**ACADEMIC COOPERATION**
Consortium of 9 universities:
› Belgium: Université Catholique Louvain, Université de Liège.
› Canada: University of Waterloo.
› France: Institut Polytechnique de Grenoble, Université de Cen Basse-Normandie, Université Pierre et Marie Curie Paris, University of Bordeaux.
› Germany: Technische Universität Darmstadt.
› Portugal: Instituto Superior Tecnico Lisbon.

European Multifunctional Materials Institute (EMMI)
www.emmi-materials.eu

**LEVEL**
Double doctoral degree in Functional Materials.

**PROGRAM DURATION**
3 or 4 years (180 or 240 ECTS).

**ADMISSION REQUIREMENTS**
Candidates must have:
› A Master in material science or physical chemistry / chemistry / engineering with a speciality in the field of materials.

**LANGUAGE REQUIREMENTS**
The teaching language is 100% English.
› English: certifiable equivalent of TOEFL score of 550/213/79-80 or IELTS score of 6.0

**TUITION FEES**
Erasmus Mundus scholarship holders
› The fellow receives a living allowance (salary) on a monthly basis according to the conditions laid down in the employment contract (2,800€/month gross salary).
› He/she is hired by the home institute (where the research project is mainly conducted).

depending on their nationality, PhD candidates may obtain a travel allowance:
› Non-European students, not eligible for the 12-month rule: 7,500€
› European students in the case the research project includes mobility in a third country: 3,000€

No fee is required from the doctoral candidate with an Erasmus Mundus fellowship.

The departments in which the doctoral candidate performs his/her research also cover expenditures related to the candidate’s research activity.

Non-scholarship holders
› The amount of the gross salary will depend on the funding (scholarships from the partner institutions and from local authorities).

The IDS FunMat program is an international, high-quality doctorate in Functional Materials covering the domains of energy, information, technology and health.
This program is built upon the expertise of nine universities, leaders in the field, and 17 associated partners (companies, research governments and organizations, and training consultancies).
The consortium provide a large scope of research projects (34 laboratories involved), and includes international mobility and the participation of industry players.

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**College of Science and Technology**
Program structure

Each PhD is carried out in co-supervision between universities from two different countries. For most projects, an industry partner is also involved. The PhD candidates must spend at least six months in each university.

The common elements of all projects are:

› International and intersectoral mobility: each project is co-supervised by two universities from different countries (see “Academic cooperation”), and the candidate must spend at least six months in each university.
› Involvement of projects with industry. Most projects also have an industry partner, and interaction and collaboration with industry is a requirement.
› Duration of the PhD projects should be three years, the maximum duration is four years.
› Participation of candidates in an annual joint training school. This school lasts five to six days, and covers both scientific training and “transferable skills” such as Project Management, Intellectual Property Rights, Presentation Techniques etc.
› Preparation of an annual laboratory seminar and short written report.
› Submission of one or more scientific publications in refereed journals.
› Participation in an international scientific conference with an oral or poster presentation by the candidate.

The PhD degree is finally obtained with the submission of a thesis, and an oral presentation before a committee, both delivered in the English language.

Strengths

› International high-quality doctorate program.
› International mobility.
› Participation of key industrial players.

And after?

After completion of this PhD, graduates may start working as scientists in universities, research centers and R&D units within companies.

How to apply?

Online application:
www.idsfunmat.u-bordeaux1.fr

Contact

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