WHO ARE WE?

STAFF BEHIND THE SCENES – MASTER AT

Theo Hofman	**Yves Houben**	**Ann De Veirman**	**Paul Klijn**	**Lizzi Akintola**
Program Director AT	*Manager ESA-ME*	*Academic Advisor AT, S&C*	Secretary Excie AT, SET, S&C	*Program Coordinator AT, S&C, SET*

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WELCOME!

INTRODUCTION MASTER PROGRAM AT

- **Academic year agenda: how to prepare yourself!**
- Study management
- Student guidance
- Program Committee AT

Academic year agenda: Q1

Date	Activity
Registration: 15 Jun to 25 Aug **AKR: 26 Aug to 30 Aug** **New TU/e students: 6 Sep**	**Courses:** • **Closing date registration for courses quarter 1** • **Register yourself for two core courses and for one elective or specialization course in Osiris**
2nd September	Start courses
12th September	Specialization meeting (invitation via CANVAS 4INFOAT)
September/October	CANS/RSI and Work safety (invitation will follow)
September/October	Student mentor meetings (invitation will follow)

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Your first priority NOW: Registration of Q1 courses

- The **deadlines** for Q1:
  - deadline for course registration was Aug 25, AKR (administrative cost regulation; 20€) deadline is Aug 30 5 PM.
  - Deadline for exam registration is Oct 15.
  - After the deadline registration is no longer possible!
  - For new TU/e students (only!) the Q1 deadline is extended to Sept 6! Send an e-mail to: esahelpdesk@tue.nl; Subject: 'Q1 course registration (1st enrollment at TU/e)' followed by 'course code'.

- You have to register for your **courses and exams** in Osiris!
  Attention: check your exam registration 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

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AT: an interdisciplinary study

Cooperation between 5 departments:

- Electrical Engineering

- Industrial Engineering and Innovation Sciences

- Industrial Design

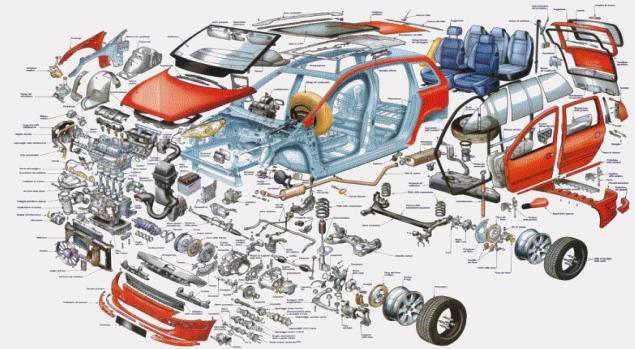- Mathematics and Computer Science

- Mechanical Engineering

Systems engineering perspective
- Understanding the relations between disciplines
- Considering all aspects of the vehicle

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!
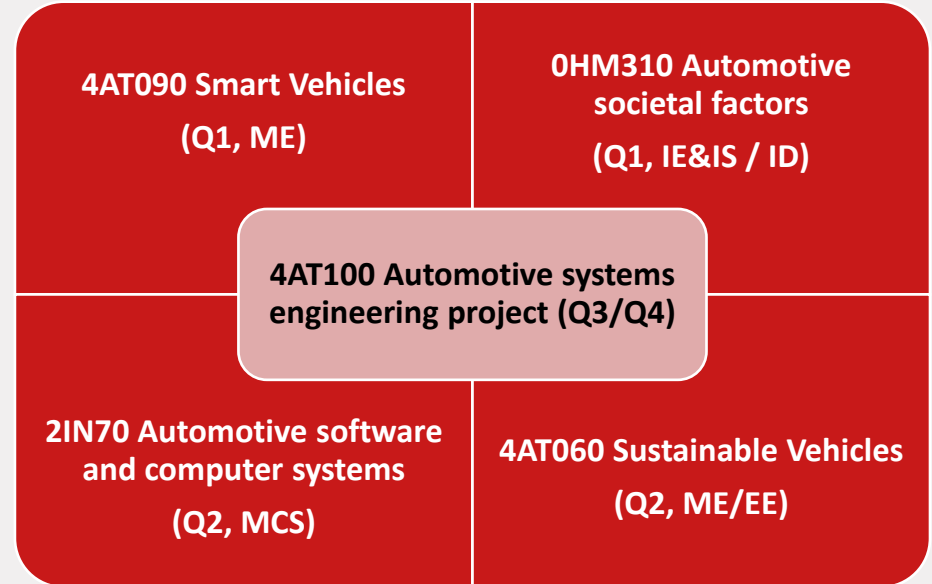
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Program overview & core program

