

Canvas Master Information

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GENERAL INFORMATION

Structure of M-CSE

This can be found [here](#).

Information about research groups

There are 13 research groups at the UT offering chemical Master's assignments. Some of these groups are especially interesting for students of a certain track (M&ME of C&PE), while others are interesting for both tracks. It must be noted that if a group is especially interested in students of one track, it doesn't mean that students of the other track cannot do a Master's assignment at that group. However, more elective courses will probably have to be followed in agreement with the research group. You can also try to find a Master's assignment at a research

group that is not listed below, but remember that the Examination Board of the ChE Master programme still has to approve your assignment.

Below you can find an overview of the 13 research groups. You can also visit the site of each group for more info.

1. [Biomaterials Science and Technology](#)
2. [Biomolecular NanoTechnology](#)
3. [BIOS Lab-on-a-chip](#)
4. [Catalytic Processes and Materials](#)
5. [Inorganic Materials Science](#)
6. [Inorganic Membranes](#)
7. [Membrane Science and Technology](#)
8. [Mesoscale Chemical Systems](#)
9. [Molecular NanoFabrication](#)
10. [Photo Catalytic Synthesis](#)
11. [Soft Matter, Fluidics & Interfaces](#)
12. [Sustainable Polymer Chemistry](#)
13. [Sustainable Process Technology](#)

Institutes

Most research groups mentioned above are part of a research institute. In the field of (bio)chemical engineering, two research institutes are active: MESA+ and MIRA.

MESA+ Institute for Nanotechnology

MESA+ is one of the world's largest nanotechnology research institutes; and it's the largest research institute in this field in the Netherlands. A total of 525 researchers work together on cutting-edge research at the highest level.

MESA+ boasts a state-of-the-art NanoLab with a floor area of 1250 square metres. The fact that its users are offered a wide variety of technologies and equipment to develop an almost unlimited number of applications makes the MESA+ NanoLab quite unique.

MESA+ actively seeks collaboration with industry and encourages entrepreneurship among its employees. This has led to the institute being the birthplace of as many as 50 high-tech spin-off companies that market developed technologies and thus make them available to the community. Through collaboration and a focus on interdisciplinary research, the excellent infrastructure and entrepreneurship, MESA+ is one of the world's top institutes in the field of nano and microtechnology.

For more info, see <http://www.utwente.nl/mesaplus/>.

Techmed: Technical Medical Centre

The Technical Medical (TechMed) Centre is a leading Innovation Hub impacting healthcare by excellent Research, Innovation and Educational programs. It is equipped with state-of-the-art infrastructure, ranging from research labs, preclinical testbeds and simulated hospital environments.

In our mission to impact society, we stimulate entrepreneurship and enable (new) companies to grow within our regional Novel-T ecosystem, and collaborate with industry, hospitals, governments and insurance agencies on the development of new solutions for healthcare.

For more info, see <https://www.utwente.nl/en/techmed/>.

Internship & Job Orientation Project

The Internship & Job Orientation Project CSE is an integral part of the Master of Science of Chemical Engineering programme. The Internship & Job Orientation Project CSE has to be scheduled in the second year of the master, has to cover at least 13 weeks (course code 201700175 - 20EC) and should be conducted preferably at a company but can also be conducted at a research institute or an foreign university.

The learning goal of the internship concerns experience to the future working field by performing a relevant assignment at an external organization. We believe a stay abroad is a valuable component of the study therefore we recommend an internship abroad.

Judgment whether the project foreseen is of sufficient quality has to be performed by an academic supervisor. During this assignment, gained knowledge and skills at the study programme can be applied in an actual working environment.

The Internship & Job Orientation Project CSE is coordinated by the internship coordinator. Orientation for the Internship & Job Orientation Project CSE has to start half a year prior to national internship and a year prior to international internship. This time is required for actual arrangements of the internship, such as getting an accommodation, visa and all formalities.

Start the application procedure through registration in [Mobility Online](#).

