



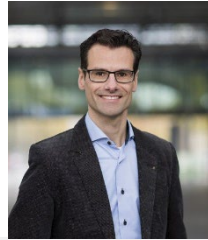
Master Kick off – Get to know your program *Master Automotive Technology*

Ann De Veirman – academic advisor AT
Marike Koopmans – program coordinator AT

August 2023

WHO ARE WE?

STAFF BEHIND THE SCENES – MASTER AT, S&C, SET



Theo Hofman

*Program Director
AT*



Yves Houben

Manager ESA-ME



Ann De Veirman

*Academic advisor AT,
SET & SC*



Marike Koopmans

*Program Coordinator
AT, SET & SC*



Paula Verbeek

*Policy Advisor ESA-
ME*



Paul Klijn

*secretary EC AT,
SET & SC*



Kim van Waesberge

*CSA officer AT, SET &
SC*



**Monique van de
Donk**

*Internationalization
officer ESA-ME*

INTRODUCTION MASTER PROGRAM AT

- **Academic year agenda: how to prepare yourself!**
- Study management
- Coaching
- Student life at TU/e

Academic year agenda: Q1

Date	Activity
<ul style="list-style-type: none">• 27 August• 1 September (AKR)• 8 September: New TU/e students only	<p>Courses:</p> <ul style="list-style-type: none">• Closing date registration for courses quarter 1• Register yourself for two core courses and for one elective or specialization course in Osiris
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September/October	Student mentor meetings (invitation will follow)

Your first priority NOW: Registration of Q1 courses

- The deadlines for Q1:
 - deadline for course registration was Aug 27, AKR (administrative cost regulation; 20€) deadline is Sept 1 5PM. For new TU/e students (only!) the Q1 deadline is extended to Sept 8!
Send an e-mail to: esahelpdesk@tue.nl; Subject: 'aanmeldverzoek' followed by 'course code'.
 - Deadline for exam registration is Oct 16.
 - After the deadline registration is no longer possible!
- You have to register for your **courses and exams** in Osiris!
Attention: make sure to use the check mark 'exams' in Osiris.
- You are only allowed to take the exam with an exam registration (Osiris).
- You have to register for resits. This is not done automatically.

QUESTIONS? Contact esahelpdesk@tue.nl

AT: an interdisciplinary study

Cooperation between 5 departments:

- Electrical Engineering
- Industrial Engineering and Innovation Sciences
- Industrial Design
- Mathematics and Computer Science
- Mechanical Engineering

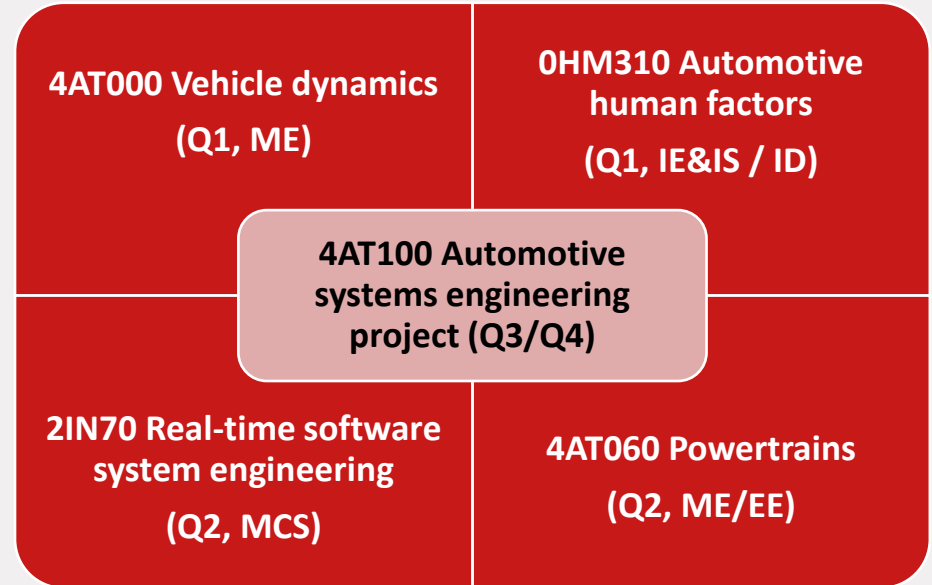
Mechanical Engineering is the coordinating department.

You will be allocated for your specialization within one of these departments.

But remember: **the procedures and regulations for the MSc program AT apply** to you, not the procedures of the department or section where you are allocated!

