

## Doctorate in Science

| Domain  | Branch                            | Specialty                                     |                           |
|---|-----------------------------------|---|---------------------------|
| D<br>S<br>P                                       | law                               | Administration and Finance                    |                           |
|   |                                   | Contracts and Liability                       |                           |
|   |                                   | Administrative Law                            |                           |
|   |                                   | Business Law                                  |                           |
|   |                                   | International Law and International Relations |                           |
|   |                                   | Private Law                                   |                           |
|   | Legal and Administrative Sciences | Administration and Finance                    |                           |
|   |                                   | Contracts and Liability                       |                           |
|   |                                   | Business Law                                  |                           |
|   |                                   | Contract Law                                  |                           |
|   |                                   | International Law and International Relations |                           |
|   |                                   | Private Law                                   |                           |
|   | M<br>I                            | Computer Science                              | Computer Science          |
|   |                                   |   | Computer Network Security |
| Software Specification and Information Processing |                                   |   |                           |
| Information and Knowledge System                  |                                   |   |                           |
| Computer Systems and Software Engineering         |                                   |   |                           |
| Mathematics                                       |                                   | Partial Differential Equations                |                           |
|   |                                   | Probability - Statistics                      |                           |
|   |                                   | Accounting                                    |                           |

|                  |                     |   |   |                      |
|------------------|---------------------|---|---|----------------------|
| S<br>E<br>G<br>C | Management Sciences | Corporate Finance<br>Organizations Management<br>Management   |   |                      |
|                  | Economic Sciences   | Quantitative Economics<br>Financial Economies and Banks<br>Management Marketing<br>Marketing  |   |                      |
| S<br>M           | Physics             | Physics of Materials<br>Materials Science   |   |                      |
|                  | Chemical Sciences   | Biotechnology and Environment<br>Analytical Chemistry<br>Applied Chemistry<br>Chemistry of Materials<br>Chemistry and Environment<br>Theoretical Chemistry<br>Electrochemistry<br>Physics - Chemistry of Materials<br>Materials Science |   |                      |
|                  |                     | Physical Sciences   | Energetics and Fluid Mechanics<br>Energetics , Mechanics and Materials<br>Renewable Energies<br>Fluid Mechanics and Rheology<br>Physics of Matter and Radiation<br>Physics of the Earth<br>Physics of Materials |                      |
|                  |                     |   |   | Physics of Materials |

|             |                                     |   |
|-------------|-------------------------------------|---|
| S<br>M      | Physical Sciences                   | Plasma Physics                                |
|             |                                     | Physics of the Seismic Focus                  |
|             |                                     | Theoretical Physics                           |
|             |                                     | Sciences of the Matter                        |
|             |                                     | Materials Science                             |
|             |                                     | Nuclear Sciences                              |
|             |                                     | Signal Processing                             |
|             |                                     | Pressure Signal Processing in Fluid Mechanics |
|             |                                     | Medical Imaging Signal Processing             |
| S<br>N<br>V | Biology                             | Biology-Immunology                            |
|             | Agronomic Sciences                  | Plant Protection                              |
|             | Biological Sciences                 | Human Biochemistry and Cell Biology           |
|             |                                     | Biochemistry and Applied Microbiology         |
|             |                                     | Microbial Biology                             |
|             |                                     | Microbial Biotechnology                       |
|             |                                     | Ecology and Environment                       |
|             |                                     | Eco-Toxicology                                |
|             |                                     | Entomology                                    |
|             |                                     | Environmental Microbiology                    |
|             | Adsorbents and Catalysts            |   |
|             | Chemistry of Matter and Environment |   |
|             | Environmental Chemistry             |   |
|             | Physical Chemistry of Polymers      |   |
|             | Corrosion Electrochemistry          |   |
|             | Electrochemistry - Corrosion        |   |
|             | Process Ergonomics and Environment  |   |

**ST**

Process Engineering <sup>2</sup>

Food Engineering

Chemical Engineering

Environmental Engineering

Polymer Engineering

Polymer and Composite Engineering

Process Engineering

Pharmaceutical Industry

Petrochemicals

Polymers and Composites

Hydrocarbon Production and Well Drilling

Refining

Hydrocarbon Refining

Food Technology

Hydrocarbon Technology

Water Treatment

Treatment of Industrial Effluents

Automatic

Applied Automatic

Applied Automation and Signal Processing

Automatic and Industrial Computing

Applied Automation and Signal Processing

Automation and Electrification of Industrial Processes

Control, Protection and Systems Diagnosis

Energy economy

electrotechnics

Industrial Electrical Equipment

**ST**

**Electrical Engineering**

- System Reliability
- Electrical Engineering
- Electrical and Electronic Engineering
- Electrical Engineering and Electrotechnics
- Infotronics
- Electronic Systems Engineering
- Computer Engineering
- Mechatronics
- Micro-Electronics
- Telecommunications
- Signal Processing
- Signal and Image Processing
- Automatic
- Electronics

**Electrical Engineering and Electrotechnics**

- Automatics and Signal Processing
- Electronics
- Electrotechnics
- Industrial Electrical Equipment
- Electrical Engineering
- Infotronics
- Mechatronics
- Telecommunications
- Acoustics and Materials
- Mechanical Engineering
- Energy Conversion
- Motor Dynamics and Vibroacoustics
- Electro-Energy

ST

Mechanical Engineering

- Energetic
- Energetic and Fluid Mechanics
- Energetic, Mechanics and Materials
- Renewable Energies
- System Reliability
- Reliability and Industrial Maintenance
- Materials Engineering
- Industrial Engineering
- Mechanical Engineering
- Mechanical and Production Engineering
- Industrial Systems Maintenance
- Maintenance and Operational Safety
- Industrial Maintenance
- Energetic Project Management

**Materials**

ST

Mechanical Engineering

- Applied Mechanics
- Fluid Mechanics
- Fluid Mechanics and Energetic
- Fluid Mechanics and Heat Transfer
- Solid Mechanics
- Mechanics and Engineering
- Mechatronics
- Modeling in Mechanics
- Modeling and Simulation in Mechanics
- Modeling and Simulation in Energetic
- Productics

|           |                        |   |
|-----------|------------------------|---|
| <b>ST</b> |                        | Robotics                                      |
|           |                        | Robotics, Mechanical Systems                  |
|           |                        | Advanced Energy Systems                       |
|           |                        | Thermic                                       |
|           |                        | Heat Transfer (Thermal)                       |
|           |                        | Thermic Transfer                              |
|           |                        | Economic Sciences                             |
|           |                        | Energy Planning and Management                |
|           |                        | Chemistry of Matter and Environment           |
|           |                        | Sciences and Material Engineering             |
|           |                        | Green Chemistry and Environment               |
|           |                        | Elaboration and Characterization of Materials |
|           |                        | Materials Engineering                         |
|           |                        | Materials                                     |
|           | Structural Materials   |   |
|           | Mechanics of Materials |   |

**STU**

Hydrocarbons

Sciences of the Earth and  
the  
Universe

Physical Chemistry of Materials

Physics - Chemistry of Mineral Materials

Physics of Materials

Physics and Mechanics of Materials

Science and Material Engineering

Electrical Engineering

Mechanical Engineering

Geophysical Methods and Signal Processing

Research and prospection of Hydrocarbons  
and  
Useful Minerals

Seismic, Seismology and Potential Methods