

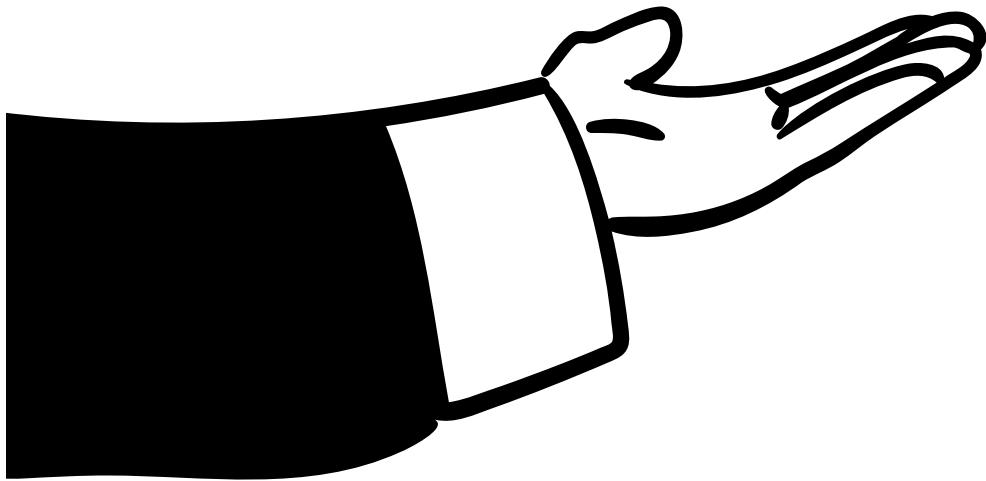
---

# **Nordic Master in Cold Climate Engineering**

Orientation meeting

27 August 2024

# Agenda for this session



**Welcoming words by the programme director**

**Student introductions**

**Current issues related to studies and courses**

**Q&A section**

# Introductions

# Aalto culture in brief

Focus on students and learning

Low hierarchy in and outside the classroom (e.g. communication)

(Academic) freedom vs. responsibility (transparency of information)

- Read the instructions first, then contact us if something is unclear

Student community and synergy with the university

Check also:

- [Finland Studies MOOC](#)
- [Finland Works MOOC](#)
- Beat the Blues event series for international students (about culture, culture shock, wellbeing etc.) – follow our newsletters!
- [Guide for International Students](#)
- [Code of Conduct](#)

**Prof. Jukka Tuhkuri**



**Coordinator Michael Sagulin**



**Planning Officer Börje Helenius**





We saw you roll in, we waited...





We saw you  
roll in, we  
waited...

... and now we  
want to get to  
know you

**Welcome from the programme director**



**What should I know as double degree student?**

**A!**

# Joint degree student identity

You have rights and responsibilities of

- **Aalto University** (student status, degree regulations, code of conduct etc.)
- **Entry/exit university** (local rules and regulations)

How to balance between all the rules?

**A!**



# Joint degree student identity: Grade and credit transfer

**Transcript exchange between university admins** - nothing for you to worry about!

Courses are transferred individually from your entry/exit university to Aalto University and **grades translated to Aalto grading scale (1-5)**

All courses from both universities count towards **final GPA at Aalto**

- if your GPA is 4.0 or above **and** your thesis grade at Aalto is a 4 or 5 → "Honours" mark in degree certificate)

# Joint degree student identity: Annual enrolment

**As an Aalto student you must enrol as an attending student every year**, even if you are studying at a partner university.

**Only** students who have enrolled as attending, can:

- Complete courses (either at Aalto or at a partner university)
- Receive mobility scholarship
- Get guidance from university staff
- Start Master's thesis process
- Graduate

**If you fail to enrol as attending or non-attending student for an academic year, you will lose your study right.**



# Joint degree student identity: Annual enrolment

Payment of student union membership fee is a precondition to enroll as attending

Enrolment is connected to permissible duration of studies

Specific enrolment instructions for double degree students at [Annual enrolment | Aalto University](#)

