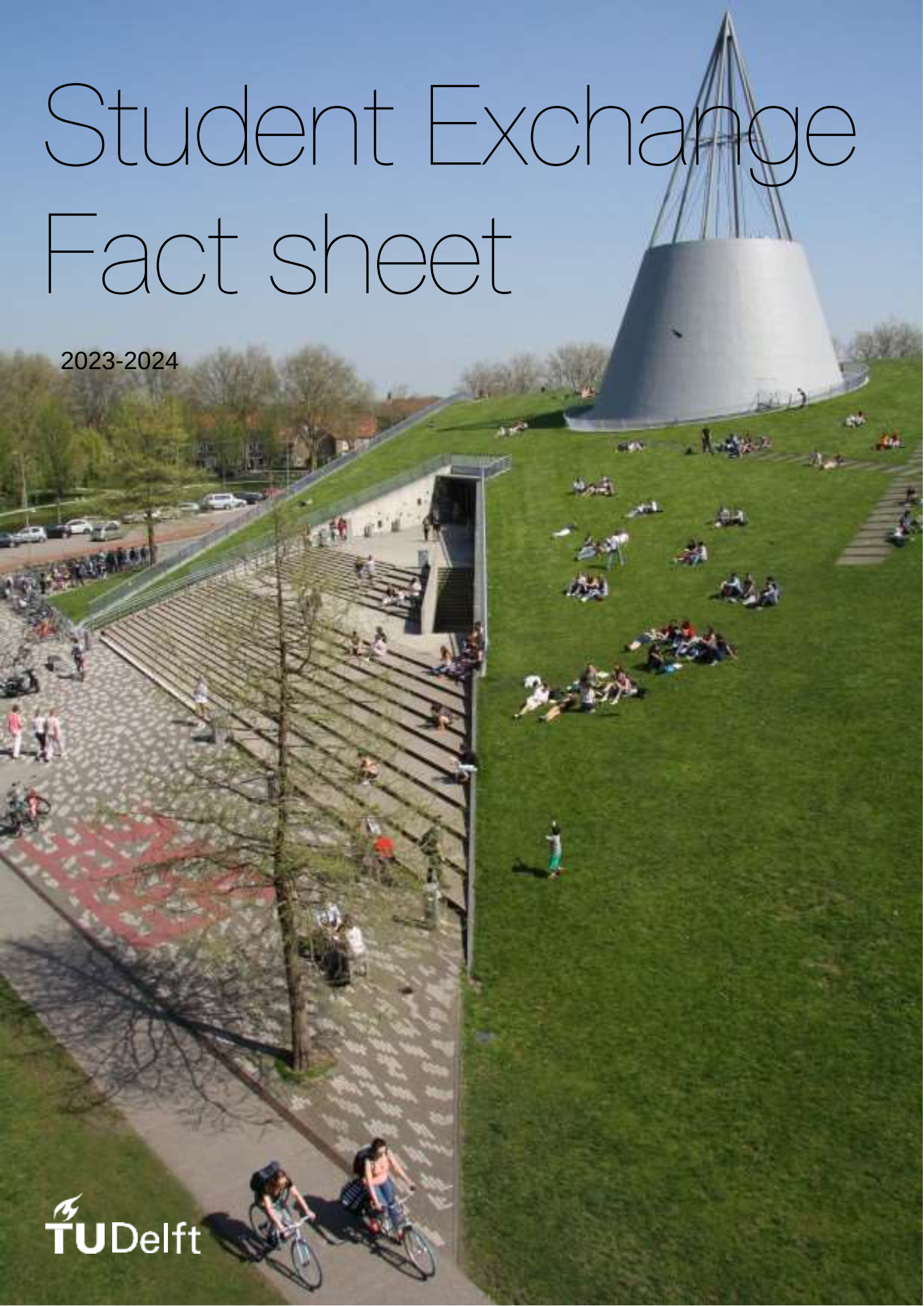
Student Exchange Fact sheet

2023-2024



TU Delft

Why study at TU Delft?

