

ARCADA UNIVERSITY OF APPLIED SCIENCES



Studying at Arcada

Mechanical and Sustainable Engineering

Sofie Sundström
Study Counsellor

Information about the degree

- **Name of degree:** Bachelor of Engineering / Ingenjör (YH)
- **Scope:** 240cr (1cr \approx 27 hours). One study unit normally 5cr. (Study unit = course)
- **Duration:** 4 years
- **Expected study pace:**
 - one period: 15 cr
 - one semester: 30 cr
 - one academic year: 60 cr

Academic Year 2025-2026

The academic year starts officially on August 1st 2025 and ends on July 31st 2026.

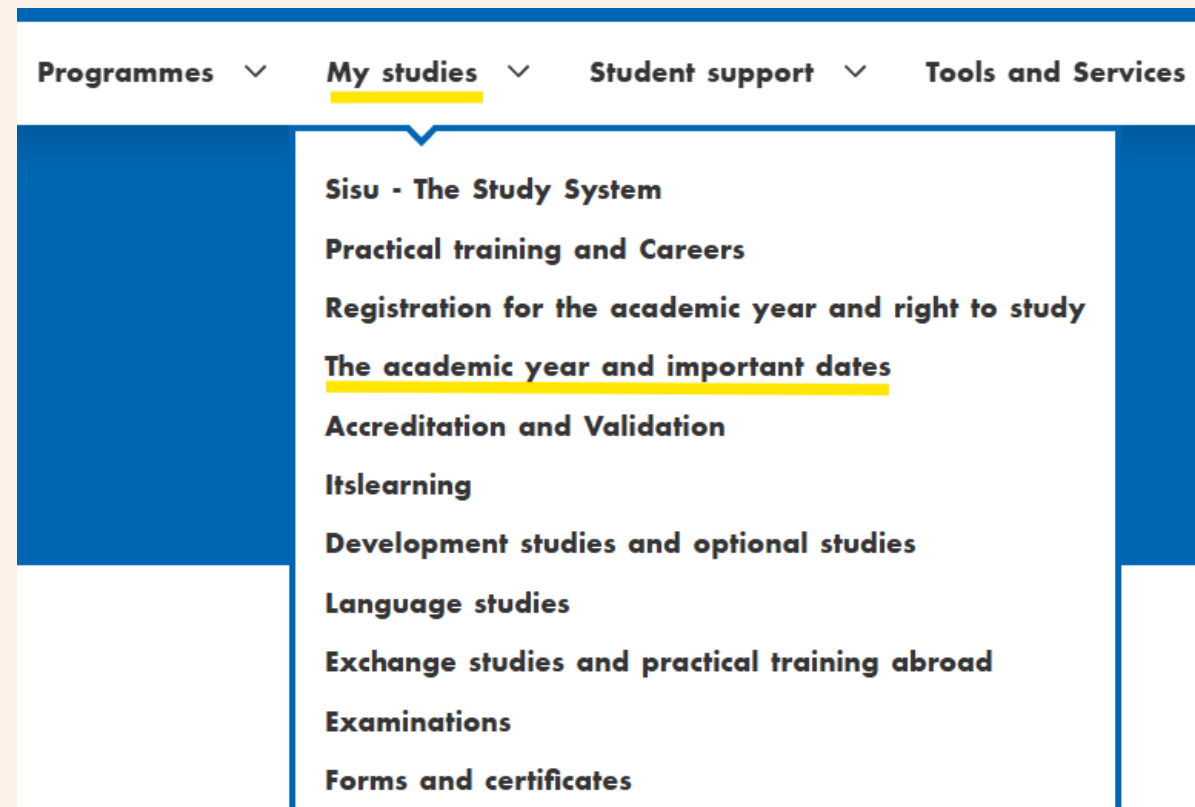
Period 1: 1.8–26.10.2025

Period 2: 27.10–31.12.2025

Period 3: 1.1–22.3.2026

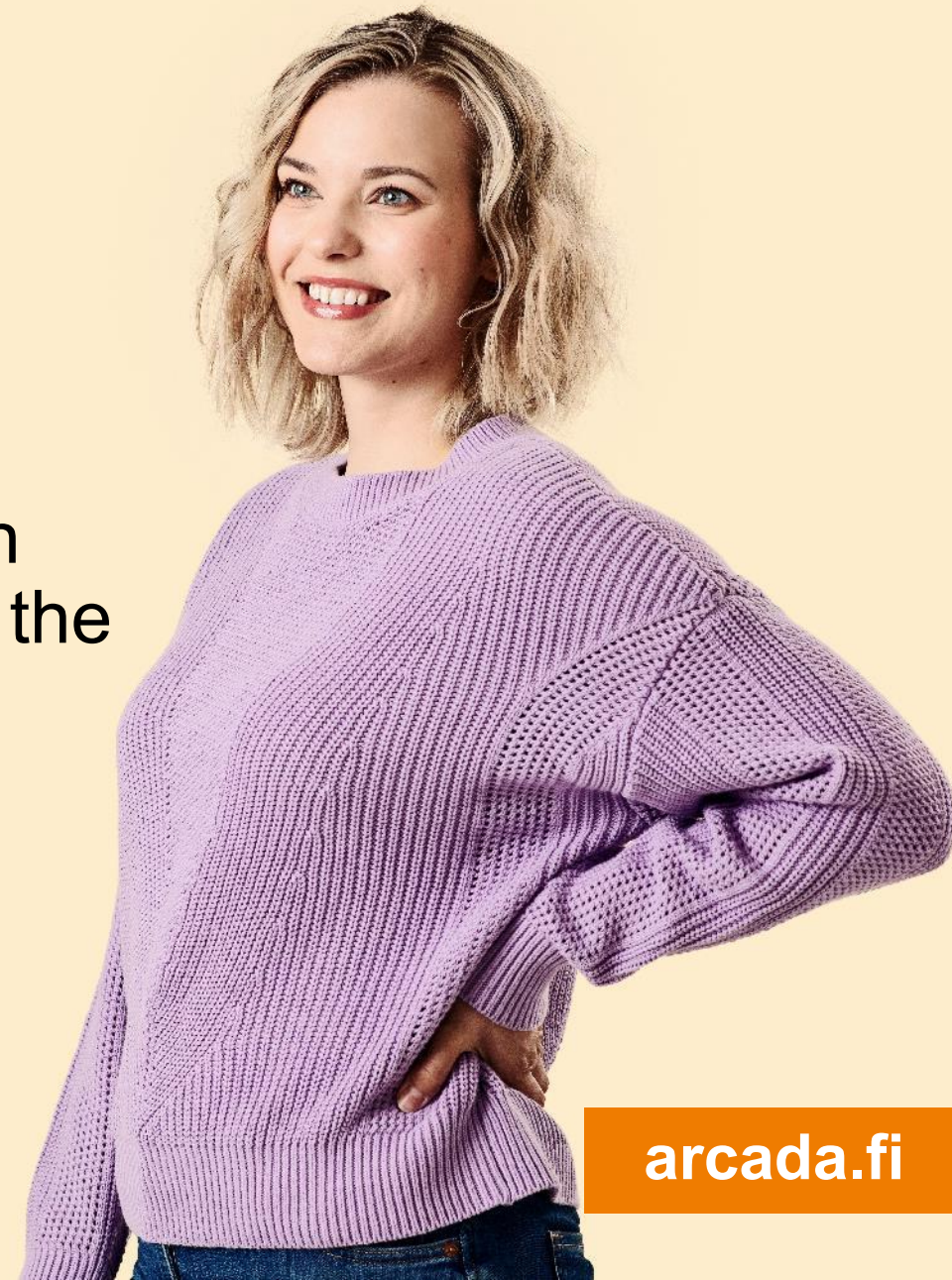
Period 4: 23.3–31.7.2026

Check national public holidays
celebrated in Finland on start.arcada.fi



Study Plan = Curriculum

It is very important to familiarize yourself with the curriculum in order to get an overview of the degree that you are about to complete.



