



# Information Booklet

## MSc Kick In 2021 - 2021 Chemical Science & Engineering

## Staff Chemical Science & Engineering

### André ten Elshof

#### Programme Director

My picture is on this page because I am the proud director of the Chemical Science and Engineering programme. But you may also meet me in other capacities: I teach inorganic chemistry and materials science in modules 1 and 3, and chemistry of nanomaterials in the master ChE. And as a scientist, I like to work together with students from ChE and other programmes to develop exciting new materials for our 21st-century society. You can find me on the 3rd floor in Carré within one of my 2 offices: in CR 3017 (as CSE director), which is located very close to the Alembic room and Home Base, or in CR 3249 (as a professor). You can also contact me by email at [j.e.tenelshof@utwente.nl](mailto:j.e.tenelshof@utwente.nl). My advice to you for this year: work hard and make friends!



### Charlotte Diepenmaat

#### Study Adviser and Programme Coordinator



First of all: welcome (back) on campus! I greatly enjoy the atmosphere on campus and I experience it as very easy-going. That is why, after graduating from UT in 2012, I returned a couple of years later as an employee. I hope you will have the same pleasant experience on campus as I have had as a student.

I have been working at UT for the past three years. First as Communication Officer and currently as Study Adviser and Programme Coordinator for the Master Chemical Science and Engineering.

If you have any questions, study- or non-study related or just want someone to share your thoughts with: feel free to drop by. You can find me in Carré, CR 3015.

My advice for your time at UT is: do your best, ask questions, take well-deserved breaks and above all: enjoy your time as a student.



## MSc Chemical Science & Engineering

The master's Chemical Science & Engineering has three specialisations:

1. Chemical & Process Engineering
2. Materials & Molecular Engineering
3. Materials Science & Engineering

You have been admitted to one of these three. You can find the curriculum online on the website ([www.utwente.nl/cse](http://www.utwente.nl/cse)) or on Canvas.

### Structure

The master is worth 120 EC. Within these 120 EC you need to take some compulsory courses (which one, you can find in the curriculum). The compulsory course incorporate:

1. Courses (depending on the specialization: CPE & MME = 32.5 EC; MSE = 37.5 EC)
2. Internship (20 EC)
3. Graduation Project (CPE & MSE = 40 EC; MME = 45 EC)

The rest of the EC's you will receive by taking elective courses (CPE = 27.5 EC; MME = 22.5 EC; MSE = 12.5 EC of broadening electives and 10 EC of free electives). Elective courses can be a broad variety of electives. Have a look on the Canvas page to find out more about the electives and how to choose them:

<https://canvas.utwente.nl/courses/2826/pages/electives-and-how-to-choose-them>.

If you are a student joining us from another university, you will also have to follow some deficiency courses. Those are part of your programme and are compulsory to take. Please make sure to enroll for those courses as well. You can find which courses you need to take in the curriculum and in your admission letter.



## Alembic, study books, printer and KNCV

### Alembic

C.T.S.G. Alembic is the study association for the bachelor and master Chemical Science and Engineering. It is an abbreviation for Chemotechnisch Studentengenootschap Alembic. The study association organises fun activities with their committees related to social and educational aspects, such as study nights to study for upcoming exams or lunch lectures for broadening knowledge about different companies. Next to this, you can meet the other students of the study programme, these can be from your own year or from other years of the bachelor or master. Another benefit is a discount on your study books of about 19% and you can pick up notebooks for free in the boardroom. For additional information visit the website of Alembic at [www.alembic.utwente.nl](http://www.alembic.utwente.nl).

### How to become a member?

If you want to become a member of Alembic please ask any board member or send an email to [secretary@alembic.utwente.nl](mailto:secretary@alembic.utwente.nl).