TU Delft is the largest technical university in the Netherlands and covers practically the entire spectrum of engineering sciences. We are one of the top 20 universities in Europe, and one of the top 20 universities of technology worldwide (THE and QS ranking). At Delft University of Technology, we aim for a balance between pursuing world-class academic excellence, providing high quality education and developing expert solutions for societal and sustainable challenges. The biggest impact TU Delft has on society is through the pivotal role students play when educating the next generation of responsible top-level engineers. Our graduates make a difference by combining technical expertise with personal and professional attributes for effective leadership. Also key at TU Delft is the integration of research education and innovation.

How to apply

Before a student from a partner university can apply for an exchange programme, they must be nominated by their home university. The nomination process has been recently introduced to assist students, as well as TU Delft faculties with course selection choices.

The faculty or department where you will be enrolled is responsible for advising, informing, selecting and accepting applications for international exchange students.
Exchange students can apply online. Instructions are available on our website. Your application will be sent to the Faculty Exchange coordinator.

After the application deadline of either **1 October** or **1 April** students will receive an admission letter via email from the Education Service Centre. This will take an estimated 4 to 8 weeks. For some faculties this may take longer. Follow the instructions in the email to accept the offer. Once the offer is accepted, students will receive a financial letter. This will state if a student needs to pay any additional fees, such as housing, visa and/or living fee.

Erasmus+ exchange students must provide a Learning Agreement. Follow the instructions of the home university after the course package has been approved by both universities.

Exchange students are generally accepted by faculties for one or maximum two semesters. They can be enrolled for 1 semester (either from September until February or February until August) or a full academic year.

An exchange of 1 semester can be extended by an entire semester if your home university and the relevant TU Delft faculty gives permission for this. It is not permitted to come on exchange more than once or stay for longer than a year.

Some faculties may accept exchange students for a research-based project such as a thesis project. Students seeking to apply to undertake a research-based project at TU Delft are responsible for arranging their own suitable project and finding a TU Delft supervisor. A final thesis project conducted at TU Delft is the responsibility of your home university and must be organised well in advance.

Application deadlines

1st Semester (Autumn)
1 April (23:59 CET)
Application intake starts 1 March
2nd Semester (Spring)
1 October (23:59 CET)
Application intake starts 1 September
Applications that are incomplete or received after the deadline will not be considered.

Academic Calendar

1st semester:
4 September 2023 - 2 February 2024
1st period (4 September - 10 November)
2nd period (13 November - 2 February)

2nd semester:
12 February 2024 - 19 July 2024
3rd period (12 February - 19 April)
4th period (22 April - 19 July)

For information about the academic calendar and lecture hours, please see our timetable

Course selection and faculty specific restrictions

TU Delft Programmes are academically challenging and rigorous, therefore students are expected to be motivated and dedicated throughout their studies. We advise partner institutions to nominate students with a Cumulative Grade Point Average (CGPA) of at least 70%. This increases the students' chances of meeting the credit requirements. TU Delft reserves the right to reject students with a lower CGPA. Should the results of an exchange student appear to be unsatisfactory, this will be discussed with the student and the home institution.
We expect students to carefully prepare a study plan according to our guidelines and discuss it with the home institution as soon as possible to make sure the choices are available in the semester desired. The study plan is a crucial factor whether students will be accepted or not.
Major changes to study plans after approval of the course package are not allowed. Changes are only allowed if a course is cancelled or an overlap occurs. The study plan should be based on the list of TU Delft courses taught in English for incoming exchange students. A detailed description of these courses can be found with in the current course catalogue (the Study Guide), minor changes may occur as the course catalogue is updated in May. Students are advised to carefully check the period in which the courses take place.
All faculties have their own course restrictions and requirements regarding the amount of courses that **must** be taken at their own faculty.

- **Faculty of Industrial Design Engineering** requires 100% of courses within IDE, only in exceptional cases can 10% of the courses be taken at other faculties.
- **Faculty of Architect and the Built Environment** requires 100% of courses within AR.
- **Faculty of Civil Engineering and Geosciences** offers fixed course packages. In some cases, students can follow one or two additional courses at another faculty. Click here (Change this link) for more information.
- **Faculty of Aerospace Engineering** requires a minimum of 70% of courses within AE.
- **Faculty of Electrical Engineering, Mathematics and Computer Science** requires a minimum of 70% of courses within EEMCS.
- **Faculty of Maritime, Mechanical and Materials Engineering** requires a minimum of 70% of courses within 3ME.
- **Faculty of Technology, Policy and Management** requires a minimum of 51% of courses within TPM.
- **Faculty of Applied Sciences** requires a minimum of 51% of courses within AS.