Where do I find my study plan?

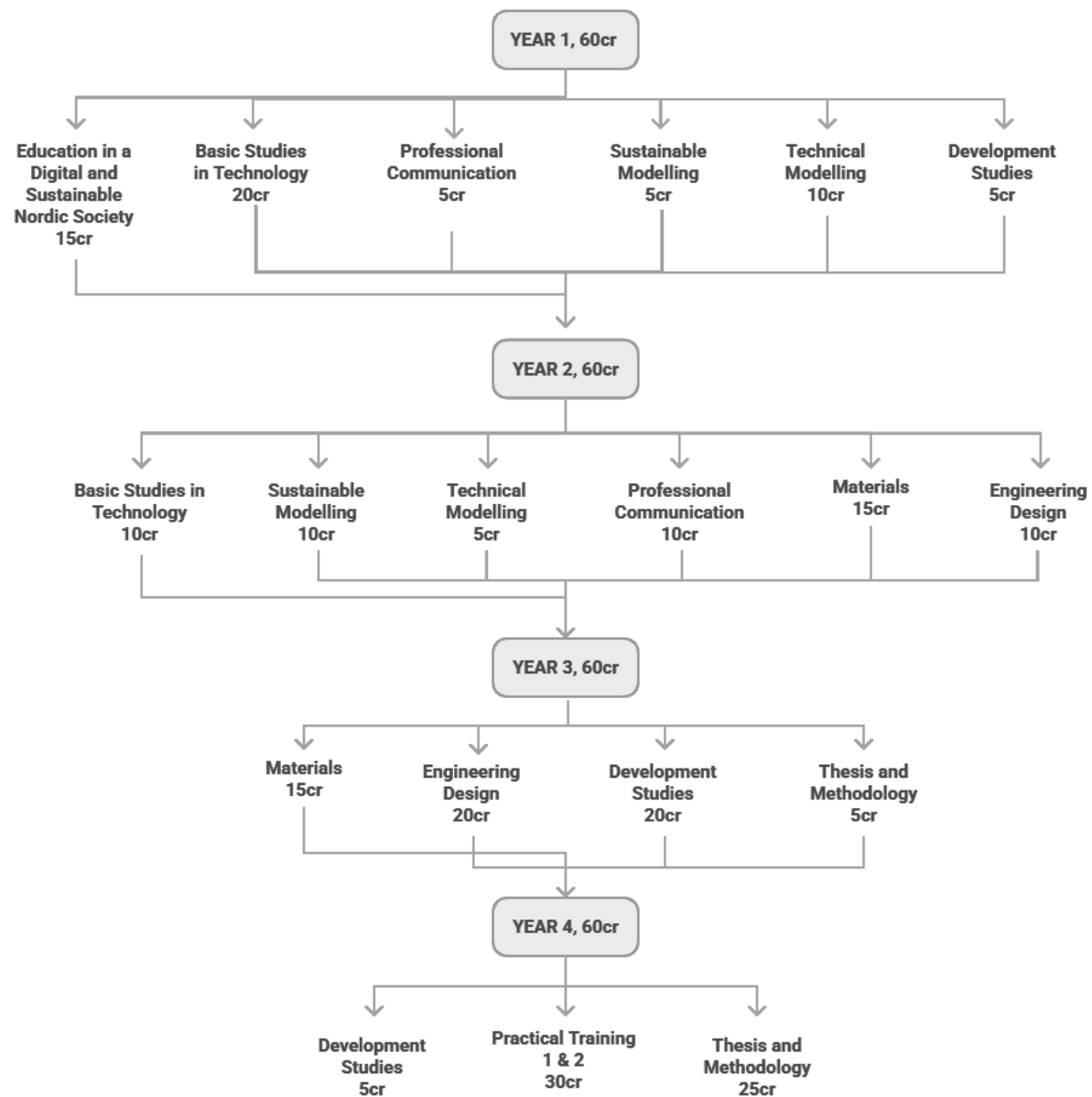
- In the study guide **START** – start.arcada.fi
 - Study plan
 - Structure of the studies
- In the student information system **SISU** – sisu.arcada.fi
 - The study plan has to be created
 - “Structure of studies”



Structure of studies

- **General education studies:** 15 cr
- **Professional studies:** 135 cr
 - Basic studies: 30 cr
 - Professional communication: 15 cr
 - Sustainable modelling: 15 cr
 - Technical modelling: 15 cr
 - Materials: 30 cr
 - Engineering Design: 30 cr
- **Practical Training:** 30 cr
- **Development studies:** 30 cr
- **Research studies:** 30 cr
 - Research Methods: 15 cr
 - Thesis: 15 cr

Structure of Studies MSE25 240cr





Studying at an UAS

- Versatile teaching and learning methods are applied.
- Fewer contact teaching lessons compared to upper secondary education.
- Students are expected to take responsibility for their own learning. ([Support is available for studies](#))
- The studies include a compulsory internship of 30 credits (ECTS). Students are responsible for finding their own internship placement.

Descriptions of courses (study units)



Teacher



Competences, learning outcomes, content of the course



Recommended or required reading



Study activities



Assessment methods and requirements



Course specific questions? - Contact the teacher

Assessment and examinations

- Assessment requirements and forms of examination are stated in the description of the course.
- Example of examination methods
 - exams
 - essays
 - assignments
 - reports
 - demonstrations or presentations
 - group work
- An approved study attainment is assessed with the grades:
 - excellent (5), very good (4), good (3), satisfactory (2), sufficient (1)
 - in specific cases, with the grade “passed”.

Mandatory presence?

- Check the course description or ask the teacher.
- If you are not able to be present during a lecture, please inform the teacher about the matter in advance (only valid reasons are accepted). The absence may be compensated with an e.g. obligatory pre-assignment.
- You are not entitled to extra support due to your absence.
- If you do not participate in the lectures or submit the prospective pre-assignment the teacher has the right to cancel your enrollment.

Check START for more detailed instructions

- Examinations (general)
- Degree Statutes (all of Arcada)
- Equality and equal treatment
- Arcada's quality culture

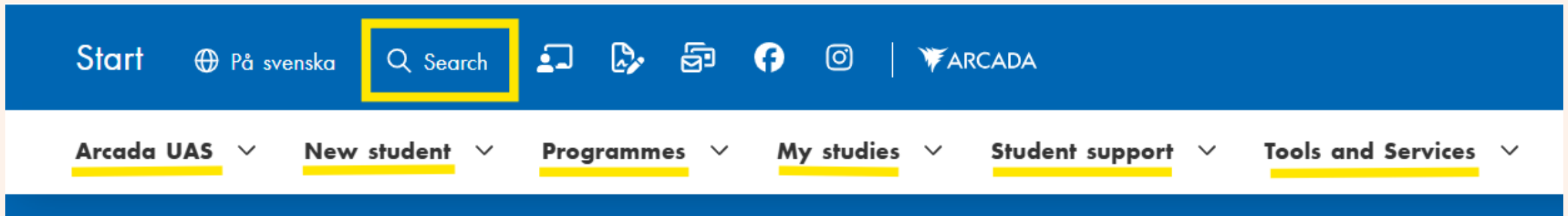


start.arcada.fi

What to do when I need help / have a question?