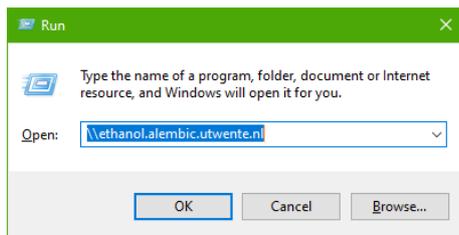
### How to make an Alembic account?

This has to be done at a computer of Alembic. When you are available during the start of the academic year, you need to visit the boardroom of Alembic at room CR3029. Here a board member assists you in setting up an Alembic account. To make an account fill in your username. This username starts with 'ALEMBIC\' followed by your **first name** and **surname** in lower case without spaces between it. Next to this you need a password for your account but use at first 'alembic123'. Press on 'Enter' and fill in your new password. If this is not yet possible, the board will announce an alternative way of getting an Alembic account.

## Shares of Alembic

On the shares of Alembic, documents are stored which are important for members of Alembic. These documents consist of old test exams, photos of activities held by Alembic and many important documents for example information about the General Members Assembly (GMA) or information about making a poster if you join a committee.

If you are connected to eduroam (How to connect to eduroam?, click here), you can also connect to the shares of Alembic with an VPN connection (How to install OpenVPN?, click here). Press 'Windows Key' + 'R', this opens the 'Windows Execute' program. Here you can fill in the following execution code, '\\ethanol.alembic.utwente.nl'.



After this a login window will pop-up. Fill in your username and password that are set-up for your Alembic account.

Username: ALEMBIC\first name surname

Password: Alembic password

## Alembic discord server

Alembic has a discord server that can be used to socialize with other members of Alembic. Besides socializing, it is also a place where you can study with other people. The invite link is [www.discord.gg/VDTHCve](http://www.discord.gg/VDTHCve). Give yourself a recognizable name and ask a board member to approve you.

## Study books

### Studystore

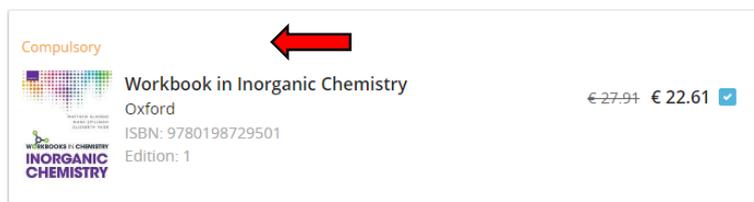
To order the books for the first module can the following site be used, [alembic.itdepartment.nl/en](http://alembic.itdepartment.nl/en). For the first quarter the chosen selection depicted in the figure down below can be used. For future modules a mail will be sent when the books can be ordered.

When filled in correctly, click on the button that says 'Continue'. You will be redirected to the page with the books that you need to order for the module. At the top you will find three options. These options are given below. Select the option that holds for you.

### Membership

- Yes, I'm a member.
- Yes, I want to become a member.
- No, I don't want to become a member. Discount expires!

Within each box of a book that can be ordered, a message will be shown. These messages can be 'compulsory', 'Recommended' and 'Possible already in possession'. With this list you need to select all three books and click on 'Add'.



Next, you need to register at LearnID. Click on 'Register' and fill in the form for 'Create new account'. After this you can fill in your information details at the step 'My information'. Click on 'next' and select on this page ('Delivery and payment') the correct settings for yourself. If you don't have a Dutch bank account yet, you can contact the (candidate) treasurer of Alembic and ask for assistance. At the last step 'Check', you need to check the box for 'I agree with the Terms and Conditions and understand that I am entering into a payment obligation.' and select the 'complete order' button.

### UnionShop

During some of the quarters you need a reader for a subject instead of a book. The costs for these readers are at most €10,- per piece. The correct copy of these readers will be announced during the first lectures of the subject. These books can be bought at the UnionShop at the university. Next to readers the needed labjournals for practicals can be bought here. Labjournals are notebooks in which you make notations in advance and during the practicals. The labjournals are also available in the boardroom of Alembic. The UnionShop is located at the building, that is called the 'Bastille'. For more information visit their website at [su.utwente.nl/en/unionshop](http://su.utwente.nl/en/unionshop).