Year 1	• Core program (30 EC) • Specialization courses (15 EC) • Free electives (incl. homologation,15 EC)
Year 2	Internship Graduation project 15 EC 45 EC

4AT090 Smart Vehicles (Q1, ME)	**0HM310 Automotive societal factors (Q1, IE&IS / ID)**
2IN70 Automotive software and computer systems (Q2, MCS)	**4AT060 Sustainable Vehicles (Q2, ME/EE)**

4AT100 Automotive systems engineering project (Q3/Q4)

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COURSES: FOR SPECIALIZATION

- 15 EC for specialization courses

- Choose from the list 'Core and specialization courses AT 2024/25'

- 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 <u>mentor</u> which courses suit your specialization and personal profile.

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 (no overlap between courses allowed)
- 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, if complementary to the student's background

- One suggestion for students taking 1 of the homologation modules (2.5EC): 4WM10 (Career development; 2.5EC)

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HOMOLOGATION COURSES

Opportunity to work on deficiencies

- <u>2IHC10</u> C++ and computer organization (2.5 EC, Q1)
  - ➢ Only for students without any knowledge on this subject

- <u>4SE010</u> Heat, flow and thermodynamics (2.5 EC, Q1)
  - ➢ For BSc electrical engineering
  - ➢ Not needed for BSc Mechanical Engineering!

No permission of examination committee required, <u>if you belong to the target group</u>

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SPECIALIZATION AT: SECTIONS

Department: ME	MCS	EE	IE&IS	ID
Control Systems Technology	Model Driven Software Engineering	Signal Processing Systems	Human Technology Interaction	Future Everyday
Dynamics and Control	Interconnected Resource-aware Intelligent Systems	Electronic and Embedded Systems		
Robotics		Control Systems		
Power & Flow		Electromechanics and Power Electronics		

More information about the AT specializations on September 12!

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MASTER ALLOCATION PROCEDURE (4MAPAT)

Allocation of students to sections

For more detailed information go to educationguide.tue.nl

Centrallly organized specialization information meeting	Possibility for research sections to organize extra information meeting	Upload CV and motivation letter in Canvas (4MAPAT) for preferred section	Allocation of students to research sections
Week 2 of Q1 12 Sept Thursday afternoon	Week 3-4 of Q1 16-27 Sept	Open: Tuesday 17 Sept Deadline: Sunday 29 Sept 23:59	End of week 5 of Q1 2-3 Oct

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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 via 4INFOAT during Q1.

MANDATORY under Dutch law

Your presence will be checked

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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 12th)	Year 1: Q2 meeting (Nov/Dec)	Year 1: Q3 meeting (March)	Year 1: Q4 meeting (May)	Year 2: Q1 meeting (Sept/October)
• Program Introduction • Study management & coaching • Information & support	• Specialization choice - MAP • Information session about specialization options	• Specialization choice • To do list • Registration exams and Q2 courses • Fraud basics • Evaluation	• Quality assurance: NSE • Practicalities • **How to find an internship?** • Evaluation	• **How to organise your internship?** • How and when to search for a graduation project?	• How to organize the graduation project (online meeting)

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INTRODUCTION MASTER PROGRAM AT

- Academic year agenda: how to prepare yourself!
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ONLINE EDUCATIONAL SYSTEMS

MyTU/e: online portal

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.

TE Timetable: personal time schedule

More information + videos: https://educationguide.tue.nl/practical-info/it-services/online-systems

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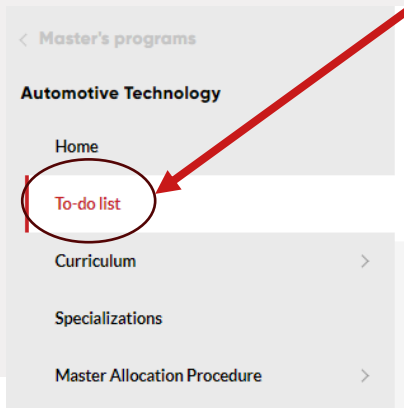
ONLINE EDUCATION GUIDE

https://educationguide.tue.nl/

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

https://educationguide.tue.nl/programs/graduate-school/masters-programs/automotive-technology/