If you want to take courses at a Faculty that has not joined the agreement, this is only possible with the permission of the relevant faculty exchange coordinator. Reasons for a course selection from another faculty not included in the agreement will need to be provided in your motivational letter. Exceptions are sometimes allowed if the student would like to attend courses that strongly correlate with their field of study. Keep in mind:

- TU faculties are reluctant to give permission for this, so your motivation is very important.
- Selecting courses from multiple faculties may increase the risk of conflicting schedules.

Required number of ECTS per semester, Grading System and Examinations

An advisable course package should comprise of between 24 and 30 EC (European Credits) per semester. Less than 24 EC is not acceptable, even if allowed by your home university. The number of EC should not exceed 30.

It is highly recommended to choose courses that evenly distribute the study load within one semester. The advisable study load is 12-15 EC per quarter. Each student is expected to attend classes, submit assessments and sit final exams for all courses in which he/she is enrolled at TU Delft. We expect students to earn a minimum of 20 EC credits per semester – meaning passing the exam, not just attending courses. Further instructions on how to select courses can be found on our course selection webpage.

TU Delft uses the European Credit Transfer System (ECTS) shared by all universities in the European Union. One academic year consists of 60 EC. One EC is equivalent to a study load of 28 hours (including lectures, laboratory courses, practical work, assignments, projects, private work, examinations or other assessment activities).

Here you can find information about the **Dutch grading system**. Students coming to TU Delft with Erasmus+ can send their Learning Agreement to the faculty exchange coordinators via email or upload it during the application phase in our online system.

It is only possible to take **examinations** during the period of enrollment as an exchange student at TU Delft, after that, students cannot take examinations (including distance examinations). This means that re-sit exams taking place in the next semester are not available. **No extensions** to a student's stay will be granted for this purpose. Exchange students are not eligible for a TU Delft diploma.

Language of instruction and language requirements

The language of instruction for most bachelor programmes is Dutch. The Bachelor's programmes Aerospace Engineering, Applied Earth Sciences, Computer Sciences and Engineering and Nanobiology are fully taught in English. There are over 250 available courses taught in English in other TU bachelor programmes. All Master courses are taught in English.

TU Delft Language skills policy for Erasmus+ partner universities

We trust our partner universities to nominate students with language level C1 or higher in English. Students do not need to provide test results; the statement included in the Nomination Letter from the home university is sufficient.

TU Delft language requirements for non-Erasmus+ partner universities

an original TOEFL test with an overall band score of at least 90;
or an IELTS (academic version) with an overall band score of at least 6.5;
or proof that you have passed the University of Cambridge 'Certificate of Proficiency in English (CPE)'
or University of Cambridge 'Certificate in Advanced English (CAE)'

The following students are exempted from taking the English language test:

- Nationals from the USA, U.K., Ireland, Australia, New Zealand, Canada, Switzerland and Singapore
- BSc and MSc graduates who obtained their qualification in one of the abovementioned countries
- Students currently enrolled in a Bsc/Msc programme in one of the abovementioned countries where the degree is fully taught in English and the home university can provide a statement confirming this.

Practical Matters

Tuition fees and finances

Exchange students must remain enrolled and pay tuition fees to their home university and are therefore exempt from paying tuition fees at TU Delft. Besides incidental and set-up costs, the costs of living and study, is estimated to be between 950 and 1,200 Euro per month.

Visa/residence permit requirements

At TU Delft we offer assistance to non-EU students in arranging visa and residence permits. Non-EU students (including UK Students and Non-EU students studying in EU countries) coming to the Netherlands are required to meet specific visa or residence permit requirements. They must provide proof of **sufficient financial means** to support themselves for the period of stay. Students will receive more information regarding this in the financial letter after they have been admitted and accepted their place.

Introduction period and registration

Closer to the start of the programme, exchange students will find more information on our website about the i**ntroduction period** and the **registration** at TU Delft.

Accommodation

TU Delft has partnered with various housing agencies in the greater-Delft region to offer accommodation to students coming from abroad. TU Delft cannot guarantee **accommodation** to all incoming exchange students as the number of available options is limited while demand is increasing.