1. Go to Arcada's study guide START;

- <https://start.arcada.fi/en>
- Navigate between different options in the white bar on top of the page
- Use the search function if you can not find what you are looking for from the white bar



1. Continuation of START

Arcada UAS ▾	New student ▾	Programmes ▾	My studies ▾	Study support ▾	Tools and Services ▾
News Contact details Campus The university's organization The ambassador programme at Arcada Rules and rights	Before arriving in Finland After arriving in Finland Study start and Introduction Days When at Arcada International Student Advisor	Information Technology International Business Materials Processing Technology Mechanical and Sustainable Engineering Nursing Big Data Analytics (Master) Energy Automation Sustainable Engineering (Master) Healthcare Leadership (Master) International Business Management (Master) Machine Intelligence and Data Science (Master) Media Management (Master)	Sisu - The Study System Practical training and Careers Registration for the academic year and right to study The academic year and important dates Accreditation and Validation Itslearning Development studies and optional studies Language studies Exchange studies and practical training abroad Examinations Forms and certificates Degree Thesis Graduation Tuition fees After graduation	Library, information retrieval and course books Student Affairs IT-support Planning your studies Writing workshops and language support Student life Career Services Help with studies Well-being For international students	Sisu - student information system The Arcada App - Tuudo Your Arcada e-mail Arcadas online study environment Itslearning LinkedIn Learning - Competence development File management - Office365 Hub team work - Teams Information retrieval and references Writing Guide and Templates Security reports Vocabulary (English-Swedish) Password change

What to do when I need help / have a question?

2. If you can not find an answer to your question on Start, please contact the following people / team for help:

Psychologist and Student Social Worker

- Guidance and support in learning, wellbeing, special arrangements, and certificates in case of learning difficulties (e.g. dyslexia, ADHD/ADD), visual, hearing, or mobility impairments. <https://start.arcada.fi/en/study-support/well-being/study-counselling-and-support>

International Student Advisor

- Questions related to living and studying in Finland as an international student. <https://start.arcada.fi/en/study-support/for-international-students>

Study Coordinators at the Student Affairs Office

- Certificates, forms, academic year registration, scholarships, tuition fees, study rights, changes in the student register, and requests for transcripts or diplomas. <https://start.arcada.fi/en/study-support/student-affairs>

Study Coordinators at Sisu Support

- Technical issues and course enrollment in Sisu. <https://start.arcada.fi/en/my-studies/sisu-the-study-system>

Career Counsellors at the Career Centre

- Future plans / career choices, internships, CV:s, jobs. <https://start.arcada.fi/en/study-support/career-services>

Librarian and Information Specialists

- Finding course literature, citing sources. <https://start.arcada.fi/en/study-support/library-information-retrieval-and-course-books>

IT Support

- Questions or problems related to online tools. <https://start.arcada.fi/en/study-support/it-support>

International Coordinators

- Exchange studies, practical training abroad. <https://start.arcada.fi/en/my-studies/exchange-studies-and-practical-training-abroad>

Program Director

- Development studies, practical training, thesis. <https://start.arcada.fi/en/programmes/mechanical-and-sustainable-engineering>

When to contact your Study Counsellor?

- **If you have study related questions that include planning of studies at Arcada**
 - If you want to study in a faster pace and need an individual study plan
 - If you have fallen behind in your studies and need an individual study plan
 - Questions related to accreditation of previously gained degrees or courses at university level
- If you can not find an answer on [Start](#) and you do not know who to contact even after you have read through the list from the last slide.

Study counsellor

- Sofie Sundström
- Programs:
 - Mechanical and Sustainable Engineering
 - Materials Processing Technology
 - Energi- och miljöteknik
 - Materialteknik och hållbarhet
 - Process- och materialteknik
 - Socionom (dag)
- From January also working as Study curator
- Phone: 0294 282 651
- Email: sofie.j.sundstrom@arcada.fi



Application for accreditation or validation

General Principals:

- Only studies/competences that are required for the degree can be accredited.
- Important to apply for accreditation/validation of competences as soon as possible in your studies
- Studies completed more than 10 years ago must be validated.
- Start the process by contacting your study counsellor with your transcript of record.

Students can apply for accreditation of:

- Previous studies completed at another UAS or University in Finland / abroad, when the student can prove the studies with a transcript of record or through My Studyinfo
- More information and link to the form is found on [Start](#).

Students can apply for validation of:

- Internship or work experience
- Competences acquired informally through work life, in association or organisational activities
- Competence based on a combination of several different courses
- **Validation of professional studies**; information and link to form on [Start](#)
- **Validation of general studies, methodology studies, or language studies**; information on [Start](#) – application is done through Sisu

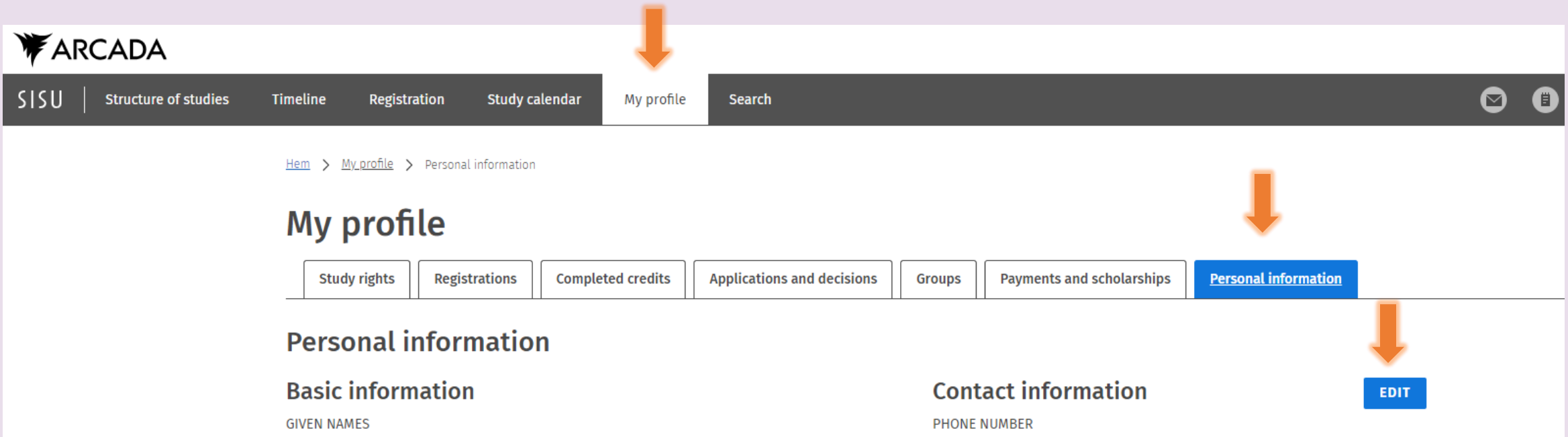
SISU - Arcada's student information system