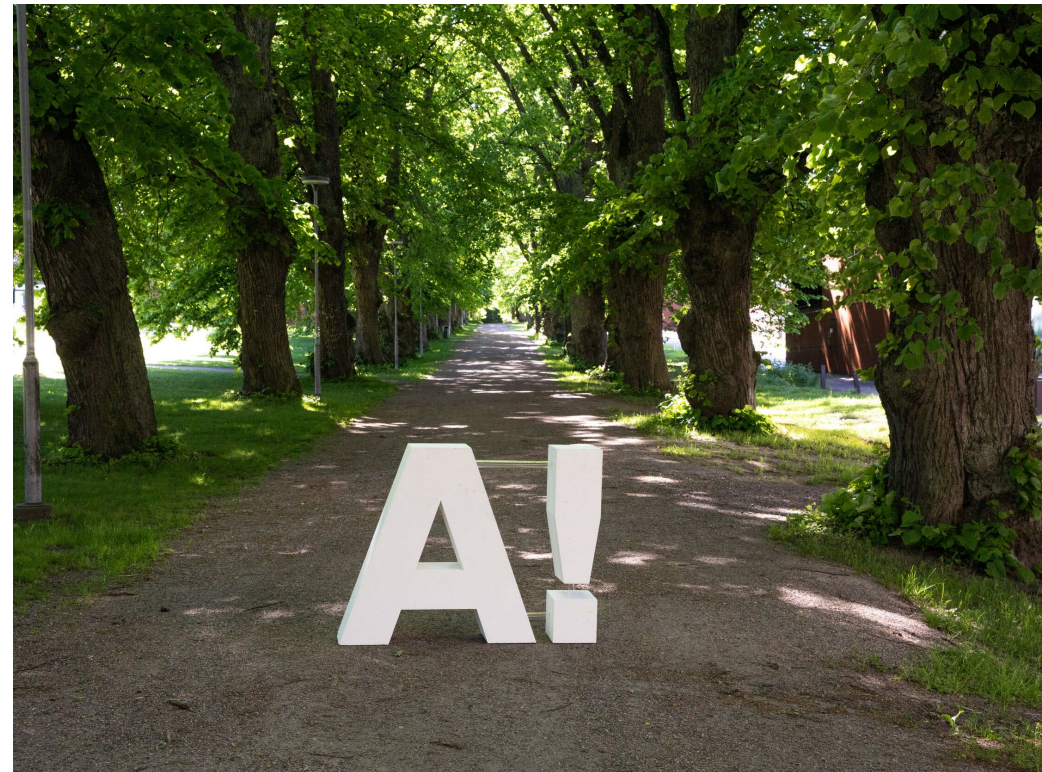
# Joint degree student identity: Scholarships and fees

## Scholarships are applied and granted on an annual basis

- 2<sup>nd</sup> year scholarships are applied during the spring, wait for the instructions from your exit university

## If you take longer than 2 years to graduate, you will be transferred to the local tuition fee scheme of the universities (excl. 'grace period')

- Aalto: academic year 1 Aug – 31 July
- Local tuition fee scheme will apply as of 1 August
- Tuition fee 7 500 EUR/semester for non-EU/EEA students (0 EUR for EU/EEA)
- Scholarships for one additional term (= grace period at Aalto): application instructions sent during spring term of your 2<sup>nd</sup> year; 100% tuition fee waiver to finish your studies before 31 December



# Joint degree student identity: Student life

## Get a Finnish ID number

- Required e.g. for student healthcare, public transportation, bank account, employment
- You can get it with residence permit (non-EU/EEA students), by application to DVV (non-EU/EEA student who did not get it with residence permit) or by registration of right of residence (EU/EEA students) to Migri

## Open Finnish bank account

- Online banking credentials strongly recommended (if you can get them)
- More information at [Registering with the authorities and opening a bank account | Aalto University](#)

## HSL card and student discount in public transportation

- App. 40% discount in public transportation
- In order to get the discount, you should get the student discount form for **EXCHANGE STUDENTS** with an official university stamp and signature from the Starting Point (Otakaari 1) **and** visit the HSL pop-up desk at the Welcome Fair or HSL service point
- The discount can be granted for the period that you have currently enrolled as attending for, i.e. the whole academic year 1 August 2024 to 31 July 2025

## Residence permit to your exit university country (non-EU/EEA students)

- You need to apply for the residence permit to your exit university country through their embassy in Finland.
- Initiate your residence permit application to your exit university immediately as soon as you receive the admission letter **unless instructed otherwise on the letter!**
- Enrolment as attending is required for RP extension to Finland