Program overview & core program

Year 1	<ul style="list-style-type: none"> • Core program (30 EC) • Specialization courses (15 EC) • Free electives (incl. homologation, 15 EC) 	
Year 2	<p>Internship</p> <p>15 EC</p>	<p>Graduation project</p> <p>45 EC</p>



Students who completed the course 4RC20 during their BSc program. 4AT060 will be replaced by the course 5AT010 Electric Components (2,5 EC) and one specialization course (min. of 2,5 EC) from the list of specialization courses 20/21

COURSES: FOR SPECIALIZATION

- 15 EC for specialization courses
- Choose from the list 'courses MSc AT 2022/23'
- Courses are linked to (offered by) a section
- You can choose **every** specialization course from the list!
- Most courses are 5 EC, some are 2.5 EC

Discuss with your mentor which courses suit your specialization and personal profile.

The image shows a course catalog for MSc Automotive Technology (AT) 2022/23, organized into four quarters. Each quarter section has a red header bar with the text 'Specialization courses'. The catalog lists various courses with their codes, titles, and credit values. The courses are grouped by quarter, and the catalog is presented at an angle.

Quarter	Course Code	Course Title	EC
Quarter 1	MS1	Mathematics I	5
	MS2	Mathematics II	5
	MS3	Mathematics III	5
	MS4	Mathematics IV	5
	MS5	Mathematics V	5
	MS6	Mathematics VI	5
	MS7	Mathematics VII	5
	MS8	Mathematics VIII	5
	MS9	Mathematics IX	5
	MS10	Mathematics X	5
	MS11	Mathematics XI	5
	MS12	Mathematics XII	5
	MS13	Mathematics XIII	5
	MS14	Mathematics XIV	5
	MS15	Mathematics XV	5
	MS16	Mathematics XVI	5
	MS17	Mathematics XVII	5
	MS18	Mathematics XVIII	5
	MS19	Mathematics XIX	5
	MS20	Mathematics XX	5
Quarter 2	MS21	Mathematics XXI	5
	MS22	Mathematics XXII	5
	MS23	Mathematics XXIII	5
	MS24	Mathematics XXIV	5
	MS25	Mathematics XXV	5
	MS26	Mathematics XXVI	5
	MS27	Mathematics XXVII	5
	MS28	Mathematics XXVIII	5
	MS29	Mathematics XXIX	5
	MS30	Mathematics XXX	5
	MS31	Mathematics XXXI	5
	MS32	Mathematics XXXII	5
	MS33	Mathematics XXXIII	5
	MS34	Mathematics XXXIV	5
	MS35	Mathematics XXXV	5
	MS36	Mathematics XXXVI	5
	MS37	Mathematics XXXVII	5
	MS38	Mathematics XXXVIII	5
	MS39	Mathematics XXXIX	5
	MS40	Mathematics XL	5
Quarter 3	MS41	Mathematics XLI	5
	MS42	Mathematics XLII	5
	MS43	Mathematics XLIII	5
	MS44	Mathematics XLIV	5
	MS45	Mathematics XLV	5
	MS46	Mathematics XLVI	5
	MS47	Mathematics XLVII	5
	MS48	Mathematics XLVIII	5
	MS49	Mathematics XLIX	5
	MS50	Mathematics L	5
	MS51	Mathematics LI	5
	MS52	Mathematics LII	5
	MS53	Mathematics LIII	5
	MS54	Mathematics LIV	5
	MS55	Mathematics LV	5
	MS56	Mathematics LVI	5
	MS57	Mathematics LVII	5
	MS58	Mathematics LVIII	5
	MS59	Mathematics LIX	5
	MS60	Mathematics LX	5
Quarter 4	MS61	Mathematics LXI	5
	MS62	Mathematics LXII	5
	MS63	Mathematics LXIII	5
	MS64	Mathematics LXIV	5
	MS65	Mathematics LXV	5
	MS66	Mathematics LXVI	5
	MS67	Mathematics LXVII	5
	MS68	Mathematics LXVIII	5
	MS69	Mathematics LXIX	5
	MS70	Mathematics LXX	5
	MS71	Mathematics LXXI	5
	MS72	Mathematics LXXII	5
	MS73	Mathematics LXXIII	5
	MS74	Mathematics LXXIV	5
	MS75	Mathematics LXXV	5
	MS76	Mathematics LXXVI	5
	MS77	Mathematics LXXVII	5
	MS78	Mathematics LXXVIII	5
	MS79	Mathematics LXXIX	5
	MS80	Mathematics LXXX	5