- Log in to SISU through Start or go to sisu.arcada.fi



Contact information

- Go to **My profile - Personal information - Edit**



The screenshot shows the ARCADA web interface. At the top, the ARCADA logo is on the left, and a navigation bar contains links for SISU, Structure of studies, Timeline, Registration, Study calendar, My profile, and Search. An orange arrow points to the 'My profile' link. Below the navigation bar, a breadcrumb trail reads 'Hem > My profile > Personal information'. The 'My profile' section has a horizontal menu with tabs: Study rights, Registrations, Completed credits, Applications and decisions, Groups, Payments and scholarships, and Personal information. An orange arrow points to the 'Personal information' tab. Below this, the 'Personal information' section is divided into 'Basic information' (with the label 'GIVEN NAMES') and 'Contact information' (with the label 'PHONE NUMBER'). An orange arrow points to a blue 'EDIT' button located to the right of the 'Contact information' section.

ARCADA

SISU | Structure of studies | Timeline | Registration | Study calendar | My profile | Search

[Hem](#) > [My profile](#) > Personal information

My profile

Study rights | Registrations | Completed credits | Applications and decisions | Groups | Payments and scholarships | **Personal information**

Personal information

Basic information

GIVEN NAMES

Contact information

PHONE NUMBER

EDIT

Registration to courses

- The registration can be done in different ways, but today we are going to register through the study plan.
- Instructions also found on Start
 - [Registration via Study Plan](#)
 - [Course registration via Timeline](#)
- We will enroll to the first-year courses offered in P4 today, since you have already been enrolled to the ones for P3 (DL. Dec 31st).

Courses during first year



Fall 2025 (30 cr - completed)

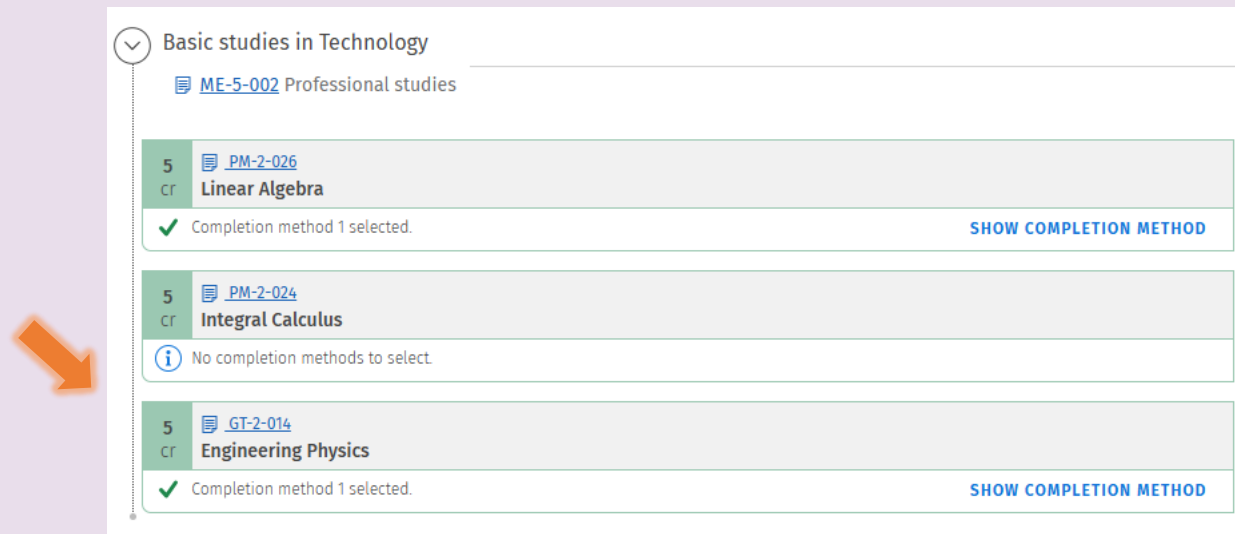
AS-1-044	Technology and Learning (5 cr)
GT-2-013	Engineering Chemistry (5 cr)
GT-2-024	Introduction to programming and automation (5 cr)
AS-1-045	Teamwork an Innovation (5 cr)
PM-2-026	Linear Algebra (5 cr)
PM-2-030	Technical Drawing (5 cr)

Spring 2026 (25 cr + development studies 5cr)

AS-1-046	Ethical and Sustainable Societal Development (5 cr)
PM-2-031	Computer Aided Design (5 cr)
SP-EN-002	English Academic writing (5 cr)
GT-2-014	Engineering Physics (5 cr)
GT-2-015	Environment and Resources(5 cr)
	Development study course (5cr)

Registration through the Study Plan

- The registration is done separately for all courses.
- Go to "**Structure of studies**"
- Start by selecting one course = click on the blue course code
 - **GT-2-014 Engineering Physics**



The screenshot shows a web interface for course selection. At the top, there's a dropdown menu labeled 'Basic studies in Technology'. Below it, a link 'ME-5-002 Professional studies' is visible. The main content area lists three courses, each with a green header bar containing the course code and name, and a white box below it showing completion status and a 'SHOW COMPLETION METHOD' link.

Course Code	Course Name	Completion Status	Action
PM-2-026	Linear Algebra	Completion method 1 selected.	SHOW COMPLETION METHOD
PM-2-024	Integral Calculus	No completion methods to select.	
GT-2-014	Engineering Physics	Completion method 1 selected.	SHOW COMPLETION METHOD

An orange arrow points to the 'GT-2-014 Engineering Physics' course entry.

Click on "Completion methods" & select the one for MSE

Engineering Physics (5 cr)

GT-2-014 | Course

Course version ⓘ

2025-2026 (Arcada); 2026-2027 (Arcad... (Placed in the p... ▾

Placed To: Basic studies in Technology

Status: Not completed

Grade: Not graded

Information sheet

Completion methods

Equivalences and substitutions

Cross-institutional studies

Completion methods

METHOD 1	ASSESSMENT ITEM	TEACHING	
SELECTED			
•	Participation in teaching (5 cr)	(EM + MTH) 23.3.2026–29.5.2026 (MSE) 23.3.2026–29.5.2026	<div>SELECT</div> <div>SELECT</div>

Click here to proceed to your registration



(MSE) (MSE) Engineering Physics, 23.3.2026–29.5.2026 selected. [Click here to proceed to your registration.](#)

Timeline Registration Study calendar My profile Search

Engineering Physics (5 cr)

GT-2-014 | Course

Course version ⓘ

2025-2026 (Arcada); 2026-2027 (Arcad... (Placed in the p... ▾

Placed To: Basic studies in Technology
Status: Not completed
Grade: Not graded

Information sheet **Completion methods** Equivalences and substitutions Cross-institutional studies

Completion methods

METHOD 1	ASSESSMENT ITEM	TEACHING
SELECTED		
✓	Participation in teaching (5 cr)	(EM + MTH) 23.3.2026–29.5.2026 (MSE) 23.3.2026–29.5.2026

SELECT
DELETE SELECTION

Registration – "REGISTER"

[Structure of studies](#) [Timeline](#) [Registration](#) [Study calendar](#) [My profile](#) [Search](#)

[Home](#) > [Registration](#)

Registration

▼

Courses and course implementations

Registration for the selected course implementation

Register (1)

[Engineering Physics, GT-2-014, \(MSE\) \(5 cr\)](#)

23.3.2026–29.5.2026

[Open registration details](#)

Registration ends on 16.3.2026 at 23.59

REGISTER

[Remove course implementation selection](#)

(0) registration(s) being processed

No registrations being processed.