Every year in an information session, the coordinator provides general information about the internship.

For more information, you can **enrol yourself** on the [CANVAS course - Internships TNW](#). At this site, you find information about experiences in the past, internship offers and all the necessary forms.

	Internship Coordinator K.E. Velthuis, BSc (Kim) stagetnw@utwente.nl Appointment: SMIR Planner
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Workshop CV and Cover Letter

[Cover letter workshop - pre-workshop materials.pdf](#) Download [Cover letter workshop - pre-workshop materials.pdf](#)

[Cover letter workshop - workshop slides.pdf](#) Download [Cover letter workshop - workshop slides.pdf](#)

CURRICULUM

This can be found [here](#).

HOW TO....?

...Plan your master's programme?

Planning your master's programme

After starting the Chemical Engineering master's programme at the UT, a number of steps have to be taken by you as master student. The list below can be regarded as a first indication.

1. Choose track

Before you begin you have to choose which track you want to do. The compulsory courses you have to take depend also on which track you have chosen.

2. Plan elective courses and select a research group

After arranging your enrolment, it is time to plan your master's programme. Make sure to have a look at the whole curriculum and courses at the beginning of the year. You will see which compulsory courses are planned in the different quarters, and how much room there is left for electives.

Plan electives

Electives which are shown in the curriculum

In the curriculum, you will also see some elective which a lot of our students choose and which we think might be interesting for you as a Chemical Engineering student. We try to consider all the electives mentioned in the curriculum in the schedule.

Some courses are not scheduled and therefore might not be given during the entire year. If you are interested in one of those courses you should contact the lecturer as soon as possible.

It is also possible that courses have a minimum or a maximum number of students. This is always mentioned in the Osiris description.

Other elective courses

It is possible to take courses of other master's programmes as an elective, important is that you will be admitted to the course and that you have sufficient prior knowledge. For more information about that please contact the lecturer of the course.

Choosing a research group

Prior to or shortly after starting the master's, we also advise you to already have a look at the different research groups of the Nanotechnology department. Depending on where you want to do your master's assignment it could be that you have to follow specific courses to prepare yourself for the assignment.

Special electives you can take, and which are taken as a direct preparation for the master's assignment, are the Capita Selecta courses of the research groups. The content of those courses is always individually discussed with the lecturer.

If you have any questions regarding the planning, please contact the [study adviser](#).

3. Enrolment for courses and exams

Enrolment for the master's courses is done via [OSIRIS](#). The sooner you enroll, the better it is for the lecturers, as they are then able to prepare their courses for the expected number of students. Enrolling for exams is done via [OSIRIS](#) and only has to be done for re-exam. You are automatically enrolled for the regular exam.

4. Internship & Job Orientation Project

The internship is done in the first quarter of the second year and covers 13 weeks (20 EC). During the internship you are posted at a relevant company, research institute in the Netherlands or abroad or a university abroad. Because experience has taught us that finding and arranging an internship can take quite some time (especially for an internship abroad), it is recommended to start looking around for an internship shortly after you have begun your Master's programme. Every year an information session is organized. [This is a good place to start searching.](#)

5. Master's assignment

Most students do their master's assignment in the 2nd, 3rd and 4th quarter of the second year. However, it is possible to start also at another moment. It covers 40 EC (27 weeks) or 45 EC (30 weeks).

You might already have chosen at the beginning of your master's where you want to do your assignment, in that case arranging an assignment will not take long.

If you have not yet decided where you want to do your assignment, you first of all should have look at the different research groups and decide what kind of research you are interested in the most. The next step is to talk to the professor or lecturer about possible assignments and to choose one.

The assignment must be approved by the Board of Examiners, therefore, **all the required paper work should be handed in at least one month before the start of the assignment.**

If you are planning on doing an external assignment, we advise you to even start earlier, as those assignments need to be discussed during a meeting of the Board of Examiners and most of the time also take longer to arrange.

