
C2i	Mathematics workshop	CCM workshop	roads and utilities(VRD) workshop	urban hydraulics	
drawing applied to civil engineering 1	drawing applied to civil engineering 2	computer Assisted drawing CAD	markets and regulation	roads and utilities(VRD) Workshop	
	C2i		survey and implementation	prestressed concrete technology	
				Seminars	
				Quality	

Main domain : <i>Civil engineering</i>					
Specialty (path) : <i>Piloting of construction site</i>					
SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4	SEMESTER 5	SEMESTER 6
Applied physics	mechanics of fluids	reinforced concrete	workshop installation of construction site	project management	Internship 1
Applied Mathematics and Computer Science	Mathematics	computer Assisted drawing CAD	survey and implementation	site planning 2	Internship 2
Static mechanics	structure analysis 1	structure analysis 2	site preparation and installation	site planning 2 workshop	Final project internship
General topography 1	General topography 2	geomatics workshop	survey and implementation workshop	metric and price estimation	
Topography workshop 1	Topography workshop 2	Geotechnical	site planning and organization	project management and accounting	
Construction materials 1	Construction materials 2	Safety of construction site	hydraulics & roads and utilities (VRD)	Quality Control	
construction materials laboratory 1	construction materials laboratory 2	bitumen workshop	Steel frame	markets and regulations	
initiation to the construction sector	general construction processes	central and construction machinery CCM	reinforced concrete workshop	Quality Control workshop	
construction workshop	structure analysis 1 laboratory	structure analysis 2 laboratory	hydraulic workshop	Pathology of constructions	
French 1	French 2	Communication techniques	Communication techniques	Communication techniques	
English 1	English 2	specific english	specific english	specific english	
Human rights	urban planning and development	road topography	workshop planning	Entrepreneurial culture	
C2i	Mathematics workshop	CCM workshop	reinforced concrete workshop	Technology of the Structures	
drawing applied to civil engineering 1	drawing applied to civil engineering 2	computer Assisted drawing CAD	Building physics	Technology of the Structures workshop	
	C2i	road construction technique	Building physics workshop	computer Assisted design CAD/design workshop	
				Seminars	

Main domain : <i>Civil engineering</i>					
Specialty (path) : <i>public works</i>					
SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4	SEMESTER 5	SEMESTER 6
Applied physics	mechanics of fluids	reinforced concrete 1	reinforced concrete 2	site planning and organization	Internship 1
Applied Mathematics and Computer Science	Mathematics	Geotechnical 1	Geotechnical 2	Engineering structures	Internship 2
Static mechanics	structure analysis 1	structure analysis 2	Steel frame	site planning and organization workshop	Final project internship
General topography 1	General topography 2	road construction 1	road construction 2	metric and price estimation	
Topography workshop 1	Topography workshop 2	Geotechnical 1 laboratory	Geotechnical 2 laboratory	special works technology	
Construction materials 1	Construction materials 2	Safety of construction site	hydraulics and hydrology	Engineering structures workshop	
construction materials laboratory 1	construction materials laboratory 2	bitumen workshop	roads and utilities (VRD)	SIG workshop	
initiation to the construction sector	general construction processes	central and construction machinery CCM	reinforced concrete laboratory	Pathology of road and structures Workshop	
construction workshop	structure analysis 1 laboratory	structure analysis 2 laboratory	hydraulic laboratory	Energy Consumption Building	
French 1	French 2	Communication techniques 1	Communication techniques 2	Communication techniques 3	
English 1	English 2	specific english 1	specific english 2	specific english 3	
Human rights	urban planning and development	computerized topography workshop	computer Assisted design CAD/design workshop	Entrepreneurial culture	
C2i	Mathematics workshop	CCM workshop	CAD/design roads workshop	urban hydraulics	
drawing applied to civil engineering 1	drawing applied to civil engineering 2	computer Assisted drawing CAD	markets and regulation	roads and utilities (VRD) Workshop	
	C2i		survey and implementation	prestressed concrete technology	
				Seminars	
				Quality	



Contact :

Erasmus+ Contact point, ISET Rades : mouniraayadi@gmail.com

Address : BP 172 rue El Qods, Radès El Médina 2098

Tél : (+216) 71 460 317

Fax: (+216) 71 442 322

Site: www.isetr.rnu.tn

Fb : [Institut Supérieur des Etudes Technologiques de Rades Iset Rades](#)