Registration processed (0)

UPDATE VIEW

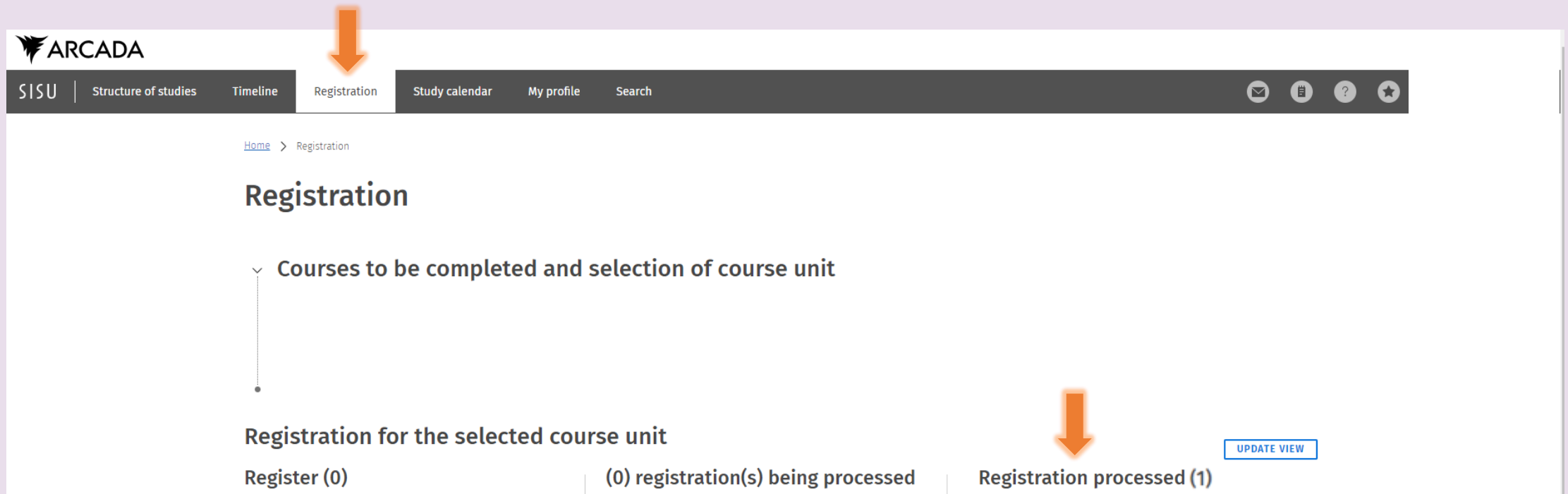
No processed registrations.

Scroll down and choose "CONFIRM"



- You are now registered to the course.

- You can later find your registration under **"Registration"** and **"Registration processed"**



ARCADA

SISU | Structure of studies | Timeline | **Registration** | Study calendar | My profile | Search

[Home](#) > Registration

Registration

▼ Courses to be completed and selection of course unit

Registration for the selected course unit

Register (0)	(0) registration(s) being processed	Registration processed (1)
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UPDATE VIEW

Now you register to the other courses

1. **GT-2-014 Engineering Physics** 
2. GT-2-015 Environment and Resources

If there are many implementations to the course, always choose the one where you see the code for your own program; “MSE” (If you cannot find “MSE”, look for ”engineers”)

Further guidance regarding enrollment to these are required (coming up next):

3. Development study course
4. MSE-INFO General information - Mechanical and Sustainable Engineering (Implementation: MSE25)

How to register?

1. Go to your study plan – "Structure of studies"
2. Click on the blue code for the study unit
3. Go to "Completion methods", find the right implementation and choose "SELECT"
4. A blue banner appears at the top of the page – "Click here to proceed to your registration"
5. Choose "REGISTER"
6. Scroll down and choose "CONFIRM"

Start the process again from paragraph 1 with the next course.

Development studies at Arcada

- You will need to complete in total 30cr, but during this first year you need 5cr.
 - Someone already completed Introduction to Engineering Mathematics and do not need to complete another one during this spring.
- The program/Arcada provides a few modules:
 - Introduction to Engineering Mathematics 5cr (P1) – 1st year
 - Finnish for beginners 15cr (P1-P3, Arcada module, found in the study plan) – 1st year
 - Circular economy 15cr (P2-P4) – 2nd year
 - Plastic Technology 15cr (P2-P1) – 3rd-4th year
 - Advanced Materials Technology 15cr (P1-P2) – 3rd year
 - Project 5-15cr (P1-P4) – 3rd year
 - **Entrepreneurship 5-15cr (P3-P4, Arcada module – on campus!)**
 - **Entrepreneurial Mindset & Skills 5cr (P3) – Start 7.1, extra session 8.1, 13.00-14.00 in A412**
 - **Business Practicalities 5cr (P3-P4) – Start 16.2**
 - **Business Modelling and Validation 5cr (P4) – Start 30.3**