# Access token and access rights



# How to get an access token and access rights

Buildings on the campus area can be used also during evening time

**Bitwards Mobile ID** is used as an access token on the campus are

- The app requires a Bluetooth connection to function
- Before using the Bitwards mobile app, installation of the Authenticator app on your phone is required
- Available on [Apple App Store](#) and [Google Play](#)

[More detailed instructions online](#)

**A!**





Current issues related to studies and courses

**A!**

# Programme structure

[Student Guide](#)  
[→ Curriculum](#)

**Total scope of the programme: 120/123 ECTS**

Studies at Aalto\*: **60/63 ECTS (entry)** or **30/33 ECTS (exit)**

Studies at partner university: **60 ECTS (entry)** or **30 ECTS (exit)**

Master's thesis: **30 ECTS**

\* According to Finnish legislation a higher education student must complete 3 ECTS of foreign language studies

# Planning your studies

Curriculum and degree structure = what you must and can include in your degree → Follow the curriculum!

Personal Study Plan (PSP; HOPS in Finnish) = how you plan to complete your degree

- Sisu: Registration to courses is done via PSP
- **Your best plan to graduate for the time being** – can be modified at any time
- Play with the PSP to plan your workload per teaching period / semester
- Also, a tool used to apply for graduation at a later stage

**A!**



# Study plan 101

Error messages appear whenever making changes to default curriculum (common) and inherit upwards

**Study plan can and will change**

Selection missing = problems - **DO SOLVE**

Approval required = **SOLVE** (discuss with your programme director about your course choices)

Master's thesis code: **MEN.thes**

Maturity test?  
**ENG.matr**

30 cr	BE.thes Master's Thesis	<input type="checkbox"/>
30 cr	MEN.thes Master's Thesis	<input type="checkbox"/>
30 cr	CE.thes Master's Thesis	<input type="checkbox"/>

Selections against the rules

Selections missing

approval required

Master's Thesis
ENG.T Advanced studies
0 cr ENG.matr Maturity Test

**A!**

**Exit students:** Wait for credit transfer (Michael will notify you)

**Entry students:** Add 30 ECTS study draft to "Exit year studies at partner university"

corresponds to your study plan or you have not registered for the current term.

Second year studies at partner university Selections missing -|-

esis \_\_\_\_\_ Selections 30  
nced studies \_\_\_\_\_ missing -|-

G.matr  
ity Test

t Master's thesis code \_\_\_\_\_ Selections -|-  
missing

ok

**SECOND YEAR STUDIES ...** [More] [Close]

SELECT 30 CR      SELECTED 0/30 CR

ADD TO THE PLAN

Search courses by name or co... 🔍

STUDY DRAFTS

**ADD A STUDY DRAFT**

**Exit students:** Wait for credit transfer (Michael will notify you)

**Entry students:** Add 30 ECTS study draft to "Exit year studies at partner university"

corresponds to your study plan or you have not registered for the current term.

Second year studies at partner university Selections missing -|-

esis \_\_\_\_\_ Selections 30  
nced studies \_\_\_\_\_ missing -|-

G.matr  
ity Test

t Master's thesis code \_\_\_\_\_ Selections -|-  
missing

ok

**SECOND YEAR STUDIES ...** [More] [Close]

SELECT 30 CR      SELECTED 0/30 CR

ADD TO THE PLAN

Search courses by name or co... 🔍

STUDY DRAFTS

**ADD A STUDY DRAFT**

**Exit students:** Wait for credit transfer (Michael will notify you)

**Entry students:** Add 30 ECTS study draft to "Exit year studies at partner university"

corresponds to your study plan or you have not registered for the current term.