Finding a room in Delft can be difficult and time-consuming. As most university cities in the Netherlands, Delft has a shortage of affordable student accommodations, a list of private providers is available **here**.

Health and liability insurance

All the information relevant on this topic is available on our **insurance page.**

Students and jobs

Students may be permitted to engage in part-time employment either paid or unpaid, only prior receiving approval of the faculty exchange coordinator. Further **conditions** may apply, please **consult the Immigration and Naturalisation Service** website.

After your exchange

- Visit the faculty exchange coordinator if you have (Erasmus+) documents that have to be signed at least 2 weeks before your departure.
- Request a transcript of records following your faculty's procedure. Transcripts are provided within 5 weeks from the end of the exam period.
- Students TU Delft email account and Net ID will be cancelled after 90 days.
- Deregister at the municipality.
- Cancel your Dutch health insurance if applicable (claims filed before departure).

TU Delft Academic culture & Code of Conduct

TU Delft is a highly valued and rated institution recognized worldwide for the quality of its academic environment. Our exchange students enrich our academic culture and offer an invaluable contribution to learning.
We aim to assist exchange students in understanding local regulations and customs and our policies. Information concerning students' rights and responsibilities can be found on our website.

ESN Delft and InterDelft

Erasmus Students Network Delft and InterDelft aim to provide an excellent experience for all international students who have chosen TU Delft by enhancing cultural awareness among all students.

The Netherlands and Delft

Coming to the Netherlands you will find yourself in the world's fourth happiest nation, and Dutch youngsters seem to be the happiest in the world, according to recent surveys. The country scores in the top five for most European quality of life indicators, including life expectancy, median income, water quality, personal freedom and education. Dutch people tend to be open and easy to approach, and they can be very outspoken. Most people speak Dutch as their first, and English as their second language. That makes life easy in the Netherlands. Delft is an interesting and historic town located between the larger cities of The Hague and Rotterdam. The city is known for the painter Johannes Vermeer and the Delft blue pottery. You will find a great many things that will help you to enjoy student life, including numerous cafes and pubs, cinema and theatre. There are also many reasonably-priced restaurants with national and international cuisine. Most students cycle from home to campus and back, day and night, all year long, come rain or sunshine.

The TU Delft Campus

Naturally, you will spend a lot of time on our TU Delft campus. It is a little town within a town, only a ten minute walk from Delft city centre, with enough study places, project facilities, Wi-Fi, green spaces, a super market, restaurants, coffee bars and other amenities you may need to make it your home away from home. Our library with the green roof is the main meeting point for those in search for information, study places and relaxation.

Useful websites

- Study and Student Associations
- Sports and Culture
- Municipality Delft

12.876
Master students
(35% international)

8 faculties

100+
Nationalities

757
incoming
exchange students

16
BSc programmes

35+
Msc Programmes

27.081
students

Contact

Contact Centre Education & Student Affairs
(for online application questions
and practical matters like visa or housing)
contactcentre-esa@tudelft.nl

Faculty Exchange Coordinators
(for course information and admission)
You can find the detailed contact information per faculty
on the website.

