**Second year Track elective programme – Accepted Track electives**

If you wish to take a course in the area of your Track (at TU Delft or other universities) that is not mentioned here, you can suggest this course to the track coordinator:

* Energy (E) [Lydia Stougie](mailto:L.Stougie@tudelft.nl)
* Information & Communication (I&C) [Sepinoud Azimi Rashti](mailto:s.azimirashti@tudelft.nl)
* Transport & Logistics (T&L) [Jan Anne Annema](mailto:J.A.Annema@tudelft.nl)

The Examination Board will decide whether you can indeed take that course as Track Elective.

Check the [study guide](https://studiegids.tudelft.nl/bbDefault.do?SIS_SwitchLang=en) for the courses offered by TU Delft.

**ENERGY (Lydia Stougie)**

NB: check the course descriptions for the expected prior knowledge, especially the courses marked with (\*), as some courses are only feasible for students with a specific BSc degree.

Accepted electives Energy track in Q1 + Q2

[AE4T40](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=65210) Airborne Wind Energy

[AE4W02TU](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=65084) Introduction to Wind Turbines: Physics and Technology (\*)

[AP3333](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=65229) Physics of Energy Materials (\*)

[AP3352](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=65231) Introduction to Nuclear Science and Engineering

[CH3632](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=65232) Chemistry and Physics of Solar Cells

[CH3771](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=65261) Nuclear Chemistry

[ET4103](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=65056) High Voltage Technology (\*)

[ET4107](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=65069) Power Systems Analysis II (\*)

[ET4117](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=65061) Electrical Machines and Drives (\*)

[ET4376](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=65058) Photovoltaic Basics

[GEO5014](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=63938) Geomatics as support for energy applications ( \*)

[ME45001](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=65196) Advanced Heat Transfer (\*)

[ME45075](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=65934) Refrigeration & Heat Pumps Fundamentals (\*)

[SET3014](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=66833) Renewable Energy (\*)

[SET3070](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=65175) Thermochemistry of Biomass Conversion (\*)

[SET3080](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=65170) The Necessity of Storage Technology

[TPM0931SET](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=66621) Sustainable Energy Innovation and Transitions

Accepted electives Energy track in Q3 + Q4

[AE4W09](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=65085) Wind Turbine Design (\*)

[AE4W31](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=65805) Floating Offshore Wind Energy

[AP3341](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=65230) Nuclear Reactor Physics

[CH3513](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=65208) Electrochemistry for renewable energy (\*)

[CH3783](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=65234) Materials Chemistry for the Nuclear Fuel Cycle (\*)

[EE4545](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=65067) Electrical Power Systems of the Future (\*)

[EE4655](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=65078) Co-simulation of Energy Systems

[ET4377](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=65076) Photovoltaic Technologies (\*)

[ET4378](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=65077) Photovoltaic Systems (\*)

[ME45160](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=65194) Advanced Applied Thermodynamics (\*)

[ME45165](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=65195) Equipment for Heat & Mass Transfer (\*)

[ME45201](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=65183) Electrichemical Energy Storage (\*)

[ME45203](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=65182) Electrolysers, Fuel Cells and Batteries (\*)

[OE44076](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=65197) Offshore Renewable Energy

[SET3065](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=65088) Intelligent Electrical Power Grids (\*)

[SET3085](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=65171) Hydrogen technology (\*)

[SET3110](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=66834) Energy Storage in Batteries (\*)

[SET3995](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=65186) Direct use of Geothermal Energy

**I&C (Sepinoud Azimi Rashti)**

Accepted electives I&C track in Q1 + Q2

[CS4015](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=61570) Behaviour Change Support Systems

[GEO1002](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=60411) Geographical Information Systems (GIS) and Cartography

[GEO1003](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=60597) Positioning and Location Awareness

[IN4191](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=61572) Security and Cryptography

[IN4252](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=60628) Web Science & Engineering

[SEN9720](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=62462) Logistics and Supply Chain Innovations

[TPM027a](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=61247) Cyber Risk Management

Accepted electives I&C track in Q3 + Q4

[CS4145](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=61602) Crowd Computing

[IN4315](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=61567) Software Architecture

[MOT122a](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=66755) Digital Business Process Management

