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Aalto University
School of Chemical
Engineering



Master's Programme in Chemical, Biochemical and Materials Engineering

Chemistry Major

8.9. 2021 Lasse Murtomäki and Minna Marin

Agenda

1. **Who are we? Getting to know each other**
2. **Personnel of the major**
3. **Degree and major structure**
4. **Special arrangements in Autumn 2021**
5. **Student guidance and coaching**
6. **Practical study matters**
7. **Meeting the academic advisors**

Who are we?

A short presentation of everyone present

Please tell briefly something about yourself to others, for example:

- Your name
- The country you are from
- Are you studying on campus or remotely?
- What do you expect from the forthcoming academic year 2021-2022?



Learning services



Photo: Unto Rautio

Student advisor: Melissa Hendrén
msc-advisors-chem@aalto.fi

Study secretary: Kati Sumu
studies-chem@aalto.fi

Planning officer: Minna Marin
minna.marin@aalto.fi

Additional information:
<https://into.aalto.fi/display/encbme/Contact>

Degree structure and planning your studies

Degree structure

120 ECTS credits:

- **Academic Learning Community (3-5 cr)**
 - *common to all students in Master's Programme in Chemical, Biochemical and Materials Engineering regardless of the major*
- **60 cr major studies**
 - *Compulsory studies*
 - *Specialization studies*
- **30 cr master's thesis** (approx. 5 months active work)
- **25 - 27 cr elective studies**
 - *Can include a minor*

→ Master of Science (Tech.)

Academic Learning Community (3 - 5)

Major studies (60 cr)

Master's thesis (30 cr)

Electives (25 - 27 cr)



Teaching in Autumn 2021

Code	Name	Credits	Period	Arrangements
<u>CHEM-E0105</u>	Academic Learning Community	3-5	I–V / 1st	Teaching remotely
<u>CHEM-E4120</u>	Quantitative Instrumental Analysis	5	I / 1st	Teaching remotely
<u>CHEM-E4130</u>	Chemistry of the Elements	5	I / 1st	Teaching remotely
<u>CHEM-E4160</u>	Reactivity of Aromatics	5	II / 1st	Teaching remotely
<u>CHEM-E4101</u>	<i>Laboratory Work in Inorganic Chemistry *</i>	5	<i>I 1st</i>	<i>On campus</i>

Elective studies / Minor

- Elective studies (25-27 cr)
- Possible to include a minor (20-25 cr) into the elective studies
- Minor not compulsory → degree without minor
- <https://into.aalto.fi/display/enopinnot/Minors+2020-2022>



Laboratory Safety Course

Compulsory, unless "Turvallinen työskentely laboratoriossa" is part of your Aalto BSc degree.

**Include it into your elective studies in SISU:
CHEM-E0140 Laboratory Safety Course**

Language studies

- Mandatory in your degree if not part of your bachelor's degree (according to degree regulations)
- **3 ECTS** credits
- Only courses with letters O (for oral) and W (for written) fulfil the requirements
- English recommended, but other languages can be taken as well
- Finnish & Swedish basic courses allowed
- Students with a Finnish bachelor's degree (including AMK students): usually no obligatory language studies required



Master's Thesis

Goal: master's thesis completed by the end of the 2nd study year

Before you start your master's thesis:

- complete all compulsory studies
- make sure your study plan is up-to-date

How to find a thesis position/topic:

- Be active!
- Start looking for a master's thesis position early, during the Spring of the 1st study year
- Be open to new ideas!
- Don't wait too long for the "perfect" master's thesis offer

WHAT PEOPLE THINK
THESIS WRITING IS
LIKE:



WHAT I THINK THESIS
WRITING IS LIKE:



WHAT THESIS WRITING
IS REALLY LIKE:



Personal supplementary studies

- Some students are required to complete supplementary studies
- Recommended to be completed as soon as possible
- Not included in your degree (120 ECTS credits + supplementary studies)
- Separate SISU study plan needed → please, contact the planning officer Minna Marin, minna.marin@aalto.fi

Planning your studies

All students are required to prepare a **personal study plan (HOPS)** as a part of their master's studies and always keep it up-to-date.

- The study plan is a **binding agreement** on both parties: the student and the university.
- Students can, at any time of their studies, **update** their study plan. The study plan should at all times correspond to the student's current plan for his/her studies. Changes to the study plan should always be done before participating in courses.

