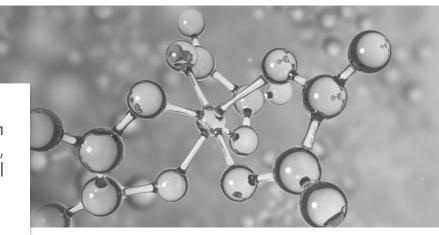


MASTER OF SCIENCE

Applied Formulation of Polymers and Colloids



From January to March, three month courses in Marcomolecular Engineering and Formulation, including experimental training and a personal project in cooperation with an industrial partner.

COURSES

With the participation of industrial partners: Arkema, BASF, Dow Corning, L'Oréal, Michelin...

MODULE 1 [67H]

FORMULATION: BASIC CONCEPT AND TOOLS

- FORMULATION: PRINCIPLES AND APPLICATIONS
- → POLYMERS AND SURFACANTS IN SOLUTION
- POLYMERS AND SURFACANTS AT INTERFACES
- ¬ SUSTAINABLE CHEMISTRY, ECODESIGN

Applications in Cosmetics, Detergency, Building materials...

MODULE 2 - [71H]

NANO- AND MESO-ORGANIZATION IN SOFT MATTER

- CONTROLLED POLYMERIZATIONS
- SELF-ASSEMBLING
- LATEX AND PARTICLES
- FOAMS AND EMULSIONS
- HYBRID MATERIALS AND NANOCOMPOSITES

Applications in Coatings, Nanomedicine, Biomaterials...

MODULE 3 - [72H]

CHARACTERIZATIONS OF FORMULATED SYSTEMS

- IMAGING TECHNIQUES
- → SPECTROSCOPY
- CHROMATOGRAPHY
- RHEOLOGY
- WAVE SCATTERING

CALENDAR

September to November

International students start with a 3 months internship in one of the academic partner laboratories.

French lessons

January to March

3 months courses

December

1 month opening module to choose among: Innovation/ Geoeconomy / Marketing & purchasing / Wine & Marketing / Aromas, Flavour...

April to August

5 months internship



PRICE: 7 300€

APPLY ONLINE AT enscbp.bordeaux-inp.fr

Applications in Polymer materials, Adhesives, Paints...



and its partner schools



graduate schools of Engineering in France

3400* students

(selected through national competitive exam)

+900 students graduate*

12% international students

programs

including 5 by
apprenticeship

230 faculty member



ipoint joint research centers

140 partnerships worldwide

"groupe Bordeaux INP Nouvelle-Aquitaine

ENSCBP - Bordeaux INP

Graduate School of Chemistry, Biology and Physics

The Master of Science « Applied Formulation of Polymers and Colloids », delivered by Bordeaux INP, is fully in English and has been established by ENSCBP - Bordeaux INP as an answer to the rapid evolution on today's needs in industry and academics, allowing the students to adapt efficiently to the most recent technological innovations. It is based on the well-established know-how of ENSCBP - Bordeaux INP and its partner laboratories concerning topics at the interface between Chemistry, Physics and Biology. ENSCBP - Bordeaux INP is one of the 7 graduate schools of Bordeaux INP.









KEY FIGURES

5 engineering training courses (Master)

- Chemistry Physics
- Food Science
- Materials Engineering
- Structural Analysis of Composite Materials
- Food Production

3 Masters of Science

- Applied Formulation of Polymers and Colloids
- Inorganic Materials Design and Processing
- Micro- and Nanotechnology

8 joint research centers

in the following fields: Chemistry, physics, Nutrition, Neuroscience, Oenology, Polymer, Condensed Matter, Molecular Science, Materials & System Integration, Nano Objects

64 academics and researchers

100 PhD, post-docs

2 industrial chairs

- Nanostructured materials based on carbon nanotubes or block co-polymers
- Valorization of Maritime Pine chemistry

2629m² dedicated to technology transfer activities

TERNATIONAL

75% graduate students with international experience

10% international students

Involved in several international programs : ERASMUS+, FITEC...



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MINISTÈRE DE L'ENSEIGNEMENT SUPÉRIEUR, DE LA RECHERCHE ET DE L'INNOVATION