A compulsory part of the master's assignment is a short report on the societal embedding of your research. A couple of lecturers will be given about this topic during the third quarter of the second year, and you have to hand in a small report.

You may start with your master's assignment, when you only have 10 EC of courses left to do of your master's programme (not including, of course, the master's assignment). The final grade of the internship does not yet have to be known. It is sufficient when your report is handed in, and your supervisor conforms that he/she expects a positive outcome.

...Plan your MSc assignment

Most students do their master's assignment in the 2nd, 3rd and 4th quarter of the second year. However, it is possible to start also at another moment. It covers 40 EC (27 weeks) or 45 EC (30 weeks), depending on your chosen specialization.

You might already have chosen at the beginning of your master's where you want to do your assignment, in that case arranging an assignment will not take long.

If you have not yet decided where you want to do your assignment, you first of all should have look at the [different research groups](#) and decide what kind of research you are interested in the most. The next step is to talk to the professor or lecturer about possible assignments and to choose one.

The assignment must be approved by the Board of Examiners, therefore, **all the required paper work should be handed in at least one month before the start of the assignment.**

If you are planning on doing an external assignment, we advise you to even start earlier, as those assignments need to be discussed during a meeting of the Board of Examiners and most of the time also take longer to arrange.

You may start with your master's assignment, when you only have 10 EC of courses left to do of your Master's programme (not including, of course, the master's assignment). The final grade of the internship does not yet have to be known. It is sufficient when your report is handed in, and your supervisor conforms that he/she expects a positive outcome.

MASTER'S ASSIGNMENT

General information and objectives

The master's assignment is the final part of master's programme Chemical Science & Engineering. During the master's assignment, the student performs individual scientific research under supervision of a member from the chosen research group. The assignment is completed with a master's thesis and a defence (colloquium). The master's assignment takes 40 EC or 45 EC, depending on the specialization you are taking.

Objectives of the master's assignment

During the assignment, students have to independently perform a relatively complex and large research project, which meets certain scientific criteria. The learning objectives of the master's assignment are defined in the EER of the programme, where it is stated that the student must be able to learn how to independently complete a research assignment of a certain size and degree of complexity.

Requirements for completing the Final Master's Project

The student has to show and develop a sufficient level of:

- Scientific work, including showing considerations of the “how and why” of the research,
- Creativity, including making links and using of know-how from former studies and literature,
- Working speed and methodology,
- Progress of personal research contribution,

Oral and written expression skills to clearly report the executed work.

Mobility Online procedure

To find a suitable MSc assignment, you have to contact the staff of the research group you want to do your assignment with. Most students talk to different staff members to find the project they want to do. After agreeing on a project, the student, staff member and mentor/daily supervisor agree on a project description.

Before you are allowed to start with your assignment, you need to follow a procedure in Mobility Online to get your assignment approved. Mobility Online is a system the UT uses to register graduation assignments. This has to be done at least 1 month before the start of the assignment.

Before the start

The way you need to start the graduation registration in [Mobility Online](#) depends on where you will execute the master's assignment.