Second year studies at partner university      Selections missing      -|-

esis      Selections 30  
nced studies      missing      -|-

G.matr  
ity Test

t Master's thesis code      Selections  
missing      -|-

ok

**SECOND YEAR STUDIES ...**      ...      X

SELECT 30 CR      SELECTED 0/30 CR

ADD TO THE PLAN

Search courses by name or co... 🔍

STUDY DRAFTS

**ADD A STUDY DRAFT**



# Language studies

**Recommendations** pre-added to study plan

All the 3 ECTS must be completed in **one single language**

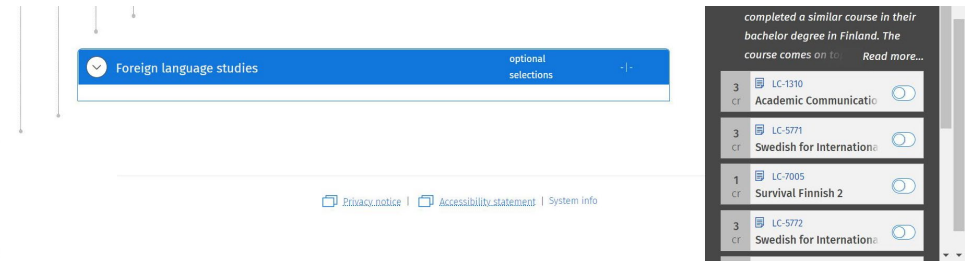
**LC-1310** Academic Communication for MSc Students (o,w) is recommended to avoid recognition problems at partner universities.

The language course is **mandatory** for those who have not completed a similar course in their **bachelor degree** in Finland or who have not completed / will not complete a similar course at the partner university.

**FAQ:** Timing the language course? Possible overlaps? Exceeding the 3 ECTS? Choosing something not marked with (o,w)?

**What benefits you most** > adaption to a new surrounding, employability, reviving an old language skill...

Exit students: take the course in the **autumn** term; entry students can choose the most suitable term, balancing the workload



# Exemptions of compulsory foreign language requirement

**BSc degree from a Finnish university or UAS + foreign language course completed there = no need to take a language course**

## **Native English speakers & others equally fluent in English**

- 3 ECTS of Finnish instead (online course in Survival Finnish can be included!), or
- 3 ECTS of another foreign language course with “o” and “w” symbols (oral and written requirements) – note that you must be on intermediate or advanced level in this language

## **Language course completed in Bachelor degree abroad?**

- Contact Michael

## **Language course completed (or to be completed) at joint degree partner university?**

- Contact Michael, especially KTH entry students

# Hei, puhutko suomea?

## All non-Finnish speakers

According to studies, even basic knowledge in **Finnish** is a significant asset **in the job market in Finland**. Even if you take Academic Communication in your degree, **consider taking some basic Finnish courses** (online) as extra – keeping your personal resources in mind.

**A!**

FINNISH NIGHTMARES

FINNISHNIGHTMARES.BLOGSPOT.FI  
FACEBOOK.COM/FINNISHNIGHTMARES  
TWITTER.COM/FINN\_MATTI



# Course choices 101

**Obligation:** minimum 60 ECTS + 3 ECTS language course (comes on top)

No maximum ECTS, but mind your workload

Conflicting schedules? **Prioritize compulsory courses**; if overlap only applies to part of course, discuss substitute assignments, lecture recordings or other with course teacher

Troubles choosing optional courses → **consult Jukka**

Something outside course lists? Agree with Jukka → inform Michael → add to study plan using "**Free edit mode**"

**A!**

# Master's Thesis

**Thesis info for all ENG students will be organized later this autumn**

The more pro-active you are, the better chances to find the thesis position of your dreams (with salary and future job prospects)

- **Exit students, start searching now**

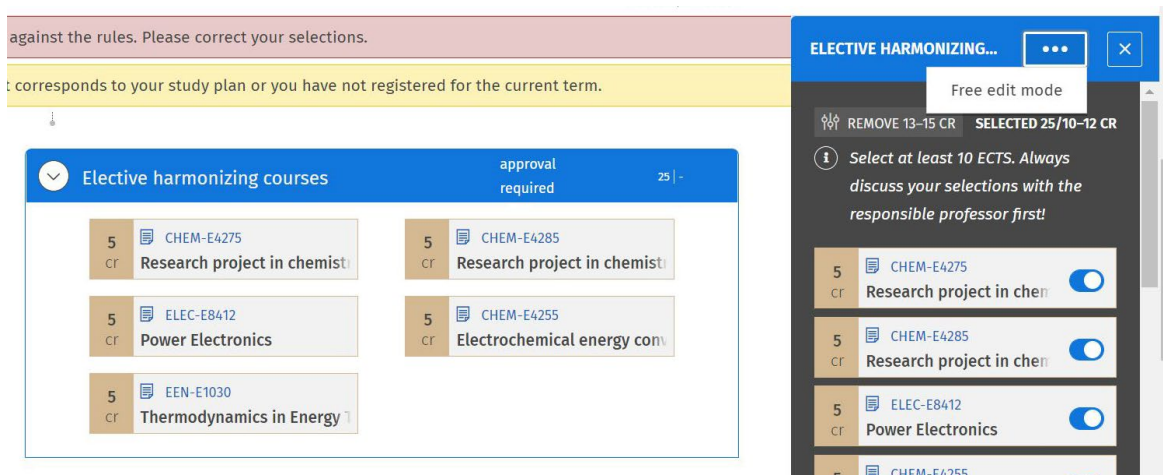
Only minority of available positions are published

