FAQ AIES (Artificial Intelligence Engineering Systems)

General

When does the new Mastertrack AIES start?
We are preparing the program to launch in September 2020.

What kind of diploma do I get when I finish the Mastertrack AIES?
When you finish the Mastertrack AIES, you are Master of Science (MSc) in Electrical Engineering or Mechanical Engineering, depending on which version of the track you registered for. Both tracks have essentially the same set-up and goals.

Enrollment

When and how can I enroll for the new Mastertrack AIES?
External students can enroll until May 1st, through Studielink, but it depends on which version you enroll in. For the EE-version, enroll in the Electrical Engineering master program and specify that you wish to enter the AIES-track. For the ME-version, you just enroll in the Mechanical Engineering master program. Your decision to do the AIES-track will be handled via the Master Allocation Procedure.

What is the application deadline?
The deadline to enroll in the track AIES is May 1st. You need to apply via Studielink, the national information system where you need to register if you want to do a higher education program. For TU/e students currently enrolled in an admissible bachelor program this deadline does not apply.

Admission requirements

With which Bachelor-degree can you be directly admitted in the new Master’s program?
To be admitted directly to the AIES-track, you need a bachelor’s degree in Electrical Engineering or Automotive Technology (to enter the EE-version), or Mechanical Engineering or Applied Physics (to enter the ME-version).

Which Bachelor degrees admit to the AIES tracks via a deficiency resolving program?
In addition to the bachelor degrees which admit to the AIES track directly (see previous question), there are two bachelor degrees which admit provided you resolve deficiencies.

With a degree in Applied Physics you are directly admissible to the AIES track at Mechanical Engineering, but you can also be admitted to the AIES track at Electrical Engineering provided you complete a deficiency program consisting of two courses:

- Control Systems (5ESD0, Q1)
- Signal processing II (5ESCO, Q1)

With a degree in Computer Science and Engineering, you can be admitted to the AIES track at Electrical Engineering provided you complete a deficiency program consisting of two courses:

- Control Systems (5ESD0, Q1)
- Signal processing II (5ESCO, Q1)

You can complete these courses via homologation (i.e. as part of your master program).
How can I determine whether I can enroll with my Bachelor degree?
The previous question addresses the admission criteria to see if you are admissible in the new Master program. If you have any questions left about admission or admission criteria you can send an e-mail to voorlichting.EE@tue.nl for the EE track or Rob van der Heijden for the ME-version.

Study Program and Courses
How is the set-up of the curriculum?
During the two years of your Master program you will follow core and specialization courses, electives and professional development courses, possibly do an internship and carry out your final graduation project. The education guide on the TU/e-website provides more information about the curriculum.

Miscellaneous
How does this track relate to the Data Science & Artificial Intelligence (DS&AI) master program?
The Master DS&AI, offered by the Department of Math and Computer Science will have a focus on foundations, development, and research in Data Science and Artificial Intelligence. The track Artificial Intelligence Engineering Systems (AIES) will focus on application of AI to complex engineering systems, e.g. in the areas of high-tech systems, robotics, health or mobility.

How is EAISI involved?
The Eindhoven Artificial Intelligence Systems Institute (EAISI) is the new institute of TU/e in the field of Artificial Intelligence. EAISI provides the environment and organizes meetings and activities for all students, lecturers, and researchers in Artificial Intelligence active at TU/e to meet and exchange ideas and develop and advance the field AI together in a multi-disciplinary way. The Master’s program DS&AI and the AIES track are part of these initiatives.