



# Internship research



Niveau d'étude  
BAC +4



ECTS  
10 crédits



Composante  
Faculté des  
Sciences

## En bref

- › **Date de début des cours:** 1 sept. 2021
- › **Langue(s) d'enseignement:** Anglais
- › **Méthode d'enseignement:** En présence
- › **Organisation de l'enseignement:** Formation initiale
- › **Ouvert aux étudiants en échange:** Non

## Présentation

### Description

This module is devoted to an internship of 3 months minimum in a research laboratory or industry.

### Objectifs

getting familiar with the conduction of a research/R&D project

- Synthesis and physico-chemical characterization of materials
- Developing skills in research work using the initiative, the autonomy and the student's curiosity
- literature survey

-use of classical synthesis methods in solid state chemistry : solid state reaction, sol-gel method ..

-characterization by traditional methods used in Materials Science: X-ray diffraction, electron diffraction thermogravimetric analysis, UV-visible and IR spectroscopy, Imaging techniques, Conduction measurements...

### Contrôle des connaissances

The final grade will be the average between internship tutor's grade, presentation grade and internship report grade.

### Syllabus

This module is devoted to an internship of 3 months minimum in a research laboratory or industry.

- Choice of the internship topic
- Getting organized and conduct a research project in an operating research group
- Literature analysis and summarizing the state of the art of the research topic
- Needs analysis and definition of the research project
- Laboratory work: synthesis/characterization of materials
- Scheduling and exercising the necessary tasks for the research project



- Documentation (written internship report) and presentation (oral PowerPoint presentation)

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## Informations complémentaires

Contact(s) administratif(s) : Secrétariat Master Chimie   
[master-chimie@umontpellier.fr](mailto:master-chimie@umontpellier.fr)

## Infos pratiques

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### Contacts

Responsable pédagogique

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### Lieu(x)

➤ Montpellier - Triolet