

# 1. 法国图尔大学综合理工学院预科班，包括相关理工科专业的 预科知识及法语培训，教学安排如下：

Computer science	Electronics and energy systems	Mechanics and system design	Urban and territorial planning and environment
<p><b>SEMESTER 5 (200h)</b></p> <ul style="list-style-type: none"> <li>Algorithms</li> <li>Introduction to software engineering</li> <li>Project</li> <li>Illustration of an operating system: Unix</li> <li>Data bases</li> <li>Scientific English</li> </ul> <p><b>SEMESTER 6 (200h)</b></p> <ul style="list-style-type: none"> <li>Object programming UML</li> <li>C++ programming</li> <li>Java programming</li> <li>Synchronizing tool</li> <li>Distributed systems</li> <li>English for specific purposes</li> <li>Project management, participative process</li> <li>Internship</li> </ul>	<p><b>SEMESTER 5 (200h)</b></p> <ul style="list-style-type: none"> <li>Electrotechnics</li> <li>Automated systems</li> <li>Power electronics : DC-DC conversion</li> <li>Fondamentals in electronic circuits</li> <li>Basic functions of electronic systems</li> <li>Practical works and CAD in electronics I : analogue and digital circuits</li> <li>Scientific English</li> </ul> <p><b>SEMESTER 6 (200h)</b></p> <ul style="list-style-type: none"> <li>Flow and Resource Management</li> <li>Sensors</li> <li>Data acquisition</li> <li>Production, transportation and distribution of electrical energy</li> <li>Energetic system sizing</li> <li>Project in electronics</li> </ul> <ul style="list-style-type: none"> <li>English for specific purposes</li> <li>Project management, participative process</li> <li>Internship</li> </ul>	<p><b>SEMESTER 5 (200h)</b></p> <ul style="list-style-type: none"> <li>Electrotechnics</li> <li>Automated systems</li> <li>Material science</li> <li>Mechanical construction</li> <li>Scientific English</li> </ul> <p><b>SEMESTER 6 (200h)</b></p> <ul style="list-style-type: none"> <li>Flow and Resource Management</li> <li>Sensors</li> <li>Data acquisition</li> <li>Fluid mechanics</li> <li>Project in mechanical construction</li> <li>Specifications</li> <li>English for specific purposes</li> <li>Project management, participative process</li> <li>Internship</li> </ul>	<p><b>SEMESTER 5 (200h)</b></p> <ul style="list-style-type: none"> <li>Ecology</li> <li>Environment laws</li> <li>Sociology</li> <li>Economics</li> <li>Theory of planning and urban design</li> <li>Drawing and spatial representation</li> <li>Scientific English</li> </ul> <p><b>SEMESTER 6 (200h)</b></p> <ul style="list-style-type: none"> <li>Earth Sciences</li> <li>Hydrology</li> <li>Environmental evaluation</li> <li>Urban planning Laws</li> <li>Urban design</li> <li>Planning and project</li> <li>English for specific purposes</li> <li>Project management, participative process</li> <li>Internship</li> </ul>

Each specialty curriculum is completed with a curriculum in French as a second language :

<p><b>SEMESTER 5 (200h)</b></p> <ul style="list-style-type: none"> <li>FSL</li> <li>Grammar</li> <li>Speaking workshop</li> <li>Writing workshop</li> <li>Geography</li> <li>History</li> <li>Life in France and intercultural issues</li> <li>Methodology</li> <li>Cultural activities</li> </ul>	<p><b>SEMESTER 6 (200h)</b></p> <ul style="list-style-type: none"> <li>FSL</li> <li>Grammar</li> <li>Speaking workshop</li> <li>Writing workshop</li> <li>Preparing for the TCF</li> <li>Institutions</li> <li>Current affairs</li> <li>Business French</li> <li>Drama</li> </ul>
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2. 法国奥尔良大学综合理工学院预科班，包括相关理工科专业的预科知识及法语培训，教学安排如下：

### MUNDUS Year 1<sup>st</sup> semester

FLE	French as a Foreign Language - FLE 1	
	M5F01	Written FLE
	M5F02	Spoken FLE
M5ANG	English 1	
M5ACI	Cultural activities for language immersion	
<b>Specialty in Electronic and Optical Eco-technologies (EO)</b>		
M5EO	Subjects specialized in Electronic and Optical Eco-technologies 1	
	M5E07	Multimedia
	M5E08	Programming C++
<b>Specialty in Civil and Geo-environmental Engineering (GC)</b>		
M5GC	Subjects Specialized in Civil and Geo-environmental Engineering 1	
	M5C02	Autocad
	M5C03	Geology
	M5C04	Geotechnics
<b>Specialty in Industrial Engineering applied to Cosmetics, Pharmacy and Food-Supply Chain (GI)</b>		
<b>M5GI</b>	Subjects specialized in Industrial Engineering 1	
M5N01		Engineering Sciences
M5N02		Lean ManufacturingTools
M5N03		IE applied to Pharmacy, Cosmetics and Food-Supply Chain
<b>Specialty in Innovation in Concepts and Materials (ICM)</b>		
M5IN	Subjects specialized in Innovation in Concepts and Materials 1	
	M5I01	Mechanics and Technology 1
	M5I02	Materials and Thermodynamics
<b>Specialty in Technologies for Energy, Aerospace Engineering and Motorization (TEAM)</b>		
M5TE	Subjects specialized in Technologies for Energy, Aerospace Engineering and Motorization 1	
	M5T01	Thermodynamics and Heat Transfers
	M5T02	Introduction to Design Tools

## MUNDUS Year 2<sup>nd</sup> semester

<b>M6FLE</b>	French as a Foreign Language - FLE 2	
	<b>M6F01</b>	Written FLE
	<b>M6F02</b>	Spoken FLE
<b>M6ENG</b>	English 2	
<b>M6ACU</b>	Cultural Workshops	
<b>M6ACI</b>	Cultural activities for language immersion	
<b>Specialty in Electronic and Optical Eco-technologies (EO)</b>		
<b>M6EO3</b>	Subjects specialized in Electronic and Optical Eco-technologies 2	
	<b>M6E13</b>	Lighting
	<b>M6E14</b>	Computing
<b>Specialty in Civil and Geo-environmental Engineering (GC)</b>		
<b>M6GC1</b>	Subjects Specialized in Civil and Geo-environmental Engineering 2	
	<b>M6C04</b>	Geochemistry
	<b>M6C03</b>	Strength of Materials
<b>Specialty in Industrial Engineering applied to Cosmetics, Pharmacy and Food-Supply Chain (GI)</b>		
<b>M6GI</b>	Subjects specialized in Industrial Engineering 2	
	<b>M6N01</b>	Environment, Health and Safety applied to Pharmacy, Cosmetics and Food-Supply Chain
	<b>M6N02</b>	Engineering applied to Pharmacy, Cosmetics and Food-Supply Chain
<b>Specialty in Innovation in Concepts and Materials (ICM)</b>		
<b>M6IC</b>	Subjects specialized in Innovation in Concept and Materials 2	
	<b>M6I01</b>	Mechanics and Materials
	<b>M6I02</b>	Electrical and Automated Engineering
<b>Specialty in Technologies for Energy, Aerospace Engineering and Motorization (TEAM)</b>		
<b>M6TE</b>	Subjects specialized in Technologies for Energy, Aerospace Engineering and Motorization 2	
	<b>M6T01</b>	Mechanics of Fluids
	<b>M6T02</b>	Vehicles and Energy Systems
	<b>M6PR1</b>	Scientific Project (specific to specialties 3+3)