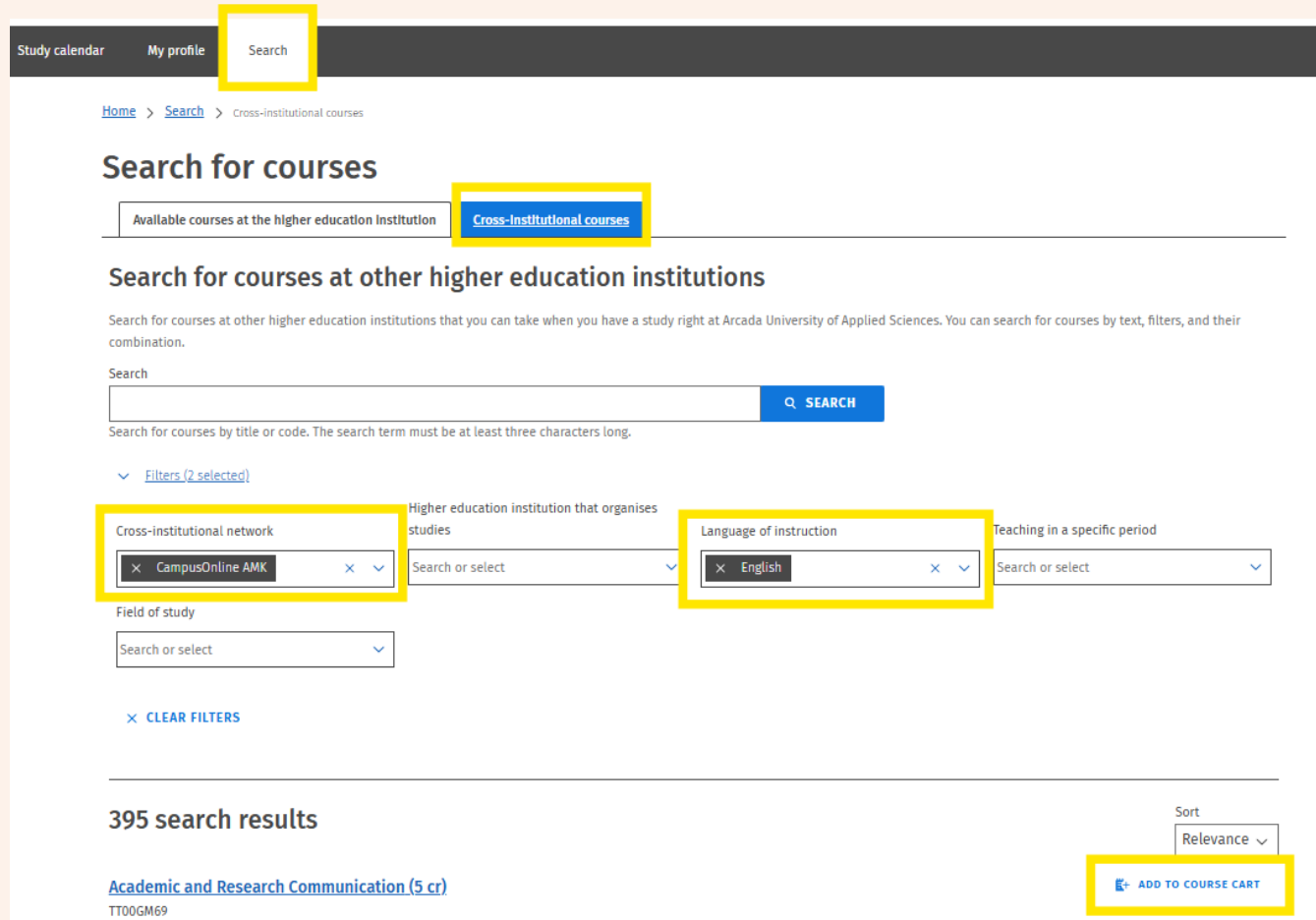
Development studies from Campus Online

- COL is a shared digital course offering provided by Finnish UAS
- Rules:
 - The courses must be on bachelor's level
 - Can not overlap with the content of mandatory courses in your study plan
 - Avoid courses that differ significantly from the thematic focus of your degree programme
 - Courses taken from COL needs to be approved by Program Director before enrollment
 - Note: the courses are provided in different ways, some are self study, some require online or at campus participation. Check that first!
- Rizwan Ullah (Program Director) has prepared a few options for you that he approves of, to make this enrollment go smoother.

How to find courses from Campus Online

More info and guidelines on Start:

- [Video](#)
- [Step by step; text](#)



The screenshot shows the Arcada Campus Online search interface. The top navigation bar includes 'Study calendar', 'My profile', and 'Search' (highlighted with a yellow box). Below the navigation bar, the breadcrumb trail is 'Home > Search > Cross-institutional courses'. The main heading is 'Search for courses'. Below this, there are two tabs: 'Available courses at the higher education institution' and 'Cross-institutional courses' (highlighted with a yellow box). The section is titled 'Search for courses at other higher education institutions'. A search bar with a 'SEARCH' button is present. Below the search bar, there are filters: 'Filters (2 selected)'. The filters include 'Cross-institutional network' with 'CampusOnline AMK' selected (highlighted with a yellow box), 'Higher education institution that organises studies' with 'Search or select' (highlighted with a yellow box), 'Language of instruction' with 'English' selected (highlighted with a yellow box), and 'Teaching in a specific period' with 'Search or select'. There is also a 'Field of study' filter with 'Search or select'. A 'CLEAR FILTERS' button is located below the filters. The search results section shows '395 search results'. The first result is 'Academic and Research Communication (5 cr)' with the code 'TT00GM69'. A 'Sort' dropdown menu is set to 'Relevance'. A yellow box highlights the 'ADD TO COURSE CART' button at the bottom right of the first result.

Study calendar My profile Search

Home > Search > Cross-institutional courses

Search for courses

Available courses at the higher education institution Cross-institutional courses

Search for courses at other higher education institutions

Search for courses at other higher education institutions that you can take when you have a study right at Arcada University of Applied Sciences. You can search for courses by text, filters, and their combination.

Search

Search for courses by title or code. The search term must be at least three characters long.

Filters (2 selected)

Cross-institutional network Higher education institution that organises studies Language of instruction Teaching in a specific period

× CampusOnline AMK × × Search or select × English × Search or select

Field of study

Search or select

× CLEAR FILTERS

395 search results

Academic and Research Communication (5 cr)
TT00GM69

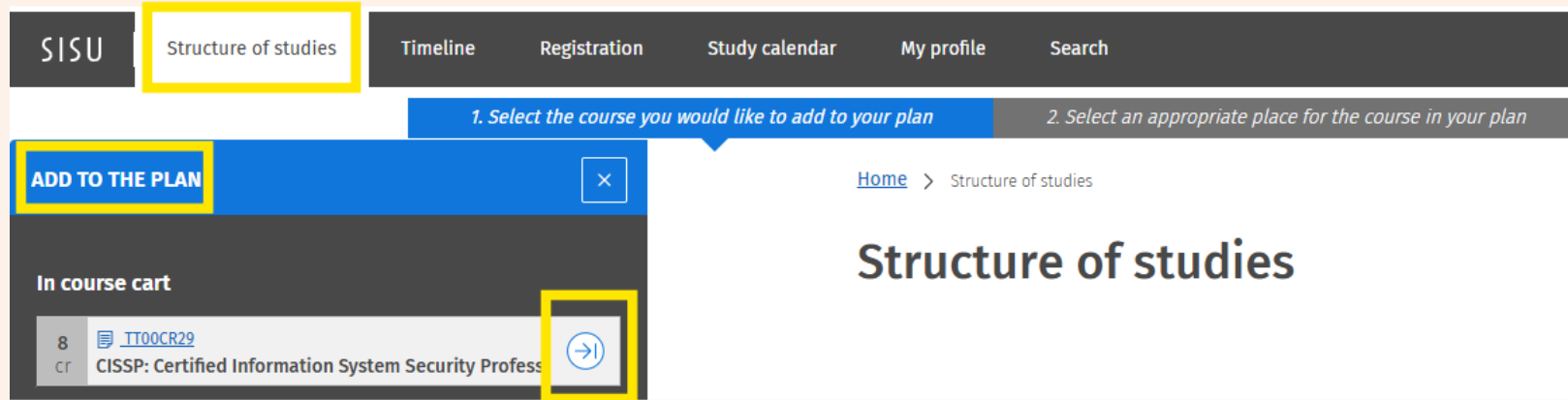
Sort
Relevance

ADD TO COURSE CART

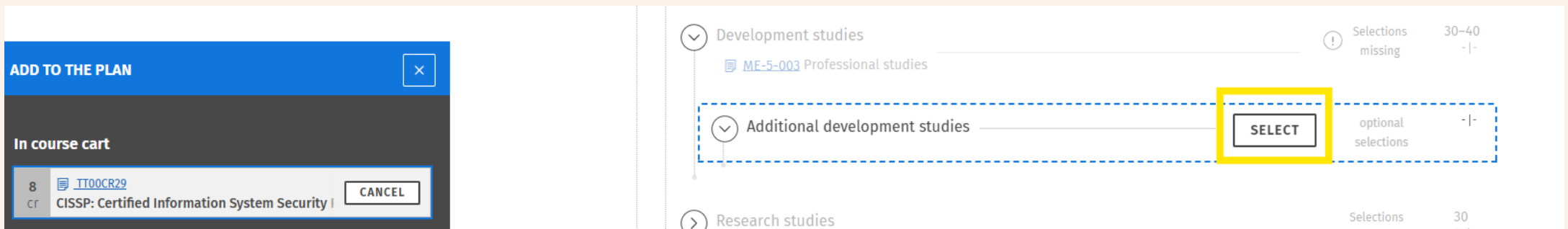
Course options from Campus Online (These are all self-study courses)