COURSES: FREE ELECTIVES (15 EC)

Courses on Master level intended to broaden or deepen your knowledge

- extra specialization courses.
- all TU/e courses on Master level
- an extension of the internship with 5 EC
- deficiency courses (determined by the admission committee or in consultation with mentor)
- **homologation modules** that are offered for AT, and complementary to the student's background

COURSES: FREE ELECTIVES (15 EC)

Be aware:

- No overlap between courses allowed (in free electives and specialization)
- You need approval of the courses

TU/e courses on Bachelor level only if:

- indicated as necessary by the department admission committee upon admission to the program and/or
- necessary as personal deficiency courses and/or
- necessary as homologation module for specific groups of students
- max 15EC; approval of examination committee required

HOMOLOGATION COURSES

Opportunity to work on deficiencies

- 4MW20 Matlab simulink (2.5 EC, Q1)
 - For international / non-TU/e students without matlab experience -> **strongly recommended**
- 2IHC10 C++ and computer organization (2.5 EC, Q1)
 - Only for students without any knowledge on this subject -> **strongly recommended**
- 4SE010 Heat, flow and thermodynamics (2.5 EC, Q1)
 - For BSc electrical engineering
 - Not needed for BSc Mechanical Engineering!

No permission of examination committee required, approval of mentor required

Academic year agenda: Q1

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MASTER ALLOCATION PROCEDURE (4MAPAT)

Implemented within the Department of Mechanical Engineering to allocate students to sections:

- affects students within the sections in the Department of Mechanical Engineering
- can also affect students choosing a section in one of the partner departments

For more detailed information go to educationguide.tue.nl

TIMELINE MAP (4MAPAT)

Specialization meeting AT September 14 (Thursday afternoon)

Centrally organized specialization information meeting	Possibility for sections to organize an extra information meeting	<ul style="list-style-type: none"> ➤ 1st, 2nd and 3rd preference for a section in OSIRIS STUDENT: 4MAPAT / 4MAPSET ➤ Upload CV + motivation letter in CANVAS 	<ul style="list-style-type: none"> ➤ Selection round 1 ➤ Allocation in second half of week 5 	<ul style="list-style-type: none"> ➤ Selection round 2 / 3 ➤ Allocation in second half of week 6
Week 2 of Q1 11 – 15 Sept	Week 3 – 4 of Q1 18 – 29 Sept	Deadline 2 Oct 2023, 9:00 AM <u>Open: Tuesday 19 Sept</u>	Week 5 of Q1 2 – 6 Oct	First half of week 6 of Q1 9 – 13 Oct

Academic year agenda: Q1

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CANS/RSI and Work safety *For new TU/e students only*

Information meetings will be organized.

You will receive an invitation during the first quarter.

MANDATORY under Dutch law

Your presence will be checked

Looking ahead!

Student meetings – year 1 & 2

Goals:

- Sharing experiences at the TU/e and in the Master's program
- Sharing information about what you need to arrange for the next stage of your Master's program
- Community feeling



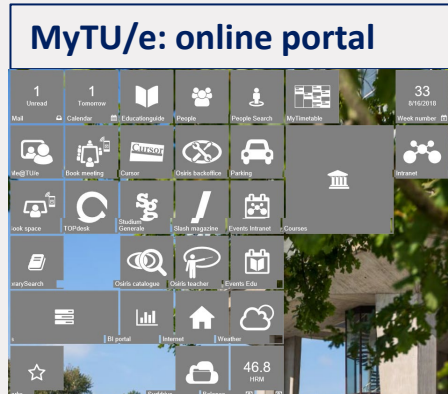
Topics Master Kick-off, Specialization and Q meetings:

Year 1: Master Kick-off (August)	Specialization meeting AT (September 14 th)	Year 1: Q2 meeting (November)	Year 1: Q3 meeting (March)	Year 1: Q4 meeting (May)	Year 2: Q1 meeting (October)
<ul style="list-style-type: none">• Program Introduction• Study management & coaching• Information & support	<ul style="list-style-type: none">• Specialization choice - MAP• Information session about specialization options	<ul style="list-style-type: none">• Specialization choice• To do list• Registration exams and Q2 courses• Fraud basics• Evaluation	<ul style="list-style-type: none">• Quality assurance: NSE• Practicalities• How to find an internship?• Evaluation	<ul style="list-style-type: none">• How to organise your internship?• How and when to search for a graduation project?	<ul style="list-style-type: none">• How to organize the graduation project (online meeting)

INTRODUCTION MASTER PROGRAM AT

- Academic year agenda: how to prepare yourself!
- **Study management**
- Coaching
- Student life at TU/e

ONLINE EDUCATIONAL SYSTEMS



Education guide: Program overview, elective courses list, homologation courses, procedures, examination committee, teaching and examination rules



Osiris: course and exam registration, progress overview



Canvas: Learning management system, course information, course materials, assignments, 4INFOAT, etc.