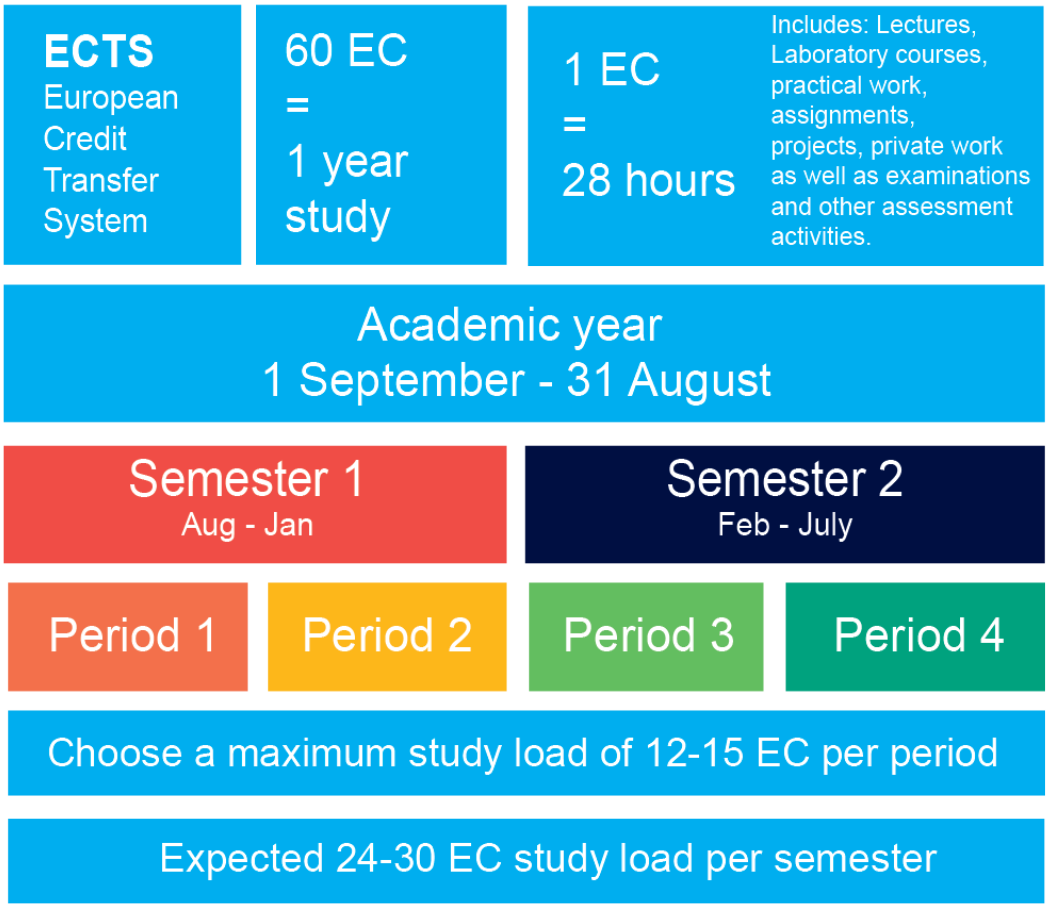
Academic year 2023-2024

Civil Engineering and Geosciences

Exchange courses

Course selection guidelines

The table below shows how the academic year is divided and what is expected of you from each semester and/or period. With the details below of how many EC you are expected to obtain, you will be able to make a study plan that will need to be approved by your home university and TU Delft.



Things to consider when you choose your courses

1. Will you be staying for 1 or 2 semesters? This will affect the number of EC you need to choose.
2. You must take a course load equal to 24-30 EC per semester, 12-15 EC per period.
3. Most courses should be chosen at the faculty where you are nominated for as student.
4. More detailed information about the courses can be found via the study guide. Guidelines on how to use it can be found here.
5. Are you a BSc or MSc student? Not all BSc courses are taught in English and there are specific requirements to follow MSc courses.
6. Changes to your course plan after your arrival still need to meet the above requirements.
7. Carefully consider your course workload (minimum 24 EC), and the manageability of it. Students are not permitted to re-sit exams after the end of the official exchange period. Alternative course/s will need to be taken at your home university when you return.
8. Within the study programme, the Faculty of Civil Engineering and Geosciences offers fixed course packages for incoming students. These are the recommended module packages, divided per semester and per master programme. If you want a modified package, it is negotiable.
9. Students have the responsibility to check if they meet all prerequisites.

Civil Engineering and Geosciences
Courses for 2023

Important information
Within the study programme, the Faculty of Civil Engineering and Geosciences offers fixed course packages for incoming students. These are the recommended module packages, divided per semester and per master programme.
If you want a modified package, it is negotiable.

The offered courses and modules are divided over the Fall and Spring semester.
All module and course descriptions can be found on our TU Delft study guide.
Students have the responsibility to check if they meet all prerequisites.

Fall semester (September-February)

Master Civil Engineering (1st year)

Course code	Course name	Cat.	Ec.	Period (Q)
CEGM1000	Modelling, Uncertainty and Data for Engineers	MSc	12	Q1, Q2
CIEM0000	Mechanics and Interdisciplinary Perspectives	MSc	9	Q1

Master Civil Engineering (2nd year)
Important note: These courses will only be offered if there are enough enrolments