- You need networks to land the position

Supervisor from Aalto

- Partner university supervisor is seen as an advisor at Aalto

# What is "Free edit mode" for?



To add courses outside the curriculum

To apply for approval for a module that has courses outside curriculum

against the rules. Please correct your selections.

... corresponds to your study plan or you have not registered for the current term.

**Elective harmonizing courses** approval required 25 | -

5 cr	CHEM-E4275 Research project in chemist	5 cr	CHEM-E4285 Research project in chemist
5 cr	ELEC-E8412 Power Electronics	5 cr	CHEM-E4255 Electrochemical energy conv
5 cr	EEN-E1030 Thermodynamics in Energy		

**ELECTIVE HARMONIZING...**

Free edit mode

REMOVE 13-15 CR    SELECTED 25/10-12 CR

*Select at least 10 ECTS. Always discuss your selections with the responsible professor first!*

- 5 cr CHEM-E4275 Research project in chen
- 5 cr CHEM-E4285 Research project in chen
- 5 cr ELEC-E8412 Power Electronics
- 5 cr CHEM-E4255

against the rules. Please correct your selections.

corresponds to your study plan or you have not registered for the current term.

**Elective harmonizing courses** approval required 25 | -

5 cr	CHEM-E4275 Research project in chemist	5 cr	CHEM-E4285 Research project in chemist
5 cr	ELEC-E8412 Power Electronics	5 cr	CHEM-E4255 Electrochemical energy conv
5 cr	EEN-E1030 Thermodynamics in Energy		

ELECTIVE HARMONIZING...



Free edit mode

REMOVE 13-15 CR SELECTED 25/10-12 CR

**i** Select at least 10 ECTS. Always discuss your selections with the responsible professor first!

5 cr CHEM-E4275 Research project in chen

5 cr CHEM-E4285 Research project in chen

5 cr ELEC-E8412 Power Electronics

5 cr CHEM-E4255



against the rules. Please correct your selections.

corresponds to your study plan or you have not registered for the current term.

**Elective harmonizing courses** approval required 25 | -

5 cr	CHEM-E4275 Research project in chemist	5 cr	CHEM-E4285 Research project in chemist
5 cr	ELEC-E8412 Power Electronics	5 cr	CHEM-E4255 Electrochemical energy conv
5 cr	EEN-E1030 Thermodynamics in Energy		

### ELECTIVE HARMONIZING COURSES



\* Free edit mode

[Back to normal edit mode](#)

COUSES (5)

ADD TO THE PLAN

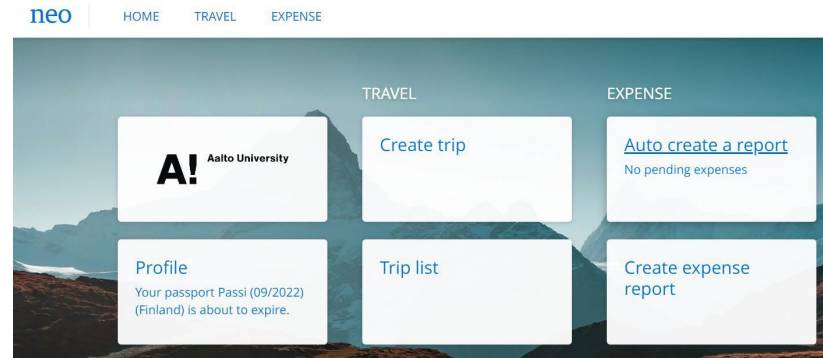
Search courses by name or code

ADD A COURSE YOU HAVE ALREADY COMP... +

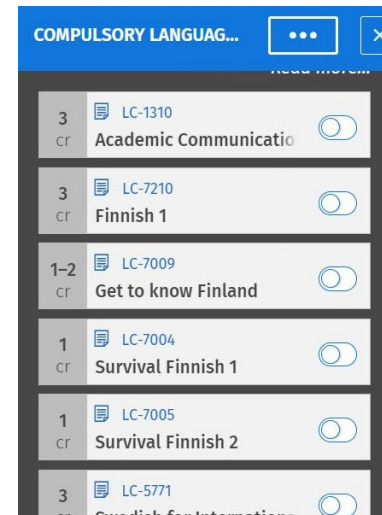
5 cr CHEM-E4275  
Research project in chen