MyTimetable: personal time schedule

More information + videos: <https://educationguide.tue.nl/studying/services/online-systems/>

ONLINE EDUCATION GUIDE

<https://educationguide.tue.nl/>

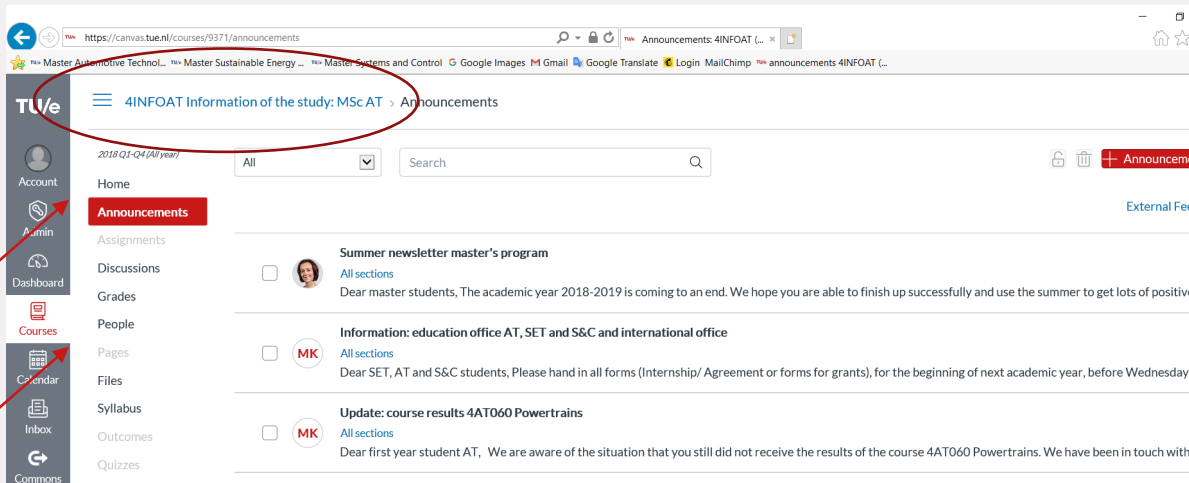
Go to: Programs > Graduate School > Master's Programs > Automotive Technology

- Program overview
- Specialization courses list
- Homologation courses
- Procedures
- Examination committee
- Teaching and examination rules

Regularly check the [to-do list](#) !

The screenshot shows the TU/e website interface. At the top, the TU/e logo (Eindhoven University of Technology) is on the left, and navigation links for 'INTRANET', 'TU/E WEBSITE', and 'NEDERL...' are on the right. A red navigation bar contains 'Programs', 'Practical info', 'Career & Skills', and 'Student life'. Below this, a breadcrumb trail reads 'Home / Programs / Graduate Schoo... / Master's progr... / Automotive Tec...'. The main heading is 'Master Automotive Technology'. On the left, a sidebar menu lists 'Home Automotive Technology', 'To-do list', 'Curriculum', 'Specializations', 'Master Allocation Procedure', and 'International assistance'. The main content area features a sub-heading 'Master Automotive Technology' and a section 'Education Guide to the master's program of Automotive Technology' with a welcome message and introductory text.

4INFOAT (CANVAS, MANDATORY)



You will be added to the course, if not do it yourself!!!!

Student information meetings will be announced here.
Student information will be posted here.

Read your TU/e mail!

Study management: the PSV approach

Prioritize-Specify-Visualize



Prioritize:

- Register for 15EC courses
 - 15EC courses requires 420 study hours (1EC = 28 hours)
 - 20EC is allowed, but not recommended
- Make a priority list: which course is the most important to pass this Q?
 - It is recommended to focus first on the core and homologation courses.

Why such a priority list?

If the workload is too high, you can drop the course that is lowest on your priority list.