Course code	Course name	Cat.	Ec.	Period (Q)
CIEM1301	Advanced Computational Mechanics	MSc	5	Q1
CIEM1302	Forensic Construction Materials Engineering	MSc	5	Q1
CIEM1303	Upscaling Techniques in Construction Materials Design and Engineering	MSc	5	Q1
CIEM1304	Glass Science and Engineering	MSc	5	Q1
CIEM2301	Offshore Geotechnical Engineering	MSc	5	Q1
CIEM2302	Trenchless Technologies	MSc	5	Q1
CIEM2303	Rock Mechanics Applications	MSc	5	Q1
CIEM2304	Environmental and Energy Geotechnics	MSc	5	Q1
CIEM3301	Building with Nature	MSc	5	Q1
CIEM3302	Dredging	MSc	5	Q1
CIEM3303	Advanced modelling of turbulent flows and transport	MSc	5	Q1
CIEM3304	Physical Oceanography	MSc	5	Q1

CIEM4301	Onshore Hydropower	MSc	5	Q1
CIEM4302	Cold Regions Engineering	MSc	5	Q1
CIEM4303	Flood Risk	MSc	5	Q1
CIEM4304	Hydraulics Fieldwork	MSc	5	Q1
CIEM5301	Shell Structures	MSc	5	Q1
CIEM5303	Wave Mechanics of Structures	MSc	5	Q1
CIEM5304	CO2 Neutral Structures	MSc	5	Q1
CIEM5305	Fire Safety Design	MSc	5	Q1
CIEM5306	Assessment of Existing Concrete Structures	MSc	5	Q1
CIEM5307	Forensic Structural Engineering	MSc	5	Q1
CIEM5308	Parametric Design and Digital Fabrication	MSc	5	Q1
CIEM5309	Advanced Building Physics	MSc	5	Q1
CIEM5310	Contact and Interface Mechanics for Engineering Structures	MSc	5	Q1
CIEM5311	Transportation Infrastructure under Extreme Conditions	MSc	5	Q1
CIEM5312	Emerging Technologies for Transportation Infrastructure	MSc	5	Q1
CIEM6301	Railway Traffic Management	MSc	5	Q1
CIEM6302	Advanced Data Science for Traffic and Transportation	MSc	5	Q1
CIEM6303	Transitions, Sustainability & Innovation	MSc	5	Q1
CIEM6304	eXtended Reality (XR) for Civil Engineering	MSc	5	Q1
CEGM2000	Suspension, Sludge and Soil	MSc	10	Q2
CEGM2001	Sustainable Cities	MSc	10	Q2
CEGM2002	Engineering for Global Development	MSc	10	Q2
CEGM2003	Data Science and Artificial Intelligence for Engineers	MSc	10	Q2
CEGM2004	Noise and Vibration: Generation, Propagation and Effect on Humans and Environment	MSc	10	Q2
CEGM2005	Advanced Topics in Probability and Statistics in Engineering	MSc	10	Q2
CEGM2006	Subsurface Storage: Energy and Climate	MSc	10	Q2
CEGM2007	Resilient Deltas under Climate Change; Delta Technology	MSc	10	Q2
CEGM2008	Monitoring of Structural Health and Geohazards	MSc	10	Q2
CEGM0210	Engineering Management Systems	MSc	10	Q2

Master Applied Earth Sciences (2nd year)

We offer three fixed course packages in our Master programme for incoming exchange students, in which you can combine electives in the first quarter with a cross-over module in the second quarter.
The cross-over modules will only be offered if there are enough enrolments.

Package Climate and Remote Sensing
Pick two or three courses in the 1st period and 1 course in the 2nd period

Course code	Course name	Cat.	Ec.	Period (Q)
AESM501C	Aerosol and cloud microphysics	MSc	5	Q1
AESM502C	Data Assimilation for Geosciences	MSc	5	Q1
AESM503C	Climate remote sensing	MSc	5	Q1
AESM504C	Microwave remote sensing of surface-atmosphere interactions	MSc	5	Q1
AESM505C	Applied space geodesy	MSc	5	Q1
AESM506C	Coastal remote sensing	MSc	5	Q1
CEGM2003	Data science and artificial intelligence for Engineers	MSc	10	Q2
CEGM2002	Engineering for Global Development	MSc	10	Q2
CEGM2008	Monitoring of Structural Health and Geohazards	MSc	10	Q2
CEGM2001	Sustainable Cities	MSc	10	Q2
CEGM2007	Resilient Deltas under Climate Change/Delta Technology	MSc	10	Q2
CEGM2005	Advanced Topics in Probability and Statistics in Engineering	MSc	10	Q2