- **CISSP: Certified Information System Security Professional** (8 cr)
 - by Metropolia
- **Cybersecurity Fundamentals** (2 cr)
 - by Kajaani UAS
- **Entrepreneurship** (2 cr)
 - by LAB UAS
- **Entrepreneurship as a Part of Career** (1–5 cr)
 - by Laurea UAS
- **Explore the fundamentals of HTML and CSS** (5 cr)
 - by South-Eastern Finland UAS

When you have found the course you want to enroll to and have added it to the course cart:

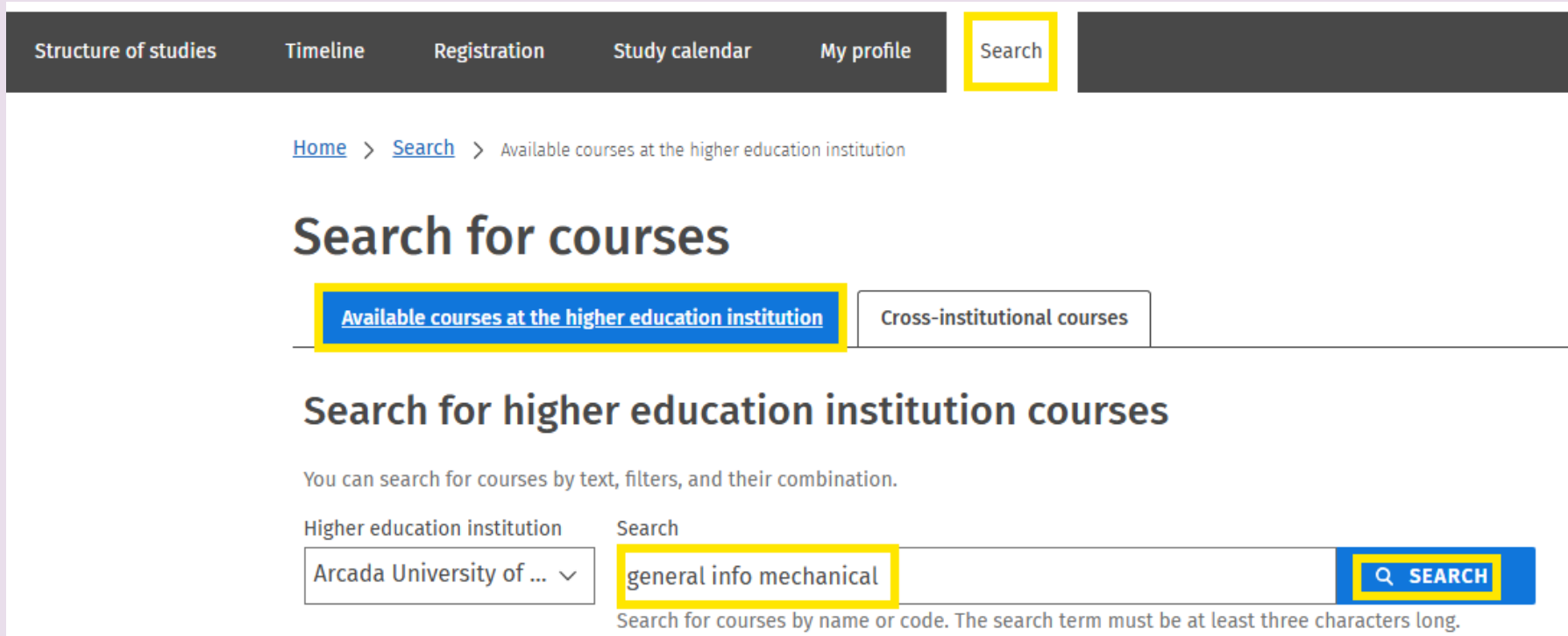


Scroll down until you come to Development studies – **Additional Development studies** and click on **Select**



How to find the study unit "General information MSE" and enroll to the right implementation

1. Click on "Seach" at the banner in Sisu and check that "Available courses at the higher education institution" is marked. Type "General info mechanical" and click on "Search":



The screenshot shows the Sisu search interface. At the top, a dark navigation bar contains links: "Structure of studies", "Timeline", "Registration", "Study calendar", "My profile", and "Search" (highlighted with a yellow box). Below this, a breadcrumb trail reads "Home > Search > Available courses at the higher education institution". The main heading is "Search for courses". Below it, two tabs are visible: "Available courses at the higher education institution" (highlighted with a yellow box) and "Cross-institutional courses". The section is titled "Search for higher education institution courses". A subtext says "You can search for courses by text, filters, and their combination." Below this, there are two input fields. The first is labeled "Higher education institution" and contains "Arcada University of ..." with a dropdown arrow. The second is labeled "Search" and contains "general info mechanical" (highlighted with a yellow box). To the right of the search input is a blue button with a magnifying glass icon and the text "SEARCH" (highlighted with a yellow box). At the bottom, a small note reads "Search for courses by name or code. The search term must be at least three characters long."

How to find the study unit "General information MSE" and enroll to the right implementation

2. One search result will show up. Click on the blue name of the course "General information - Mechanical and Sustainable Engineering (0 cr)", which has the course code MSE-INFO:

1 search result

[General information - Mechanical and Sustainable Engineering \(0 cr\)](#)
MSE-INFO

Sort
Relevance ▾

⚙️+ ADD TO COURSE CART

This is not a real course. This course is only used to inform students about important schedules and events that you need to attend.

Course's Language Of Learning: English	Curriculum Period: 2025-2026
Language Of Instruction: English, Swedish	Organiser: Arcada University of Applied Sciences
Teaching Period: Unknown	Higher Education Institution: Arcada University of Applied Sciences

How to find the study unit "General information MSE" and enroll to the right implementation

3. Click on "Completion methods":

General information - Mechanical and Sustainable Engineering (0 cr)

MSE-INFO

Course version [i](#)

2024-2025 (Arcada); 2025-2026 (Arc... ▼

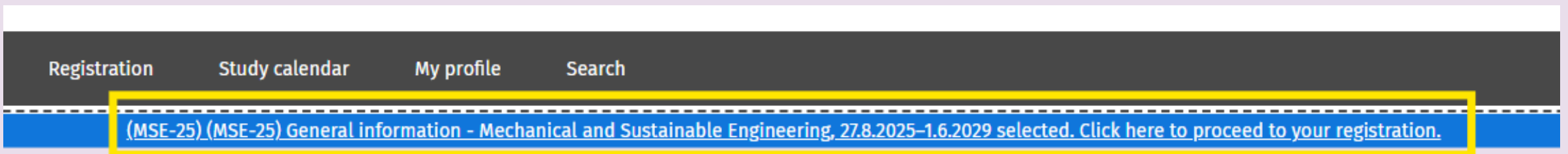
Information sheet	Completion methods	Equivalences and substitutions	Cross-institutional studies
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4. Look for "MSE25" and click on "Select":

