

Finding courses for MSc or exchange students in Mechanical Engineering and Sustainable Energy Technology

Contents

Programme information: Mechanical Engineering.....	1
Programme information: Sustainable Energy Technology	2
Course information.....	2
How to avoid overlapping lectures	3
Assignment / capita selecta / internship / work placement /	3
In a company	4
In a research group.....	4
How many courses / ECTS credits	4

Programme information: Mechanical Engineering

The following websites can be useful when you are still looking for suitable courses in the Mechanical Engineering area, whether you are a full-time, regular MSc student or an exchange student:

https://www.utwente.nl/en/me/master_programme/programme-information/

This website contains information regarding the programme of Mechanical Engineering (ME).

A **full-time, regular student** in ME will have to choose both a profile (R&D, D&C or O&M) and a specialisation.

The page https://www.utwente.nl/en/me/master_programme/master-me-courses-2016-2017.pdf will give you an overview of all courses which can be part of an ME MSc course list. All course names in the pdf behind this link will lead you straight to the corresponding information in the Osiris course catalogue. Note that minor changes can occur for the next academic year.

On the page https://www.utwente.nl/en/me/master_programme/profiles/ you can find three xls-files. Each file will give you per sheet an example of a course list per profile and per specialisation.

Most of the combinations of profile and specialisation will require at least 4 courses in the chosen profile, 1 course in a different profile, a certain amount of core subjects for the chosen specialisation and a certain amount of elective subjects. You will need (a minimum of) 60 EC of subjects, which is equivalent to one year of studying. The 2nd year of your study will be an internship (15 or 20 EC), and a master's thesis assignment (40-45 EC). You will agree upon the division of EC's between internship and thesis work together with your graduation professor. Most of the students nowadays choose 20 EC. Please have your course list finalised, signed and handed in at the Student Administration somewhere during the 1st quartile. If you do change your mind during the year, you can always change your course list.

An **exchange student** in Mechanical Engineering does not have to fill in the forms as listed above; in general you do have your own (Erasmus or other) paper work such as course list, learning agreements etc. However, the forms behind the links above might be quite helpful for you to *compose a coherent package of courses*, with the smallest chance on overlapping lectures. If you choose courses from different specialisations or worse, different programmes, you do have a severe chance on overlapping lectures.

Programme information: Sustainable Energy Technology

The following websites can be useful when you are still looking for suitable courses in the Sustainable Energy area, whether you are a full-time, regular MSc student or an exchange student (in ME):

https://www.utwente.nl/en/set/master_programme/study-programme/

The course list for SET students is more restricted than for ME students. However, there is still a certain amount of freedom (see the link for elective courses). A **full-time, regular SET student** will have to follow the prescribed courses, but **exchange students** can just use the list to find most of the courses offered at the UT in the sustainable energy field.

Course information

All information about the courses can be found in the Osiris course catalogue <https://osiris.utwente.nl/student/OnderwijsCatalogus.do>. If the language is still shown in Dutch, just click the British flag. You can directly find a course by typing in the complete name or the course code. You can also search on:

- starting block; the academic year has 4 quartiles: 1A, 1B, 2A and 2B. Sometimes the summer period is included: 3. 1A starts in September; for all the other starting dates, please check out the academic calendars on <http://www.utwente.nl/ces/planning-roosters/en/academic-calendar/calendars/>
JAAR means that the course can commence any time in the year. It usually means that there are no lectures involved.
Note that the starting block does not indicate if the course is running during one or during two quartiles! In general it will be one, but sometimes courses run during two

quartiles. In that case, the amount of EC's will be split between both quartiles. Using the schedule will inform you about this (see later on in this document).

- faculty; this will give you a list of subjects taught by staff members of the chosen faculty
- Organising study; this will give you a list of subject taught by people involved in the chosen programme ('study'). This is not a complete list of subjects which can be chosen by students in this programme; their choice is in general much wider, since also relevant subjects of other departments might be chosen.
- lecturer; handy if you really want to follow courses from a certain person
- Participating study; a list of subjects which can be chosen by students in the chosen programme ('study').

Note 1 : ideally the course catalogue is fully up-to-date, but unfortunately it might not be. Therefore, if you're looking for a specific course and you can't find it, try a previous academic year. Contact the person listen under 'Contact person' to check if this courses in indeed not running this academic year, or that Osiris is just not updated. I just noticed that this is particularly necessary in the case of capita selecta courses (see further on why you would want these).

Note 2 : especially for *exchange students*: for each course that you would like to follow, do check the assumed / required / obligatory / desired pre-knowledge! It might be that the name of the "required pre-knowledge course" is in Dutch, but in general courses descriptions of Dutch courses can also be found in English (use that British flag again).

How to avoid overlapping lectures

Check the schedule of your chosen courses on <https://rooster.utwente.nl/>. If you log in before you start adding courses, the software will remember this for you. However, if you just want to quickly check a course, you don't need to log in. If you use Outlook, you can get the courses, which you have chosen while logged in, in your Outlook calendar. Very handy.

Adding all your desired courses will quickly tell you if you have a time-problem or not. Do not forget to check if courses run during two quartiles! Unfortunately schedules of the next quartile(s) are not available yet.

On <http://www.utwente.nl/ces/studentservices/en/osiris/register-or-de-register-for-education-eng/> you can find information from when till when you can enroll for courses. You may assume that when a registration period starts, the schedule of that quartile will be available. Outside of this period (de-)registration is still possible, but not preferable; it will cost more time and will occupy two people rather than that you can do it yourself.

Assignment / capita selecta / internship / work placement /

...

Some of you are interested in an internship or work placement.

In a company

You're free to include an internship in a company into your exchange period, but you will have to organise this yourself. We can support you with some information on companies, but you will have to apply yourself, as well as possibly organising a move to a different town, if applicable.

If you choose to do so, I kindly request that you use Mobility Online to register your internship, as indicated on https://www.utwente.nl/me/master_programme/student_mobility/internship_me/ or https://www.utwente.nl/set/master_programme/student_mobility/internship_set/. I would also suggest to find (here at the UT) a lecturer who might be supervising you. This might be handy if you run into technical problems during your internship, but (s)he will also read your report and assess your internship, after which the study points earned would become part of your transcript of records here.

In a research group

In this case it would basically be doing self-study / an assignment, which could be labelled as 'capita selecta'. Find in the Osiris catalogue the capita selecta course of the field you're interested in (e.g. Multi Scale Mechanics), and check with the contact person (in this case: prof.dr.S. Luding) what the possibilities are for doing such capita selecta assignment. In Osiris the number of EC's is stated as '5', but in practice many research chairs give the opportunity of doing an assignment up to 20 EC.

If you're not sure which field you're interested in, and/or which person to contact, get in touch with me. More information about all the research being done in this faculty can be found on <https://www.utwente.nl/en/et/research/departments-research-chairs>.

How many courses / ECTS credits

A quartile is the equivalent of 15 EC, which in general means 3 courses. If a course runs over two quartiles, you might want to consider two courses running over two quartiles in order not to become overloaded later on during the year. Exchange student who are not forced to come home with 60 EC after a year, might want to consider taking two courses in the 1st quartile rather than three. This might give you some time to adapt to the local study culture. MSc students might not have that luxury. Students who do not need a residence permit have no real objections against registering a 3rd year in case of delays, other than financial. Students who do need a residence permit are bound to the immigration rules, which might force you to study nominally. This might also be the case if you are here on a scholarship!