Package Geo-resources
Pick two or three courses in the 1st period and 1 course in the 2nd period

Course code	Course name	Cat.	Ec.	Period (Q)
AESM507C	Advanced Numerical Methods and Optimization for Subsurface Geoscience Simulation	MSc	5	Q1
AESM510C	Occupational Health and Safety Management	MSc	5	Q1
AESM513C	Optimization of discrete processes	MSc	5	Q1
CEGM2003	Data science and artificial intelligence for Engineers	MSc	10	Q2
CEGM2002	Engineering for Global Development	MSc	10	Q2
CEGM2008	Monitoring of Structural Health	MSc	10	Q2

	and Geohazards			
CEGM2005	Advanced Topics in Probability and Statistics in Engineering	MSc	10	Q2

Package Geo-energy
Pick one or two courses in the 1st period and 1 course in the 2nd period

Course code	Course name	Cat.	Ec.	Period (Q)
AESM507C	Advanced Numerical Methods and Optimization for Subsurface Geoscience Simulation	MSc	5	Q1
AESM508C	Geo-energy integration project	MSc	10	Q1
AESM502C	Data Assimilation for Geosciences	MSc	5	Q1
CEGM2003	Data science and artificial intelligence for Engineers	MSc	10	Q2
CEGM2002	Engineering for Global Development	MSc	10	Q2
CEGM2008	Monitoring of Structural Health and Geohazards	MSc	10	Q2
CEGM2007	Resilient Deltas under Climate Change/Delta Technology	MSc	10	Q2
	MUD-3S: Masterclass for Understanding Dredged Sediment, Sludge and Soil	MSc	10	Q2
CEGM2006	Subsurface storage: energy and climate	MSc	10	Q2

Master Environmental Engineering

Course code	Course name	Cat.	Ec.	Period (Q)
ENVM2100	Industry water	MSc	5	Q1
ENVM2101	Advanced water treatment	MSc	5	Q1
ENVM2102	Water and health	MSc	5	Q1
ENVM2104	Aquatic ecology & morphodynamics	MSc	5	Q2
ENVM2105	Water law & organization	MSc	5	Q2
ENVM2106	Engineering and development	MSc	5	Q2

Spring semester (February-June)

Bachelor Civil Engineering (3rd Year)

Course code	Course name	Cat.	Ec.	Period (Q)
CTB3330	Structural Mechanics 4	BSc	4	Q3
CTB3310	Surveying & Mapping	BSc	4	Q3
CTB3335	Concrete Structures 2	BSc	4	Q3
CTB3420	Integral Design of Infrastructure	BSc	4	Q4
CTB3350	Open Channel Flow	BSc	4	Q3
CTB3355	Hydraulic Structures 1	BSc	4	Q3
CTB3360	Water Control	BSc	4	Q1, Q3
CTB3365-16	Introduction to Water Treatment	BSc	4	Q3
CTB3415	Water Management Research	BSc	4	Q4
CTB3385	Use of Underground Space	BSc	4	Q3
CTB3390	Mechanics and Flow in Porous Media	BSc	4	Q3
CTB3425-17	Monitoring and Stability of Dikes and Embankments	BSc	4	Q4
CTB3370-18	Geometrical Design of Roads and Railways	BSc	4	Q3

Master modules Civil Engineering (1st Year)

Package Construction Materials
Combine module A with B1 or B2 (24 EC)

Course code	Course name	Cat.	Ec.	Period (Q)
CIEM1110	Module A: Measuring and modelling construction behaviour	MSc	9	Q3
CIEM1210	Module B1: Construction materials research	MSc	15	Q4
CIEM1220	Module B2: Design and engineering of construction materials	MSc	15	Q4

Package Geotechnical Engineering
Combine module A with B1 or B2 or B3 (24 EC)

Course code	Course name	Cat.	Ec.	Period (Q)
CIEM2110	Module A: Geotechnical modelling	MSc	9	Q3
CIEM2210	Module B1: Geotechnical structures	MSc	15	Q4
CIEM2220	Module B2: Advanced Soil Mechanics	MSc	15	Q4
CIEM2230	Module B3: Delta Geotechnics	MSc	15	Q4