# During orientation week



- Registering to **courses beginning in period I**
- Choosing and timing **optional courses** (unsure > discuss with the programme director)
- Having a plan for completing or already enrolling in a **compulsory language course**
- Updating contact information in Sisu (obtained Finnish Personal ID > inform Michael)
- Creating a **NEO user profile** for future trips
- Opening a **bank account** (scholarship holders)
- Paying **student healthcare fee** or applying for exemption



A group of four students (three women and one man) are sitting around a white table in a study area. They are looking at a laptop and some papers. The background is a bright, modern study space with teal and white walls.

**Book  
appointment with  
Michael** to revise  
study plan (and  
relieve any  
doubts and  
questions)

**MyStudies**

[mystudies.aalto.fi/](https://mystudies.aalto.fi/)

# Who to contact and when?



**Course  
teacher**

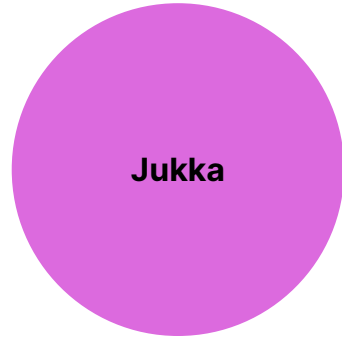
**Course registration**

**Assignments**

**Exams**

**Missing lectures**

**Raising the grade**



**Jukka**

**Deviating course choices**

**Guidance in choosing optional  
courses**



**Michael**

**Study plan matters**

**Thesis process and deadlines**

**Graduation**

**Progress of studies**

**General worries**



**Mental health  
challenges**

**Aalto psychologists**

**Services provided by Finnish  
Student Health Service (FSHS)**



**Career design  
and job search**

**Aalto Career Services**

**Aalto JobTeaser platform**

# Tip: aalto.jobteaser.com

**A!** CAREER DESIGN LAB  
Aalto University **JOBTEASER**

Dashboard Companies Jobs Events Job Search Guide Appointments

**My profile**  
[Edit my profile](#)  
Profile filled in **20%**  
No CV

**My criteria**  
[Edit my criteria](#)  
No contract type searched  
No keyword informed

**My status** ⓘ  
Open to opportunities

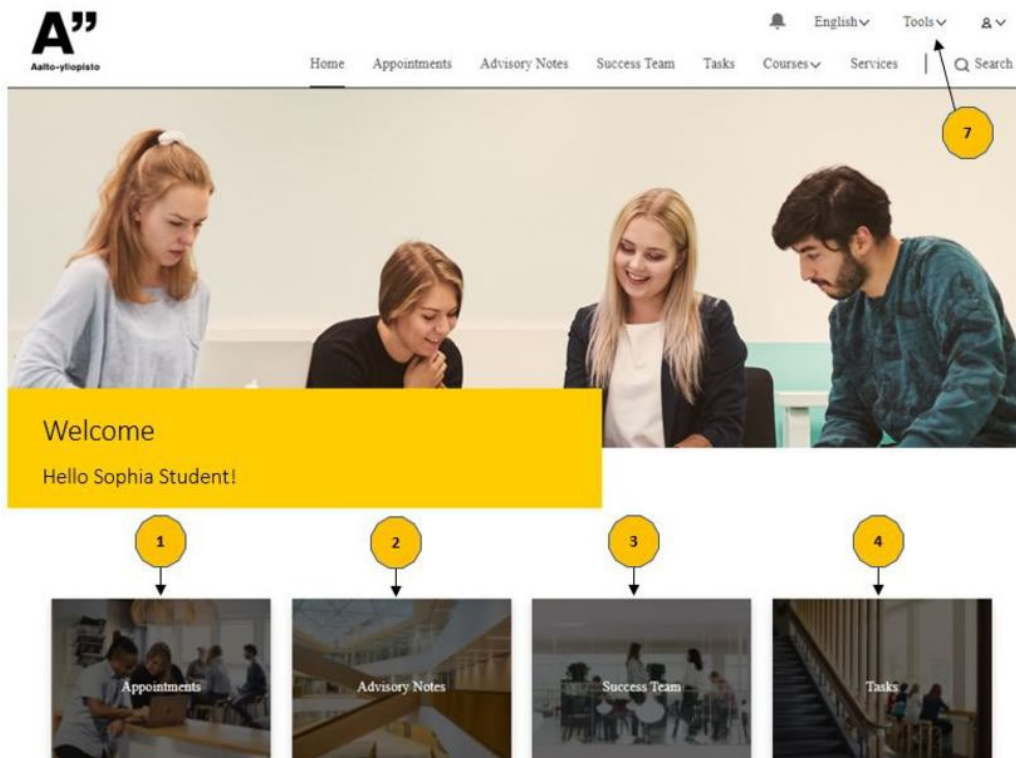
**For you** Saved jobs My applications My events My appointments