### Printer

At the university you can print at certain printers that are labelled as student printers. For these printers you need to register at first. To register hold your college card to the RFID scanner of the printer. A document with a code will be printed with the further needed instructions. Go to [printportal.utwente.nl](http://printportal.utwente.nl) and enter your student number at 'Username' and your corresponding password. Click on 'Log on' and continue. When logged in, select the tab 'Card Registration' and fill in your obtained code from the printer. Click on 'Submit' and your card is successfully registered.



My Cirro / Automatic Card Registration

**Associate new card**

Enter registration code below to associate a new card to your account. This will remove any existing associated cards.

Registration code

If you want to print something, you scan your college card and print from your USB stick or you send your files to the printer. To print via the last option for Windows 10 goes as follows. Search within the search menu at the bottom left of your screen for '\\printservice.utwente.nl\follow-me'. Fill in 'AD\ ' followed by your student number at 'Username' and your password at 'Password'. The driver will be downloaded and when a window with the title 'Follow-Me on printservice.utwente.nl' pops up the installation is completed. For example, Word you can now select the Follow-Me option and press on print. The instructions for Mac OS X can be found [here](#).

### KNCV

The KNCV (Koninklijke Nederlandse Chemie Vereniging / Dutch Chemistry Association) is the national association for Chemistry associated students, professors and employees. The KNCV has a broad network with numerous universities and chemists throughout Europe. Furthermore, they organize numerous informative and networking activities throughout the year, as a member these activities are either free or have a discount.

The first year of membership at the KNCV is for free, so during this year you can fully explore the benefits of the KNCV! Enrol with the following link: [en.kncv.nl/studentmember](http://en.kncv.nl/studentmember).

## Useful computer programs and websites

### General

If you have problems with your set credentials for your university account, try to ask for assistance and consider changing your password. To change your password, click [here](#).

### Eduroam

#### Mobile (Android):

Go to 'Settings', 'Wi-Fi'.

Select 'eduroam'.

At 'EAP method', select 'TTLS'.

Select 'MSCHAPV2' at 'Phase 2 authentication'.

Select 'Use system certificates' at 'CA certificate'. If this is unavailable, select 'Do not validate'.

Fill in 'utwente.nl' at 'Domain'.

Enter your 'UT e-mail address' in the 'Identity' field.

If required fill in 'anonymous@utwente.nl' at 'Anonymous identity'.

Enter your 'password'.

Tap on 'Connect'.

You're now connected with eduroam.

Source: [utwente.nl](http://utwente.nl)

#### Mobile (iPhone):

Go to 'Settings', 'Wi-Fi'.

Select 'eduroam'.

In the first field, enter your 'UT e-mail address'.

In the second field enter your 'password'.

Click 'Join'.

Make sure the 'Certificates' server name is 'radius.utwente.nl'.

Click 'Trust' (top right).

You're now connected with eduroam.

Source: [utwente.nl](http://utwente.nl)

#### Computer (Windows 10):

Click the wireless network icon on the taskbar.

Click 'eduroam'.

Check 'Connect automatically'.

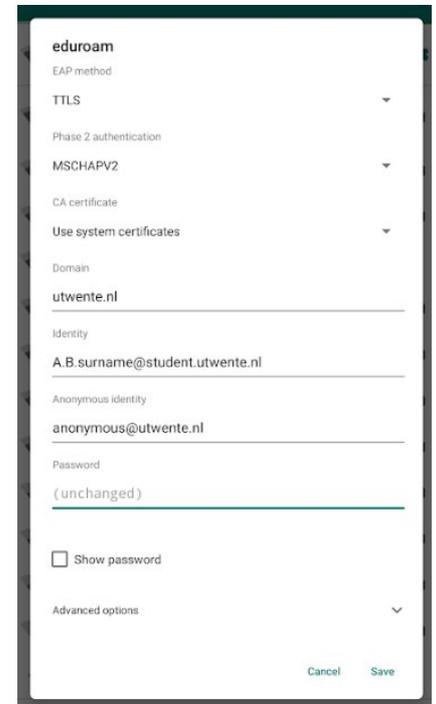
Click 'Connect'.

