



# 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

-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.

## 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

### 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)

---

## Informations complémentaires

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

## Infos pratiques

---

### Contacts

Responsable pédagogique

Angelique LEBRANCHU

✉ [angelique.lebranchu@umontpellier.fr](mailto:angelique.lebranchu@umontpellier.fr)

Responsable pédagogique

Werner PAULUS

✉ [werner.paulus@umontpellier.fr](mailto:werner.paulus@umontpellier.fr)

---

### Lieu(x)

➤ Montpellier - Triolet