- Curriculum
  - Specialization courses list
  - Homologation courses
- Procedures
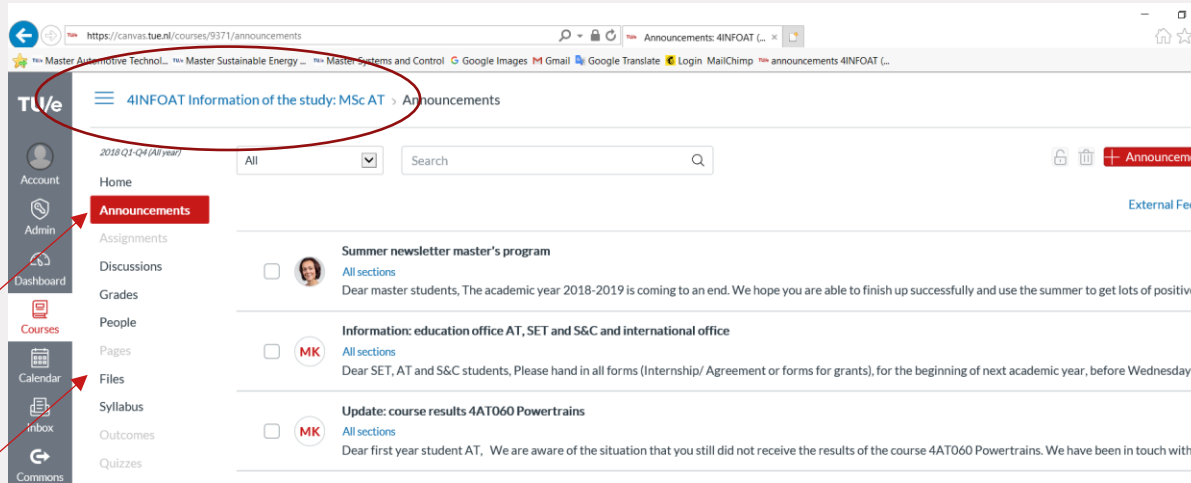- Examination committee

Regularly check the to-do list !

The to-do list guides you through all administrative steps you have to take in order to finish your program. It tells you how to arrange each phase of your Master: entering the program, your internship, your graduation etc. It's very important that you follow these steps proactively; it's your responsibility to make sure that you arrange things in time and follow procedures accurately. Of course we're available if you encounter problems or have a question.

Please note that these are only administrative requirements. The requirements in terms of content, skills and quality you need to meet to graduate successfully, are being described in the regulations (**PER and ER**).

< Master's programs

Automotive Technology

Home

To-do list

Curriculum

Specializations

Master Allocation Procedure

DOWNLOADS

[PDF] **TO DO List AT 24-25.pdf**   223 KB

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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!

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Study management: the PSV approach
Prioritize-Specify-Visualize

Prioritize:

- Register for 15EC courses per Q (the academic year = 4 Q's)
  - 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