There may be foreseeable and unforeseen reasons why the workload in a Q is too high for you (think about illness, other non-study related activities, etc)

Study management: the PSV approach

Prioritize-Specify-Visualize



Specify

- Each course of 5EC requires 140 study hours
- Specify what you need to do for this course: e.g. follow lectures or read the lecture slides, work out your lecture notes (after the lecture), make assignments, look for more information in the textbook, attend and prepare meetings with peers (project courses)
- Estimate for every activity how much time that is going to cost you (weekly) and indicate when extra time is required to meet deadlines for assignments or interim exams.
- If you find it difficult to plan, you can
 - Discuss with peers
 - Plan a meeting with the academic advisor ([via this link](#))
 - Consider to contact [the study management advisor](#) and to follow a study management training

Study management: the PSV approach

Prioritize-Specify-Visualize



Visualize

- Put the activity blocks in a visual 10-week agenda (1Q = 10 weeks)
 - Include lectures, guided self-study, exams
 - Indicate if they are **on-campus or online** (information to be found in Canvas)
 - Allow yourself some free time for sports, leisure, meeting friends etc.
 - For Q1: do not forget to plan the MAP activities

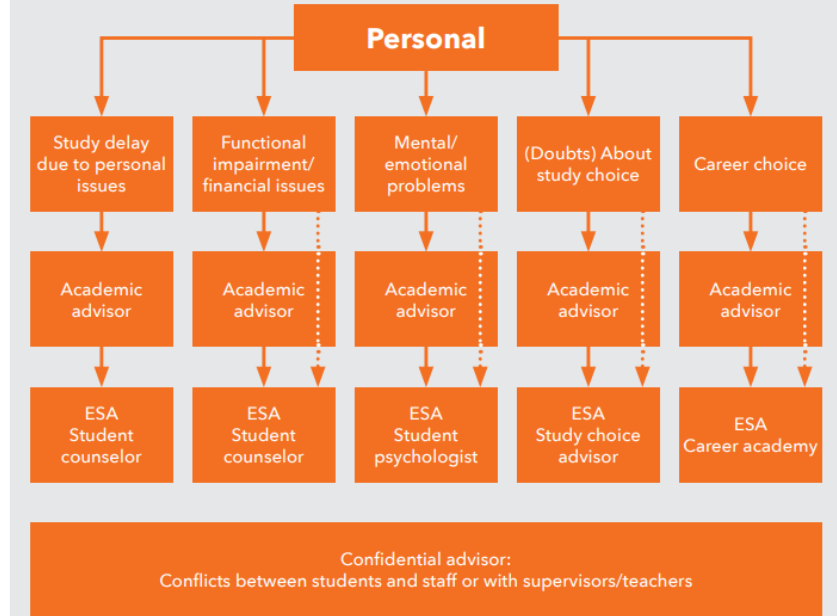
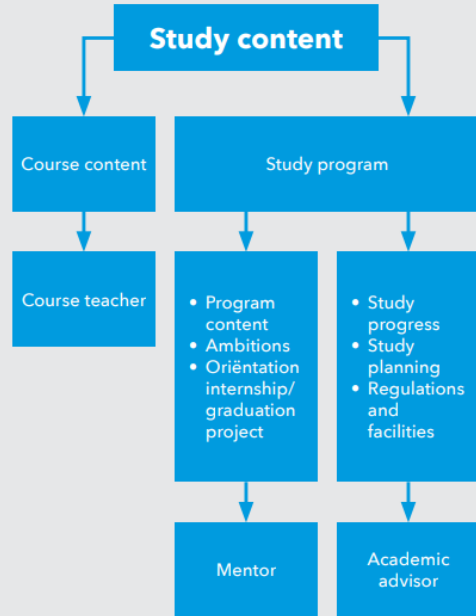
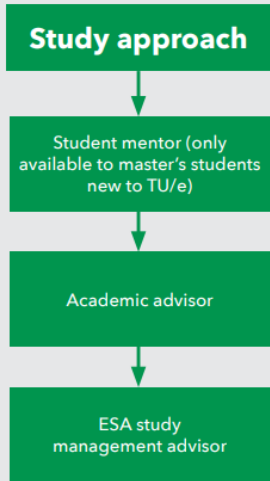
If the conclusion is that your agenda is too full, go back to P (PSV is an iterative approach)

USE THE PSV APPROACH BEFORE THE START OF EACH Q

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Student guidance for master's students