- Entire assignment inside the UT: **four weeks before the start** of your master's assignment, you should start the registration in Mobility Online by choosing the standard registration.
- Entire assignment outside the UT (NL or abroad): **six weeks before the start** of your master's assignment you should start the registration in Mobility Online by choosing the extended registration. *If you are going to do your master's assignment outside the UT, you also need to write a formal request to the Board of Examiners.*
 - *Please note: The master's assignment should be carried out in a research chair of the university. Exceptionally and under strict conditions, the Examination Board may allow that a master's assignment is carried out partially or completely outside the UT. The student who is planning an assignment outside the UT should provide a written statement by the research chair indicating the reasons why the assignment cannot be done within the chair and therefore has to be performed externally, as well as what the relevance of the external assignment is for the research of the chair. The initiative for such a construction lies with the chair and the chair remains responsible for the content and supervision of the assignment.*
- Parts of the assignment outside the UT (NL or abroad): **six weeks before the start** of your master's assignment you should start the registration in Mobility Online for the period you are outside the UT by choosing the extended registration. You also need to perform the standard registration to register the entire period of your assignment. *In addition you will need to provide a written statement by the research chair indicating the reasons why the assignment cannot be done within the chair and therefore has to be performed externally, as well as what the relevance of the external assignment is for the research of the chair. The initiative for such a construction lies with the chair and the chair remains responsible for the content and supervision of the assignment.*
- Use the “**MSc final project contract and Course List**” form, available under [FORMS](#), not the one in Mobility Online itself(!)
- **Please note:** Before beginning your thesis, you must obtain formal approval from the Examination Board. Starting without this confirmation is at your own risk. To help expedite the approval process, your internship supervisor may submit a statement to the Board confirming that you are expected to successfully complete your internship.

Sign-in with your UT student number and UT password.

- Fill in the form (proposal form).
 - Make sure the Faculty, Study level and Study fields are correct.

- Committee information:
 - Committee chair: the chair of your committee
 - Committee member UT: daily supervisor (*If you have a daily supervisor who doesn't work at the UT, you can put the daily supervisor in the next field.*)
 - Any other committee members can be filled in the remaining fields
- Course code: the master assignment has two course code

Chemical & Process Engineering (academic year 2017 and earlier) and Molecular & Materials Engineering:

- 201300054 - Master Thesis Scientific and Research Aspects (25 EC)
- 201300055 - Master Thesis Reporting and General Aspects (20 EC)

Chemical & Process Engineering (academic year 2018 and later)

- 201800413 - Master Thesis Scientific and Research Aspects (20 EC)
- 201300055 - Master Thesis Reporting and General Aspects (20 EC)

From academic year 2024 – 2025 and later, all specialisations (CPE, MOM, MAT, MSE) use the following course codes:

- 201800413 Master Thesis Scientific and Research Aspects (20 EC)
- 201300055 Master Thesis Reporting and General Aspects (20 EC)

Please note for students of the MME track (cohort 2020 through 2023): A compulsory part of your assignment is a Societal Embedding course. You need to register for that course as well. The course code is 202001556. You will receive more information about the organization of this course at the Canvas page after registration.

- Fill in the title and description of the thesis.
 - The remaining field (remaining courses) do not have to be filled in. *You have to fill that information using the form.*
- After registration, you receive a confirmation of registration e-mail, including login details and a link to sign in. This link should be used to see the progress and if any actions are required.
- The next step is to upload the NT form to request for approval of the Master assignment. This step is important as we cannot approve your request without this form.
 - Download the “**MSc final project contract and Course List**” form, available under [FORMS](#).
 - Fill in the form from, collect the signatures and upload this form as a PDF file under Upload Application Form.

- To add your study progress overview to the form, please download your overview in Osiris and combine the two pdf's (for example by using this website: <https://smallpdf.com/nl/pdf-samenvoegen> (Links to an external site.)Links to an external site.).

Your application form needs to be checked by the examination board. This will be done after you have finished the steps in Mobility Online.

When the application is marked as approved by the coordinator, the examination board has approved your application and you are allowed to start with your Master assignment. You will receive an automatic e-mail when your application is approved. You will also receive an e-mail from BOZ in which they let you and the graduation committee know that you are allowed to start. **Please be aware that without approval from the Board of Examiners you are not allowed to start!**

At the end of your assignment

When you are in the process of finalizing your assignment and planning your colloquium, you have to download the form “**Application MSc Colloquium**” under [FORMS](#), fill it in and send it to BOZ (boz-mcse@utwente.nl), it cannot be uploaded to Mobility Online. After receiving the form the project will be marked as approved or incomplete by the coordinator. The application will be marked as finished after the thesis has been submitted to BOZ and the grade has been registered in OSIRIS.