In the first field, enter your 'UT e-mail address'.

In the second field, enter the 'password'.

Click 'Connect'.

Source: [utwente.nl](http://utwente.nl)



### Computer (Mac OS X):

Click the wireless network icon in the menu bar.

Click 'eduroam'.

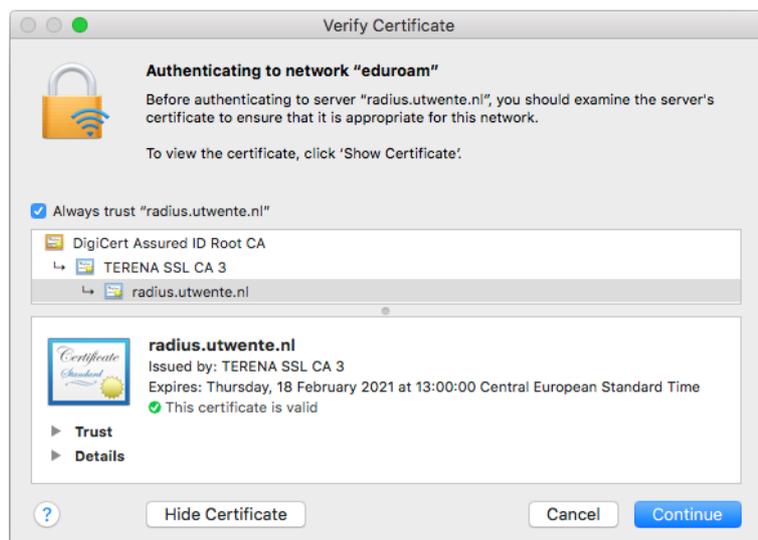
The connection is now established.

In the first field, enter your 'UT e-mail address'.

In the second field, enter the 'password'.

Click 'Join'.

To make sure that your connection is secured, verify the certificate. Click on 'Show Certificate'.



Check that the certificate is valid and that the server providing the certificate is 'radius.utwente.nl'.

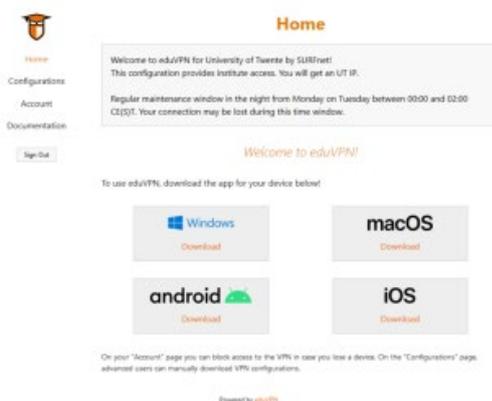
Your device may ask to store the certificate in the keychain, use the username and password from your device.

Source: [utwente.nl](https://utwente.nl)

### EduVPN

#### Computer (Windows 10):

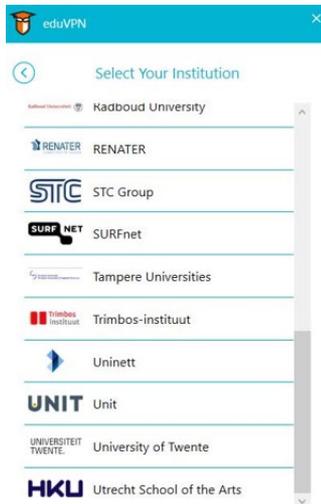
1. Go to <https://ut.eduvpn.nl> and log in with your **UT account**.
2. Click on *Windows* to download the EduVPN client.