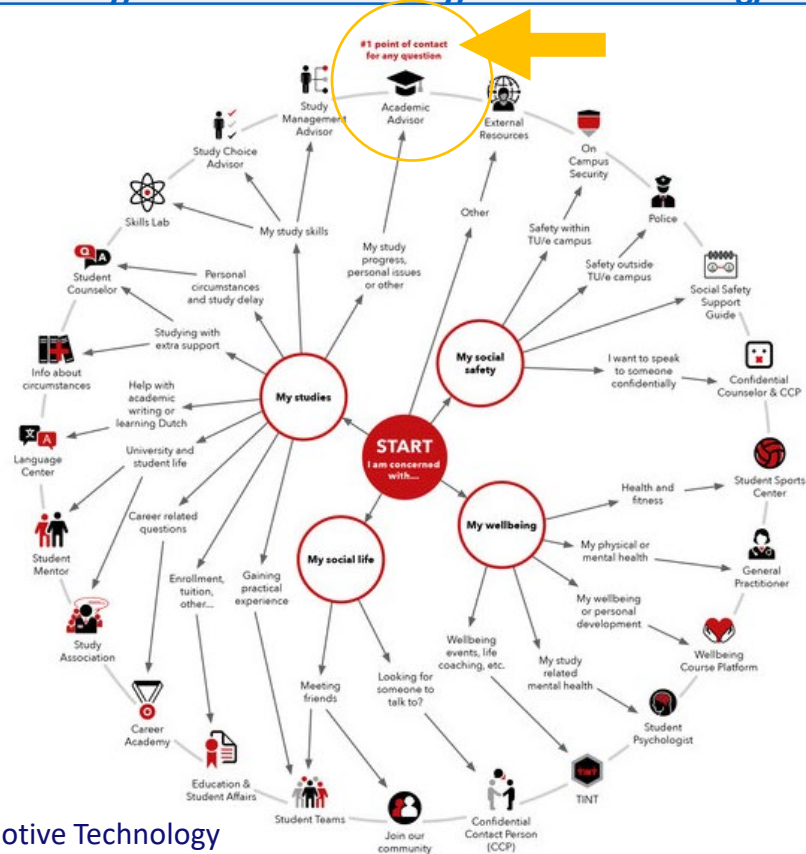


Also check: <https://www.tue.nl/en/our-university/about-the-university/student-wellbeing>

More information? Check it on the [student guidance page](#). Also have a look at the **group training sessions** we offer.
Not sure where to go? Contact your academic advisor.

Where to find support?

<https://www.tue.nl/en/our-university/about-the-university/student-wellbeing/where-to-find-support>



COACHING – STUDY APPROACH – PROGRESS - PERSONAL

Academic advisor: Ann De Veirman (me.academic.advisor.at.sc.set@tue.nl)

- First point of contact
- Advice and help to enhance study progress (also in case of personal issues)
- Information about the regulations and how to organise your study
- Personal and confidential appointments

Please do not use my personal email address

- Read first the information in the education guide and on Canvas
- Ask specific questions
- Always mention your name, program (MSc AT) and student ID
- **Contact us in time**

COACHING – STUDY APPROACH

Student mentor (for students NEW at the TU/e):

- Supports you in finding your way at TU/e, the campus and the city of Eindhoven
- First point of contact in your first week at TU/e
- Organizes several group and individual meetings (attendance is recommended)
- Various topics will be covered (study, culture, education systems, exams, sports & leisure, etc.)

There are 3 student mentors (Aryan, Dimitrios, Pruthvi).

NEW THIS YEAR:

The student mentors will also invite MSc AT students who studied already at the TU/e to join some of the meetings of the mentor groups (please join the meeting in wk3).

Goal: to help you to get to know all students in your MSc program.

COACHING – STUDY CONTENT

Mentor (academic staff member)

- Guides you in choosing your specialization electives and in compiling your curriculum
- Guides you in making a choice for an internship & graduation project and in finding a subject and location
- Discusses your plans to improve your professional skills
- Supports you in thinking about your career path

Internship supervisor: Is responsible for your graduation project (can be your mentor)

Thesis supervisor: Is responsible for your graduation project (can be your mentor or internship supervisor)

INTRODUCTION MASTER PROGRAM AT

- Academic year agenda: how to prepare yourself!
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Student life at TU/e

- Simon Stevin, study association Mechanical Engineering (lunch lectures for MSc students)
- EIRES: Energy lectures
- Cosmos, international students
- Students Sport Centre
- Student teams
- Teaching assistant
-

**Questions? Discuss with
your student mentor!**

If you have additional questions ...

- Contact the academic advisor (Ann De Veirman)
E-mail: academic.advisor.at.sc.set@tue.nl