If you have any questions regarding the procedure, please contact Charlotte Diepenmaat (c.c.diepenmaat@utwente.nl) or BOZ (boz-mcse@utwente.nl).

Before you start your assignment

Choice of the master's assignment

We recommend students to start as soon as possible with their search for an assignment. If you start earlier the possibility to work on a research which you find really interesting is bigger. This may be well before the actual planned start of the assignment (*all paperwork should be handed in at least one month before the start of the assignment*). The assignment should be performed at a research group that is associated with the CSE Master programme.

Starting requirements

Before the start of the master's assignment, a student should fulfil the following requirements:

- The internship has been completed successfully. It is not necessary to already have a final grade for the internship, however, the report must be handed in.
- You must have finished almost all courses of the compulsory programme. You may miss in total 10 EC of courses.

These requirements are listed in the EER of the CSE Master programme.

Please note: The master's assignment should be carried out in a research chair of the university. Exceptionally and under strict conditions, the Examination Board may allow that a master's assignment is carried out partially or completely outside the UT. The student who is planning an assignment outside the UT should provide a written statement by the research chair indicating the reasons why the assignment cannot be done within the chair and therefore has to be performed externally, as well as what the relevance of the external assignment is for the research of the chair. The initiative for such a construction lies with the chair and the chair remains responsible for the content and supervision of the assignment.

Supervisors and the graduate contract

Based on the topic of your assignment, you will be assigned a mentor, who will be your daily supervisor during the assignment.

With the chair of the research group, you will fill in the “**MSc Final Project Contract and Course List**” under [FORMS](#), which describes the proposed assignment and the master's assignment committee. You must submit this contract at least one month before you start your master's assignment to the Board of Examiners using Mobility Online. If it is clear that you meet all formal requirements to start the MSc Final Project, then it may take under a month before you hear back from the Board of Examiners.”

The master's assignment committee should meet the following requirements:

- The chair of the research group is part of the committee.
- The daily supervisor is part of the committee (if the daily supervisor is a phd student, then the staff member who supervises the phd, must also be a member of the commission).
- The committee should have at least one member who is a member of the scientific staff of another research group. This person may be someone of another UT faculty.
- In case of an external assignment (in a company, research institute, etc.), besides the above-mentioned persons an extra company supervisor should be part of the committee.

In addition to the information above, the graduate contract contains a full list of courses (with results) of your master's programme (i.e. the examination subjects) and a contract (with planning) between you and the research group.

You should hear back from the Board of Examiners approximately two to four weeks after you submitted your application. Since the actual start date might be different from the one you indicated on the application, BOZ should be notified when you start your assignment.

Societal Embedding (MME students only) - from 2020 onwards

Students of the MME track (cohort 2020 and later) also have to take the course Societal Embedding during their assignment. It is a compulsory part of your assignment. You need to register in Osiris for the course (course code 202001556). You will receive more information

about the course and the organization on the Canvas page of the course. There will be some classes organized in Q3.

During your assignment

Choice of the master's assignment

We recommend students to start as soon as possible with their search for an assignment. If you start earlier the possibility to work on a research which you find really interesting is bigger. This may be well before the actual planned start of the assignment (*all paperwork should be handed in at least one month before the start of the assignment*). The assignment should be performed at a research group that is associated with the CSE Master programme.

Starting requirements

Before the start of the master's assignment, a student should fulfil the following requirements:

- The internship has been completed successfully. It is not necessary to already have a final grade for the internship, however, the report must be handed in.
- You must have finished almost all courses of the compulsory programme. You may miss in total 10 EC of courses.

These requirements are listed in the EER of the CSE Master programme.

Please note: The master's assignment should be carried out in a research chair of the university. Exceptionally and under strict conditions, the Examination Board may allow that a master's assignment is carried out partially or completely outside the UT. The student who is planning an assignment outside the UT should provide a written statement by the research chair indicating the reasons why the assignment cannot be done within the chair and therefore has to be performed externally, as well as what the relevance of the external assignment is for the research of the chair. The initiative for such a construction lies with the chair and the chair remains responsible for the content and supervision of the assignment.

