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## Launched in 2014 by the ECPM and the ESBS, the ChemBioTech diploma (Chemistry and Biotechnologies) trains trilingual engineers in 4 disciplinary fields: biology, molecular chemistry, chemical and biotechnological engineering and bio-analytical sciences.

## This unique combination of skills is now at your disposal to sustain your development of new technologies and solve industrial problems in the areas of environment, health and cosmetics.

## The industrial mission is a problem-solving pedagogical exercise run by a student team of 5 to 7 engineering students, including a project manager.

## Your team will analyze your industrial issue, make a bibliographical study, draft specifications, search and select the most suitable concepts and study their technical and economic feasibility and draw a project outline.

The team is supervised by:

* your enterprise regarding technical aspects
* a university professor/researcher regarding scientific aspects
* a professional regarding managerial aspects

This whole work favors a multidisciplinary approach in close collaboration with your teams in the form of regular working meetings at the school, at your office or remotely.

**Examples of subjects**

Research of methods for recycling of chemical compounds (plastics, solvents, metallurgical waste)

Selection of chemical and/or biological solutions to recycling industrial process waters

Preliminary design / specifications of biological production process

Design of analytical method in production

Feasibility study of biosensors concepts

Feasibility study of chemical and biotechnological synthesis

Study of the biomass degradability/conversion by bacteria

Research and selection of bio-based materials

**Time period**: 6 months - from mid-Sept to mid-March

**Duration:** 400 to 500 work hours, including 7 collaborative work sessions of 3.5 hours each

**Evaluation**: written report and oral presentation

**Participation to costs**: a fee of 2.850€ is requested for the industrial project (including supervision, travel expenses, use of software, access to bibliographical databases, etc.).

Any other provision of service will be estimated.

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| **YOUR ISSUE** | | |
| **Title** | |  |
| **Context**  (Please describe the technical and economic environment of your project) | |  |
| **Description of the technical issue** | |  |
| **Goal of the project** | |  |
| **Major focus**  **□** Concept search  **□** Feasibility study  **□** Optimization of process/concept | | **□** Draft  **□** Enhancement of an existing solution  **□** Technical benchmarking |
|  | | |
| **Coordinates** | | |
| **Company name** |  | |
| **Address** |  | |
| **Postcode** |  | |
| **City** |  | |
| **Your name** |  | |
| **Your position** |  | |
| **Tel.** |  | |
| **Email** |  | |

Date:

Signature:

**Please send this form until July, 13th to Patrick Filizian (patrick.filizian@unistra.fr)**