(MSE-25) 27.8.2025–1.6.2029	SELECT
(MSE-22) 28.8.2025–29.5.2026	SELECT
(MSE-24) 28.8.2025–2.6.2028	SELECT
(MSE-23) 28.8.2025–28.5.2027	SELECT

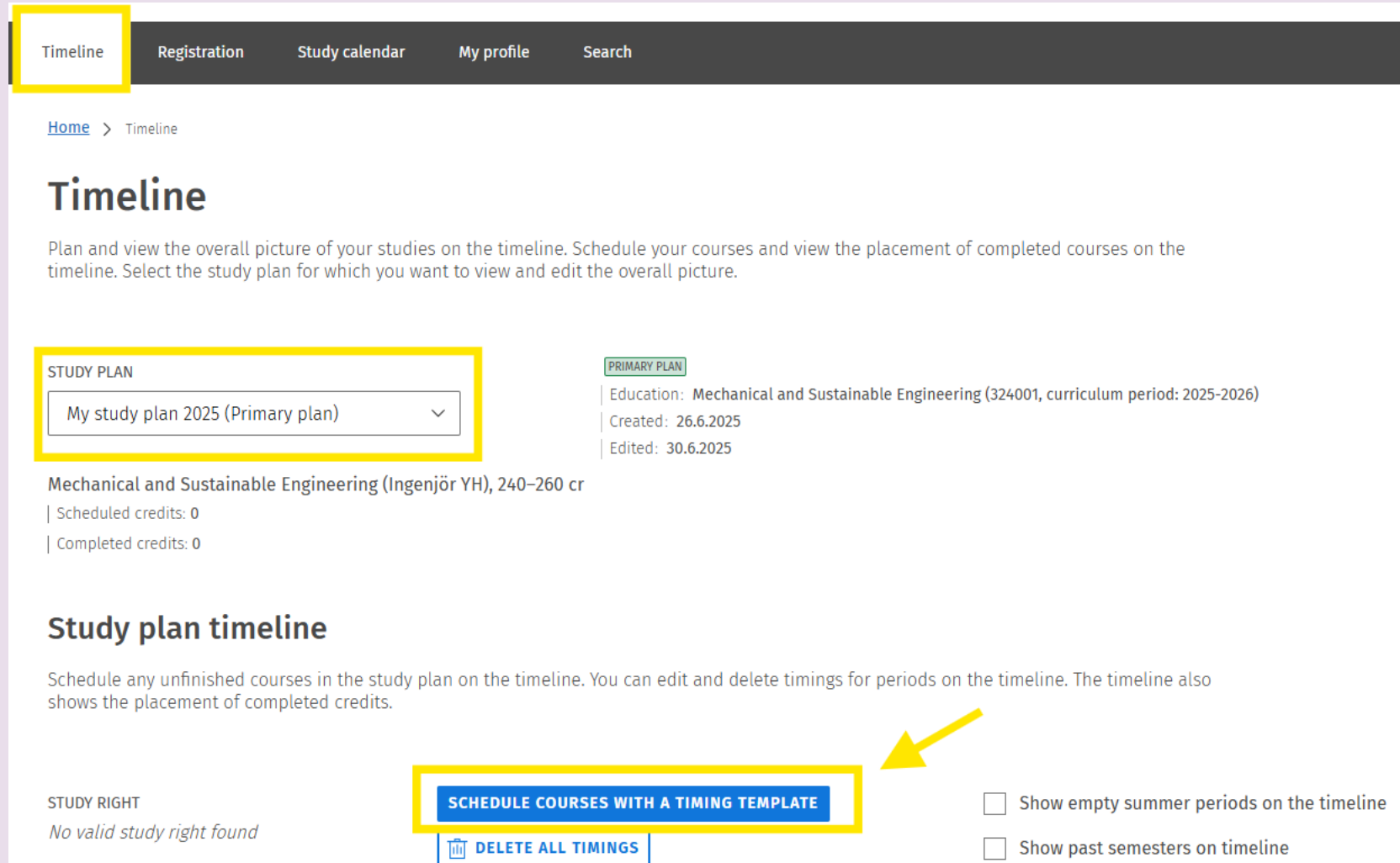
How to find the study unit "General information MSE" and enroll to the right implementation

5. You will then be able to follow the same steps as you usually do when you enroll to courses; Click on the blue banner on the top of the page and continue with the rest of the enrollment process:



How to see when your courses are running in Sisu?

1. Go to **Timeline**
2. Check that your **Primary Study plan** is selected in the dropdown menu
3. Click on **Schedule courses with timing template.**



Timeline Registration Study calendar My profile Search

[Home](#) > Timeline

Timeline

Plan and view the overall picture of your studies on the timeline. Schedule your courses and view the placement of completed courses on the timeline. Select the study plan for which you want to view and edit the overall picture.

STUDY PLAN

My study plan 2025 (Primary plan) ▼

PRIMARY PLAN

Education: Mechanical and Sustainable Engineering (324001, curriculum period: 2025-2026)
Created: 26.6.2025
Edited: 30.6.2025


Mechanical and Sustainable Engineering (Ingenjör YH), 240–260 cr
| Scheduled credits: 0
| Completed credits: 0

Study plan timeline

Schedule any unfinished courses in the study plan on the timeline. You can edit and delete timings for periods on the timeline. The timeline also shows the placement of completed credits.

STUDY RIGHT
No valid study right found

SCHEDULE COURSES WITH A TIMING TEMPLATE

 **DELETE ALL TIMINGS**

☐ Show empty summer periods on the timeline
☐ Show past semesters on timeline

How to see when your courses are running in Sisu? Continuation..

4. Select the right timing template. It should say “Mechanical and Sustainable Engineering 2025”.

5. Click on **Schedule**.

Schedule courses using a timing template

Schedule courses on the timeline using the higher education institution's timing template.

- The timing template will schedule the unscheduled **required** courses in your study plan in the periods planned for them.
- Schedule the unscheduled **optional** courses in your study plan on the timeline by using the Schedule Courses function. Also use this function if there is no timing template.

Mechanical and Sustainable Engineering (Ingenjör YH)

TIMING TEMPLATE

Select

Mechanical and Sustainable Engineering 2025

CANCEL

SCHEDULE

How to look at your schedule in Sisu?

➤ Go to **Study calendar**



SISU | Structure of studies | Timeline | Registration | **Study calendar** | My profile | Search

[Home](#) > [Study calendar](#) > Registration

Study calendar

TODAY < >

5.–11.1.2026

wk 2	Mon 5.1.	Tue 6.1.	Wed 7.1.	Thu 8.1.	Fri 9.1.
06.00					

Your Arcada email

- **Always use your Arcada email when you contact someone in the personnel**
 - Sign your email with your **First name, Last name, student number, study program and the year of the start of your studies (MSE2025)**.
 - **Read your emails regularly**
 - **You are signed up for the right mailing list** (mechanical2025)

Questions?



arcada.fi

Thank you!

Have a great day!



arcada.fi