Supervisors and the graduate contract

Based on the topic of your assignment, you will be assigned a mentor, who will be your daily supervisor during the assignment.

With the chair of the research group, you will fill in the "**MSc Final Project Contract and Course List**" under [FORMS](#) which describes the proposed assignment and the master's assignment committee. You must submit this contract at least one month before you start your master's assignment to the Board of Examiners using Mobility Online. If it is clear that you meet all formal requirements to start the MSc Final Project, then it may take under a month before you hear back from the Board of Examiners."

The master's assignment committee should meet the following requirements:

-

- The chair of the research group is part of the committee.
- The daily supervisor is part of the committee (if the daily supervisor is a phd student, then the staff member who supervises the phd, must also be a member of the commission).
- The committee should have at least one member who is a member of the scientific staff of another research group. This person may be someone of another UT faculty.
- In case of an external assignment (in a company, research institute, etc.), besides the above-mentioned persons an extra company supervisor should be part of the committee.

In addition to the information above, the graduate contract contains a full list of courses (with results) of your master's programme (i.e. the examination subjects) and a contract (with planning) between you and the research group.

You should hear back from the Board of Examiners approximately two to four weeks after you submitted your application. Since the actual start date might be different from the one you indicated on the application, BOZ should be notified when you start your assignment.

Societal Embedding (MME students only) - from 2020 onwards

Students of the MME track (cohort 2020 and later) also have to take the course Societal Embedding during their assignment. It is a compulsory part of your assignment. You need to register in Osiris for the course (course code 202001556). You will receive more information about the course and the organization on the Canvas page of the course. There will be some classes organized in Q3.

Finishing your assignment

Before the colloquium

The final part of the assignment consists of preparations for the final version of the thesis and the colloquium. The colloquium itself is the conclusion of the master's assignment, during which you will defend the master's thesis before the committee and interested others. *Please note that you can only graduate if you have also completed all other parts of the CSE Master programme!*

When you are in the process of finalizing your assignment and planning your colloquium, please fill in the form **CSE application MSc colloquium**, available under [FORMS](#). One month is required to comply with the meeting frequency of the Board of Examiners and is required for BOZ to generate a diploma. BOZ will give her consent and provide a list of grades. You should check this grade list for correctness and completeness. This list can be adapted, only until a week before the colloquium and only based upon formal written evidence from grade slips, formal official grade lists by BOZ and official emails.

Additionally, upon completion a digital version of the final Master's thesis has to be handed over to [BOZ-CSE](#).

The master's thesis

- The thesis must be written in English.
- The number of printed theses has to be conferred with the mentor of your master's assignment committee. Reproduction of the report (copying and binding) has to be conferred with the secretary of the research group.
- A digital version of the thesis has to be sent to BOZ. The master's theses are required for the accreditation of the study programme.

Points of evaluation

- Contents and structure (contents, introduction, summary, illustrations, clear formulation)
- Language and style (is it suited for the people who should read it)
- Discussion and conclusion of results plus recommendations for future work
- References, list of symbols, description of the experimental set up, etc.

The colloquium

- The sheets for the colloquium must be in English.
- The presentation should be given in English. Exceptions can be made by the chair of the research group.
- The presentation is primarily meant for the scientific members of the research group (and possibly the research partners or clients) and in second place for other interested parties such as fellow students, family, etc.
- The speaking time should be approximately 30 minutes; the defence afterwards lasts approximately 10 minutes. Exceeding the 30 minutes of presentation limits the time for the defence. However, this too is an essential part of the colloquium to be taken into account in the overall evaluation.