[TPM030a](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=61660) Introduction to Cloud as Infrastructure: the effects of the new business of computing on practice

**T&L (Jan Anne Annema)**

Accepted electives T&L track in Q1 + Q2

[AE441-16](https://www.studiegids.tudelft.nl/a101_displayCourse.do?course_id=62312&_NotifyTextSearch_) Operations optimisation

[AE4422-20](https://www.studiegids.tudelft.nl/a101_displayCourse.do?course_id=62318&_NotifyTextSearch_) Agent-based Modelling and Simulation in Air Transport

[AE4423-20](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=62319) Airline Planning & Optimization

[AE4431](https://www.studiegids.tudelft.nl/a101_displayCourse.do?course_id=62301&_NotifyTextSearch_) Aircraft noise and emissions

[AR3CS021](https://www.studiegids.tudelft.nl/a101_displayCourse.do?course_id=60535&_NotifyTextSearch_) Seminar Cross Domain City of the Future

[CME4300](https://www.studiegids.tudelft.nl/a101_displayCourse.do?course_id=61910&_NotifyTextSearch_) Engineering Asset Management

[EE4C06](https://www.studiegids.tudelft.nl/a101_displayCourse.do?course_id=61577&_NotifyTextSearch_) Networking

[EPA112A](https://coursebase.tudelft.nl/a64_editCourse.do?showchanges=true&course_id=66937)        Programming for Data Science

[EPA122A](https://coursebase.tudelft.nl/a64_editCourse.do?showchanges=true&course_id=66970)        Spatial Data Science

[ME41106](https://www.studiegids.tudelft.nl/a101_displayCourse.do?course_id=60799&_NotifyTextSearch_) Intelligent Vehicles 3ME

[ME44206](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=60927) Quantitative Methods for Logistics

[SEN9720](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=62462) Logistics and supply chain innovations

[SEN9725](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=62461) Supply Chain Gaming

[TPM004A](https://www.studiegids.tudelft.nl/a101_displayCourse.do?course_id=62517&_NotifyTextSearch_) Transport safety

[TPM026A](https://www.studiegids.tudelft.nl/a101_displayCourse.do?course_id=62484&_NotifyTextSearch_) System Reliability in Quantitative Risk Assessment

TPM028b Decision making in multimodal transport systems

[TPM040a](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=66981) Logistics Systems Engineering

Accepted electives T&L track in Q3 and Q4

[AE4446](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=62329) Airport Operations

[AE4462-17](https://www.studiegids.tudelft.nl/a101_displayCourse.do?course_id=62321&_NotifyTextSearch_) Aircraft Emissions and Climate Effects

[AR0049](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=60388)         Urban Geography

[AR0168](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=60335) People, Movement and Public Space

[CME4481](https://www.studiegids.tudelft.nl/a101_displayCourse.do?course_id=63147&_NotifyTextSearch_) Systems Engineering Design

[CME4701](https://www.studiegids.tudelft.nl/a101_displayCourse.do?course_id=63148&_NotifyTextSearch_) Construction Management Systems

[EPA141A](https://coursebase.tudelft.nl/a64_editCourse.do?showchanges=true&course_id=66943)       Model-Based Decision Making

[EPA142A](https://coursebase.tudelft.nl/a64_editCourse.do?showchanges=true&course_id=66941)       Ethics of Large System Interventions

[EPA143A](https://coursebase.tudelft.nl/a64_editCourse.do?showchanges=true&course_id=66785)       Macro Economics for Policy Analysis

[ME41000](https://www.studiegids.tudelft.nl/a101_displayCourse.do?course_id=60985&_NotifyTextSearch_) Automotive Human Factors

[ME44305](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=60932)       System Analysis and Simulation

[ME44312](https://www.studiegids.tudelft.nl/a101_displayCourse.do?course_id=60934&_NotifyTextSearch_) Machine Learning for Transport and Multi-Machine Systems

[SET3100](https://www.studiegids.tudelft.nl/a101_displayCourse.do?course_id=61686&_NotifyTextSearch_) Electric vehicle and charging technology

[TPM593A](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=62452)       Internship TPM

[WM1301TU](https://www.studiegids.tudelft.nl/a101_displayCourse.do?course_id=60807&_NotifyTextSearch_) Ethics of Transportation