**Useful links**

**To see ALL adverts**  
follow these instructions!

**For you**  
Edit your criteria and profile to adjust the content of this feed.

# Modes of communication



General study related concerns

[jointmasters-eng@aalto.fi](mailto:jointmasters-eng@aalto.fi)

Study guidance appointments via  
**Student Success Hub** > My Success Team

Email → PD, teachers and other professors



# Upcoming events in autumn



**Aalto Day One** on 3 September

**Aalto Thesis Day** on 2 October 2024

**ENG Student & Alumni Networking Event** on 23 October 2024

**Master's Thesis Info** on ?

**Aalto Talent Expo 2024** on 2 November

**SLUSH** on 20-21 November (DL for volunteers 8 September!)

# Join NoMEA!



Newly founded **student club** aimed especially for **international students** who are interested in **energy** related events

Current board members from the ISEE master program

Everyone interested in energy in international settings is welcome

We also welcome everyone from the other Nordic master programs, regardless of if your study field is energy

We want to create links between the Nordic5tech university students, represent international energy students and establish contacts to the energy industry in the Nordics

The club is still new, so YOU can be part of shaping how it will be! **Become a member or join the board!** Board election on Thursday 3.10.

Next event (international food night) on **16.9.**

Upcoming event ideas: company excursions, thesis night, club parties and a trip to a Nordic country to meet



# This is NoMEA's mission!

## Connecting energy interested students across Universities

We want to build a lively **student, faculty & alumni network** within the Nordic Masters (Focus: ISEE). To ensure a diverse community we encourage **internationally-orientated and energy industry-interested students & faculty** from other departments & programs across the N5T to join.

## Student representation on a Nordic/European level

We want to represent ourselves as the N5T student community on the European / international parquet to **make potential future employers and academic institutes aware of us and the N5T programs**. We are not a competition to local energy student clubs as we aim for an international network.

## Contacts into the international Energy Industry

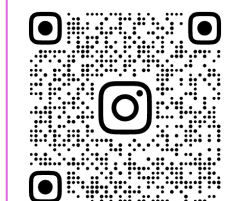
As our members are pursuing an international career in the Nordics/Europe with high ambitions, we want to **establish and maintain contacts with internationally operating and sustainability driven companies and corporations in the energy industry** (Focus: Nordics/Europe).



Join NoMEA



LinkedIn



NORDICMASTER.ENERGY

# Who we are.



**Clara Falkenauer**  
President



**Soham Shinde**  
Vice President



**Paul Zimmermann**  
Sponsoring & Industry  
Communication



**Johanna Järviluoto**  
Industry visits & events  
Communication



**Bharat V Hiremath**  
Media & Marketing



Join  
NoMEA



**Sarah Meuter**  
Network & Alumni  
Communication



**Nathaniel Bryan**  
Social Media & Student  
Communication



**Pol Guardia**  
Club events

As of today we are all ISEE Aalto university students. **The aim is to represent students across the N5T Universities in the board!**

# Tips – how to succeed in all this

Ensure a good start for your studies (**checklist for new students**)

Prepare to study full-time.

**Follow the curriculum** and your Personal Study Plan (HOPS).

Follow the **universities' regulations**.

Always **attend the first lecture** of the course.

**Be proactive and independent in search for information** – there are always people here to help you, but encouraging students to be independent and take responsibility is part of the core ideology of Finnish universities.

**Be an active respondent to any feedback surveys** sent to you and participate in the development of the programme.

**A!**

**Questions or concerns?**