



## DOCTORAL PROGRAM

## PHYSICS, CHEMISTRY AND MATERIAL SCIENCES- SDM

### SCIENCES & TECHNOLOGY

### DOCTORAL PROGRAM MEGeP :

 <http://www.edsdm.ups-tlse.fr/>  
 [ed-sdm@univ-toulouse.fr](mailto:ed-sdm@univ-toulouse.fr)

#### SCIENTIFIC DOMAINS

- Theoretical physics
- Statistical physics
- Biophysics
- Theoretical and computational chemistry
- Molecular modelling and dynamics
- Atomic and molecular clusters
- Laser-matter interaction
- High magnetic fields
- Electronic and optical spectroscopy
- Materials
- Nanomaterials
- Biomaterials
- Multifunctional materials
- Transition metal chemistry
- Molecular chemistry
- Heterochemistry
- Polymers
- Biochemistry
- Catalysis
- Agro-industrial chemistry

#### KEY FIGURES

- 400 students (1/3 foreign students)
- 500 researchers and academics
- 110 PhD awarded per year
- 15 laboratories

#### RESEARCH LABORATORIES

- **CEMES** - Center for Materials Elaboration and Structural Studies: <http://www.cemes.fr>
- **CIRIMAT** - Research and Engineering Center for Materials: <http://www.cirimat.cnrs.fr>
- **LCAR** - Lab. for Collisions, Clusters, and Reactivity: <http://www.lcar.ups-tlse.fr>
- **LAAS** - Lab. for Analysis and Architecture of Systems: <http://www.laas.fr/NBS> and <http://www.laas.fr/N2IS>
- **LCA** - Lab. for Agro-Industrial Chemistry: <http://lca.ensiacet.fr>
- **LCC** - Lab. for Transition-Metal Chemistry: <http://www.lcc-toulouse.fr>
- **LCPQ** - Lab. for Quantum Chemistry and Physics: <http://www.lcpq.ups-tlse.fr>
- **PHARMA-DEV** - Lab. for Pharmacochemistry and Pharmacology for Development: <http://www.pharmadev.ird.fr>
- **LPCNO** - Lab. for Physics and Chemistry of Nano-Objects: <http://lpcno.insa-toulouse.fr>
- **LPT** - Lab. of Theoretical Physics: <http://www.lpt.ups-tlse.fr>
- **SPCMIB** - Lab. Synthesis and Physico-Chemistry of Molecules of Biological Interest: <http://spcmib.ups-tlse.fr>
- **IMRCP** - Lab. Molecular Interactions and Chemical and Photochemical Reactivity: <http://imrcp.ups-tlse.fr>
- **LGP** - The Production Engineering Research Laboratory: <http://www.enit.fr/fr/recherche/le-laboratoire-genie-de-production-1.html>
- **LHFA** - Lab. for Fundamental and Applied Hetero-chemistry: <http://lhfa.cnrs.fr/>
- **LNCMI** - High Magnetic Field National Laboratory Toulouse: <http://www.toulouse.lncmi.cnrs.fr>