



**INSTITUTE FOR
MOLECULAR SYSTEMS
ENGINEERING AND
ADVANCED MATERIALS**



**UNIVERSITÄT
HEIDELBERG**
ZUKUNFT
SEIT 1386

MSSE Sample Program Plan

Semester	Compulsory modules	Compulsory elective modules
1 st semester	Data and Project Management	Research Subject MSSE I (3/5) each subfield 6 ECTS <ul style="list-style-type: none"> - Energy Conversion - Molecular Engineering - Biomaterials - Nanosystems - Philosophy and Ethics in the Engineering Sciences Research Subject MSSE II (1/4) 6 ECTS <ul style="list-style-type: none"> - Specialization (Macro)Molecular Engineering - Specialization Life-inspired Molecular Systems - Specialization Physics of Functional Materials - Specialization Physics and Biological Principles of Sensing
2 nd semester	Creative Science Lab Technology Transfer	Research Subject MSSE III (2/4); each subfield 6 ECTS <ul style="list-style-type: none"> - Functional Organic Materials - Synthetic Biosystems - Advanced Macromolecular Chemistry - Physics of Molecular Systems Science and Engineering
3 rd semester	Scientific Specialization Methods and Project Planning	
4 th semester	Master Thesis (including colloquium)	

Important Information, Requirements, and Deadlines

- **You can find all forms on the website-**
- To be admitted to the Scientific Specialization and Methods and Project Planning compulsory modules, you must have completed the compulsory module Creative Science Lab and the elective modules Research Subject MSSE I and Research Subject MSSE II.
- To be admitted for a Master's thesis, you must have completed the Scientific Specialization and Methods and Project Planning compulsory modules → please hand in the evaluation forms of the lab rotations to the IMSEAM secretary office (Henrike Zimmermann, either in person or via mail); if evaluation of your last lab rotation is preventing you from starting your master thesis, you can use the option of a "certificate Module passed"- please find all forms on the website
- To begin your Master's thesis, you are required to submit a written application for admission at the IMSEAM secretary office (Henrike Zimmermann, either in person or via mail). Important: This application must be submitted within two weeks after completing either the Scientific Specialization or Methods and Project Planning module (whichever is completed last) and must already include your proposed topic/title. Please find the application form on the website.
- The period between handing in your application (which is considered receiving the topic of your Master's thesis as written in the "Prüfungsordnung") and the submission deadline is six months. Please submit your master thesis to the IMSEAM secretary office. One printed version and as PDF via e-Mail.

- After submission, you are required to present your findings to your examiners during a colloquium. This should take place shortly before or after submitting the written thesis.
- Please note that the evaluation of your thesis may take six to eight weeks, depending on your examiners' schedules (e.g., conferences, paper deadlines, etc.). Make sure to communicate with your examiners early and follow up if you need a faster evaluation (e.g., if your PhD contract starts shortly after submission).
- Depending on when you begin your thesis, you may be required to pay semester fees for the next semester, even if you need them for only a short period. It is, however, possible to receive a partial refund based on the time between the start of the semester and your exmatriculation.