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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)
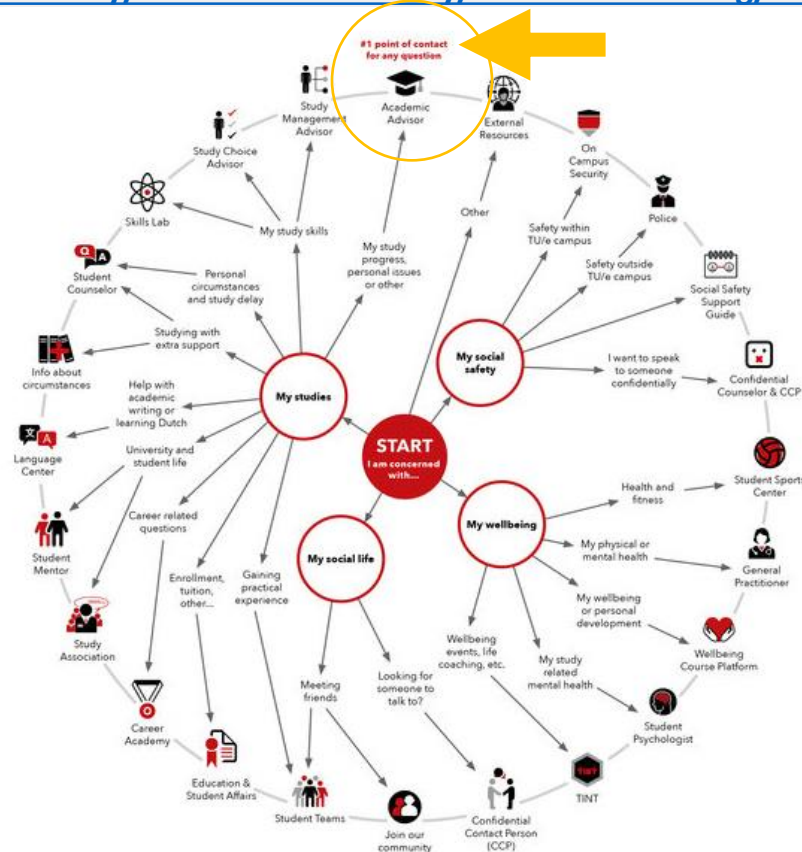
USE THE PSV APPROACH BEFORE THE START OF EACH Q
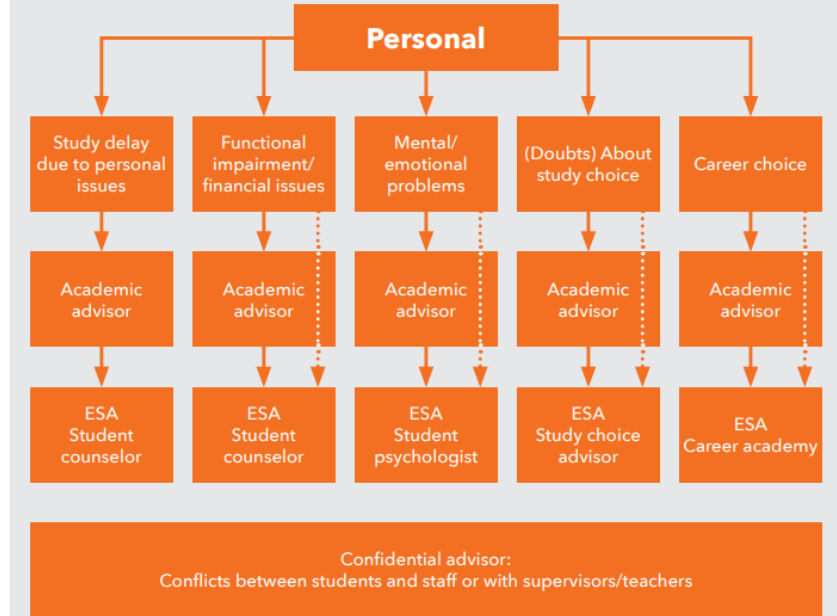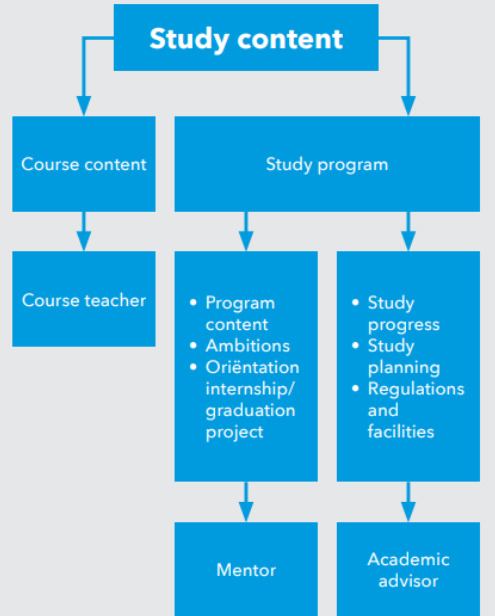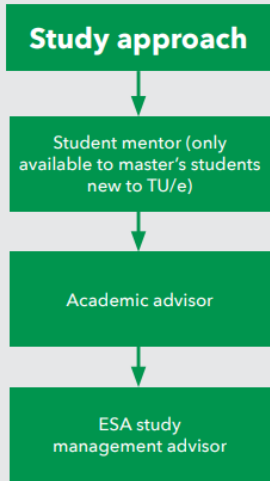
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Where to find support?

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Study approach

- Student mentor (only available to master's students new to TU/e)
- Academic advisor
- ESA study management advisor

Study content

Course content
- Course teacher

Study program
- Program content
- Ambitions
- Oriëntation internship/ graduation project
- Study progress
- Study planning
- Regulations and facilities
- Mentor
- Academic advisor

Personal

Study delay due to personal issues	Functional impairment/ financial issues	Mental/ emotional problems	(Doubts) About study choice	Career choice
Academic advisor	Academic advisor	Academic advisor	Academic advisor	Academic advisor
ESA Student counselor	ESA Student counselor	ESA Student psychologist	ESA Study choice advisor	ESA Career academy

Confidential advisor:
Conflicts between students and staff or with supervisors/teachers

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.

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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**

...and come to the 4INFOAT student meetings in Q1 Q2 & Q3

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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.)

The student mentor for AT is Sandeep.

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COACHING – STUDY CONTENT

Mentor (academic staff member) – related to your specialization

- 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 internhsip project (can be your mentor)

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

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Q&A

ENJOY YOUR MSC PROGRAM!

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