Arrangements

- The student is responsible for planning the colloquium with all committee members present.
- A location for the colloquium will be arranged after consent of BOZ and will be done by BOZ. (All courses have to be completed. Otherwise presentation of the diploma is not possible!)
- The student is responsible for arranging the required presentation material (beamer, pointers, lights, etc.) at the arranged location for presentation. It is

advised to check this in advance. (Consult the secretary of the group if necessary.)

Points of evaluation

- Contents and structure
 - Message and media (selection of presented work considering the attending parties, functionality, readability)
 - Explanation of used methods and results (clarity)
 - Style of presentation and use of audio-visual matter (functionality, clarity)
 - Presentation skills (interaction with audience, speech, maintaining public's attention, enthusiasm)
 - Discussion / answering questions.
-

After the colloquium

Directly after the colloquium, the master's assignment committee determines the final grade for the master's assignment and presents the diploma and the temporary grade list on which the mark for the master's assignment is still missing. After a few days, BOZ sends the final grade list with the mark for the master's assignment to the student's home address.

The student may invite guests for a drink after the colloquium, which is up to the student and has to be personally arranged.

Assessment and grading

The student will be evaluated on two major aspects during the assignment. At the end of the colloquium the student will receive two grades, one for each aspect. The content of both aspects is as follows:

Assessment research qualities

- Problem analysis (definition of the research goals),
 - Execution of the graduation project (theoretical skills & experimental skills),
 - Analysis of the results (complexity of the research, and feed-back to the research goals),
 - Accessibility and usefulness of the results (can the results be published?).
-

Assessment of the reporting and general aspects

- **Report (thesis)**
 - Contents and structure,
 - Design and lay-out,
 - Language,
 - Discussion of results, conclusions and recommendations,
 - Literature references, list of symbols, description of laboratory set-up, etc.
 - **Colloquium**
 - Contents,
 - Message, and connection to public,
 - Explanation about methods and results (clearness),
 - Style of presenting and use of audio-video support tools,
 - Discussion and response to questions.
 - **General aspects**
 - Independence of student,
 - Originality and creativity,
 - Attitude, effort, pace, dedication, commitment,
 - Co-operation with “problem owner” and with co-workers.
-

Two grades for the master's assignment

The Master's assignment is separated into two parts. Objectives can be set in the following manner.

- **Execution of CSE research**
 1. During the Master's assignment students learn how to work independently on a rather complex and extensive research project, which meets scientific criteria. This research can be split into multiple stages:
 - Problem analysis: understanding a certain research field, recognizing problems and formulating research questions and approaches,
 - Execution: the theoretical and experimental approach and execution,
 - Result analysis: analysing the results and their relevance.
 2. Written report of research

3. Oral presentation of research
4. General aspects of the assignment
 - The assignment has to be carried out with a large degree of independence. The student is primarily responsible for the progress, planning and discussion with supervising lecturers.

The first grade will be given on the execution of the research (1) and the second grade will be based on the other three objectives (2-4) in the following manner:

- Execution of research (20 EC or 25 EC)
- Report, presentation, and general aspects (20 EC)

Assessment form

Here you can download the **assessment criteria form**, available under [FORMS](#), which is a list of criteria that are used in the assessment of the MSc final project. Make sure all your committee members do have a copy of this.

For students of the MME track (cohort 2020 and later) the course Societal Embedding is a compulsory part of their MSc assignment.

MME: Societal Embedding MSc assignment

For students of the MME track (*cohort 2020 and later*) a compulsory part of the MSc Final's Master Project is the Societal Embedding part.

To take part, **please enrol in 202001556- Societal Embedding MSc assignment NT & ChE**. You will receive more information about the organization and classes via the Canvas page of the course.

Classes will be organized during the third quarter. If this is not fitting your planning, please contact your study adviser for more information.

FORMS

Forms can be found on the internal programme website through:
<https://www.utwente.nl/en/cse/regulations/master/msc-forms/>

RULES & REGULATIONS

- [Examination Regulations & Graduation Requirements](#)
- [Transition Regulations](#)
- [Double or Overlapping Exams](#)
- [Archive](#)