3. Open the installation file and install the software (a restart might be required to finish the installation).
4. Search for *eduvpn* in the start menu and open it.
5. Select *Connect to your Institution*.



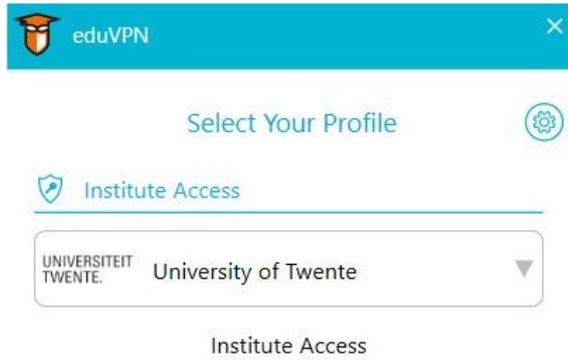
6. Scroll down and select *University of Twente*.



7. You will be guided to the login page of the University of Twente, or redirected directly to the page where the application can be approved.
8. Click on *Approve application*.



9. The profile for institute access is now added to the client.



10. To connect: select *Institute Access* and wait until the *status icon* is green.
11. After a (re)start of the pc you only need to open the eduvpn client and select *Institute Access* to connect.

Source: [utwente.nl](https://utwente.nl)

### E-Mail

Check <https://googleapps.utwente.nl> and enter your student number and password, you will now have access to your mailbox. Fellow students' e-mail addresses are already added to your contact database. For students the e-mail address is 'constructed' as follows: a.b.c.lastname@student.utwente.nl.



## Educational systems

For more information and movies about the educational systems please have a look at this website:

<https://www.utwente.nl/en/educational-systems/new-students/>

On this website you can also find the information given below.

### Osiris

To enrol for the first courses, Osiris can be used. Furthermore, Osiris can be used for study counselling, the unenrolment for modules, checking recent study results, an overview of the study progress and checking information about the content of courses.

#### How to enrol for the first module on Osiris?

Log in at [osiris.utwente.nl/student](https://osiris.utwente.nl/student) with your student account (username: UT email address). Go to 'Register'.

Click on 'Course module'.

Click at 'Other' on 'Search a course module'.

Select '2020' at 'Academic year' and search for the course at 'Course module/name'.

Click on the correct 9-digit code (course code), you want to enrol for.

Click on 'Register' in light grey at the top or bottom of your window.

When you have enrolled for the course, you will be automatically enrolled for the Canvas course. Try to enrol as quick as possible in the next future, when you receive a mail about enrolment for a course. For the enrolment periods visit:

<https://www.utwente.nl/en/education/student-services/education/courses-and-modules/>

### MyTimetable

To view your timetable of your first module and other coming modules, you can visit the website of the university ([rooster.utwente.nl](https://rooster.utwente.nl)). At the website you can select your own modules and export it to your own calendar (e.g. Google Calendar or Apple Calendar) or PDF. But first you need to login with your student account.

#### How to add the timetable of your courses?

When logged in, select '+ Add timetable' in the top right corner of the window.

Press 'Module/study programme' within the section for the academic year 2020/2021.

A window pops up. Search for **"Chemical Engineering M MME 1A"** or **"Chemical Engineering M CPE 1A"** or **"Chemical Engineering M MSE 1A"** within the first field. You can also search for courses. Please make sure to select only the courses you will follow.

If you want to connect your timetable to your own calendar, check the box '*Synchronise these timetables with my connected calendar applications.*'

Click 'Add timetables'.

### Campus app

The 'Campus app' is an app where you can view your personal timetable and other scheduled events. It can give you a route from building to building for the campus terrain. Further, can it show you Points of Interest around the campus. As last does it provide a to-do list for new students, that will help to jump-start your time at the university of Twente. Click one of either links to download the app:

[Download on the App Store](#)

[Get it on Google Play](#)



## Canvas

Canvas is a platform, where you can access course content (e.g. lecture slides, pencasts, etc.), see announcement and messages from teachers, collaborate with your group, view and submit assignments, take online (practice) quizzes and check feedback and (partial) grades. To view the website, visit [canvas.utwente.nl](https://canvas.utwente.nl) and login with your student account (username: student number or UT email address).