Planning your studies

- The study plan includes:
 1. Major courses, based on curriculum
 - *Compulsory courses and specialisation courses*
 2. Elective courses
 - *Possible to include a minor in the elective studies, not compulsory*
 3. Timing of all chosen courses and the master's thesis
 - Study plans are created in SISU
 - Some parts require approval
 - *Approved by the planning officer, deviations from the curriculum need to be separately approved by the professor in charge of the major*
 - Deadline: **10 September 2021**
 - More instructions: <https://into.aalto.fi/display/encbme/Planning+your+studies>
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Why should you earn your degree within two academic years?

Requires an average of 60 credits per year

WHY?

- It shows your potential future employers that you are able to commit to your studies and that you can acquire a wide spectrum of new knowledge while keeping to an agreed schedule
- CHEM rewards students who have completed their degree within the target time -> 500€



More information: <https://into.aalto.fi/display/encbme/Planning+your+studies>

Practical study matters

Feedback

- Be active in providing your feedback regarding courses and also the major as a whole.
- Course feedback is collected after every course and is valuable for course development.
- Feedback sessions with students and teachers will be organized. These sessions are a part of CHEM-E0105 Academic Learning Community course.

Student feedback



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Course feedback is collected after every course and is valuable for course development



Feedback sessions with students and teachers will be organized

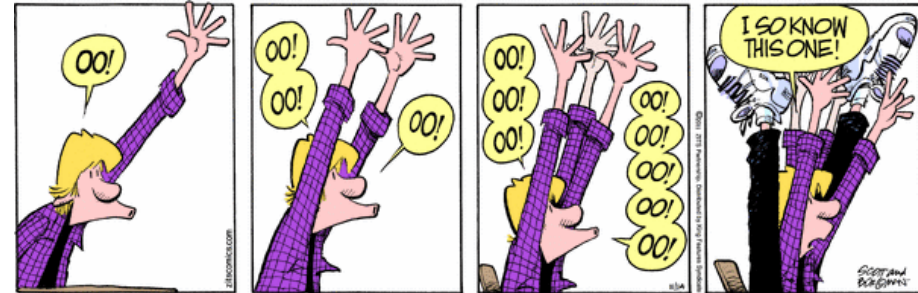
Twice in an academic year.

These sessions are a part of CHEM-E0105 Academic Learning Community course.

Be an active student

- Take the responsibility of your studies
- Use the curriculum and other resources → Into, MyCourses, WebOodi, SISU

- Read your **aalto.fi e-mails**
 - *Change the password every 6 months*



- Can't find information or unsure -> please, ask!
- Participate actively in your courses and challenge your teacher!

What's next?

- Orientation to Services and Wellbeing, “Service fair”: **Thu September 9, 13:00-15:00** [LINK](#) *(for students from outside Aalto, optional for Aalto bachelors)*
- IT services and enrolment to courses: Thu **9.9. at 10.00-12:00** *(for students from outside Aalto, recommended for Aalto bachelors)*
- Student union (AYY) introduction **Fri 10.9. 9:30-10:00** *(Optional for all)* [LINK](#)
- Q&A Session with Learning Services Fri 10:00-12:00 *(Optional for all)* [LINK](#)
- **TeekkariLife lecture** ~30 min *(Optional for all, you can watch at any time)*

Student guidance and coaching in Aalto CHEM

Academic advising

The academic advising at Aalto CHEM is organised in connection with the course CHEM-E0105 Academic Learning Community.

- *Two compulsory individual meetings with your academic advisor (academic advisor organizes)*
- *Support!*



Academic advising groups

Wajeeha Munib	Jan Deska
Henri Olander	Jan Deska
Julius Airas	Jan Deska
Juho Juopperi	Jan Deska

Sakari Syväniemi	Tanja Kallio
Hammad Shamshad	Tanja Kallio
Marcus Olsio	Tanja Kallio
Jasmin Sonphasit	Tanja Kallio

Jessica Ekholm	Kari Laasonen
Ikeoluwapo Grace Kolawole	Kari Laasonen
Riku Holopainen	Kari Laasonen
Ellen Järvinen	Kari Laasonen
Jouni Majaniemi	Kari Laasonen

Muhammad Saboor Ahmed	Maarit Karppinen
Aaro Tuisku	Maarit Karppinen
Antti Huhtakangas	Maarit Karppinen
Matilda Antila	Maarit Karppinen
Olga Partanen	Maarit Karppinen

Meeting the academic advisors



In small groups

- Getting to know each other
- Study plan
- Free discussion



In zoom breakout rooms **(coming)**

Our major-specific orientation ends with this meeting of your academic advisor.