The module that you enrolled for, will be listed in the 'Courses' page. To view in which group you are placed in, go to the module and select 'People' at the left sidebar. At the top of the screen you can choose between 'Everyone' and 'Groups', select the second one and view your group. At modules you can view the course content and announcements can be viewed at 'Announcements'.

To search for public courses like the course of the study program CSE/ChE, go to the sidebar and click at 'Courses'. Select 'All courses' followed by 'Browse more courses'. Search at this page for '**Programme information CSE/ChE**' and join the course with '+ Join this course'. At this course you can useful information about the EER, curriculum, contact details, study tips and FAQ and general announcements of the study program.

You can also join this course using this link: <https://canvas.utwente.nl/enroll/7DTG3P>.

Canvas has also a course about the wellbeing and mental health of the student. Especially during these times of abnormal events is it necessary to take care for yourself. To enrol for the course, go to the following link: [canvas.utwente.nl/courses/5949](https://canvas.utwente.nl/courses/5949).

There is a mobile app available of Canvas. For android, go to the 'Play Store' and search for '**Canvas Student**'. For Apple, go to the 'App Store' and search for '**Canvas Student**'.

## Resource Booker

If you want to book a room, visit the website [rb.utwente.nl](https://rb.utwente.nl) and login with your student account. A room is available at different places on campus terrain. At this moment, the function 'BOOK A ROOM' isn't available. Three other options are available:

1. *BOOK A MEETING PLACE IN THE ITC BUILDING* (not available for non-ITC students/employees)
2. *BOOK A PRINTER IN THE VRIJHOF LIBRARY*
3. *BOOK A STUDY PLACE IN THE VRIJHOF LIBRARY*

### How to book a printer of study place in the Vrijhof library?

1. Click on option 2 or 3.
2. Select the wanted time slot.
3. To show the availability, select the button 'SHOW AVAILABILITY'. It will be highlighted in green.
4. Click on the calendar where you want to book a place.
5. A window pops up. Fill in a title at 'Booking title' and select 'BOOK'.

## Software Manager of NSC

To get the needed programs for the subject, that you will follow during your study, you can download them from the following website: [nsc.utwente.nl/software](https://nsc.utwente.nl/software). This website is provided by you, by the Notebook Service Center or in short NSC. Login with your student account (username: student number or UT email address). Down below the programs are

listed that are useful for your study time. To install the programs, click on view and follow the instructions on this page.

#### Desktop

#### Publishing:

	Mathworks Matlab	LICENSE ACADEMIC LICENSE	PLATFORM Windows, Linux, macOS	View
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#### Graphics:

	Microsoft Office 365	LICENSE STUDENT LICENSE	PLATFORM Windows	View
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#### Practica

#### TNW:

	Ocean Optics SpectraSuite	LICENSE UT-LICENSE	PLATFORM Windows	View
	SLT Labview applications (CSE, Optica, Fysisch Lab) CSE, Optica, Fysisch Lab	LICENSE UT-LICENSE	PLATFORM Windows	View

### Lean Library Plug-in

For the projects you will need to search online for articles and books. The university has an on-campus library but bought also a lot of books/articles for online usage. At the university you can access them freely, because you are connected to Eduroam. For off-campus access to this online library, you need the Lean Library Plug-in. This can be downloaded with the following link: [www.leanlibrary.com/download](http://www.leanlibrary.com/download).

### Online education

Since the start of giving online education, the study programme used a couple of online teaching programmes, which one are used depends on the lecturer. Students also have a Microsoft Teams account and can use this programme for example to work together with other students.