Package Hydraulic and Offshore Structures
Combine module A1 with module B1 or B2 or B3 (24 EC)
or
Combine module A2 with module B1 or B2 or B3 (24 EC)

Course code	Course name	Cat.	Ec.	Period (Q)
CIEM4110	Module A1: Hydraulic Structures (Soil-structure interaction)	MSc	9	Q3
CIEM4120	Module A2: Offshore Structures	MSc	9	Q3
CIEM4210	Module B1: Offshore Renewables	MSc	15	Q4
CIEM4220	Module B2: Dams, Dikes and Breakwaters	MSc	15	Q4
CIEM4230	Module B3: Floating and Submerged Structures	MSc	15	Q4

Package Hydraulic engineering
Combine module A1 with module B1 or B2 or B3 (24 EC)

Course code	Course name	Cat.	Ec.	Period (Q)
CIEM3110	Module A1: Hydraulic Engineering Fundamentals and Environments	MSc	9	Q3
CIEM3210	Module B1: Coastal Engineering	MSc	15	Q4
CIEM3220	Module B2: River Engineering	MSc	15	Q4
CIEM3230	Module B3: Advanced design of ports and waterways systems and interventions	MSc	15	Q4

Package Structural engineering
Combine module A1 with module B1 or B2 or B3 or B4 or B6 (24 EC)
or
Combine module A2 with module B1 or B2 or B3 or B4 or B6 (24 EC)
or
Combine module A3 with module B1 or B2 or B3 or B4 or B6 (24 EC)

Course code	Course name	Cat.	Ec.	Period (Q)
CIEM5110	Module A1: Structural Mechanics and Dynamics	MSc	9	Q3
CIEM5120	Module A2: Design of Structural Components	MSc	9	Q3
CIEM5130	Module A3: Design of Civil Structures and Infrastructures	MSc	9	Q3
CIEM5210	Module B1: Applied Mechanics of Structures	MSc	15	Q4
CIEM5220	Module B2: Applied Dynamics	MSc	15	Q4

	of Structures			
CIEM5230	Module B3: Concrete Structures	MSc	15	Q4
CIEM5240	Module B4: Steel and Composite Structures	MSc	15	Q4
CIEM5250	Module B5: Building Engineering	MSc	15	Q4
CIEM5260	Module B6: Transportation Infrastructures	MSc	15	Q4

Package Traffic and Transport Engineering
Combine module A1 with module B1 or B2 or B3 or B4 (24 EC)

Course code	Course name	Cat.	Ec.	Period (Q)
CIEM6110	Module A1: Methods in Traffic and Transport Engineering	MSc	9	Q3
CIEM6210	Module B1: Transport Networks and Systems	MSc	15	Q4
CIEM6220	Module B2: Road Traffic Systems	MSc	15	Q4
CIEM6230	Module B3: Public Transport and Railway Systems	MSc	15	Q4
CIEM6240	Module B4: Road and Railway Engineering	MSc	15	Q4

Master modules Environmental Engineering (1st Year)
We offer fixed packages in our Master programme for incoming exchange students. Within these packages, students are free to combine one A module with one B module of choice.

Combine module A1 with module B1 or B4 (24 EC)

Course code	Course name	Cat.	Ec.	Period (Q)
ENVM1500	Module A1: Water quality and principles	MSc	9	Q3
ENVM1600	Module B1: Water treatment technologies	MSc	15	Q4
ENVM1603	Module B4: Water resources engineering and management	MSc	15	Q4

Combine module A2 with module B2 or B4 (24 EC)

Course code	Course name	Cat.	Ec.	Period (Q)
ENVM1501	Module A2: Design & modelling of urban water infrastructure systems	MSc	9	Q3
ENVM1601	Module B2: Operation, control, management and adaption of urban water infrastructure	MSc	15	Q4

	systems			
ENVM1603	Module B4: Water resources engineering and management	MSc	15	Q4

Combine module A3 with module B3 or B4 (24 EC)

Course code	Course name	Cat.	Ec.	Period (Q)
ENVM1502	Module A3: River basin hydrology and water management	MSc	9	Q3
ENVM1602	Module B3: Regional hydrology	MSc	15	Q4
ENVM1603	Module B4: Water resources engineering and management	MSc	15	Q4

Combine module A with module B1 or B2 (24 EC)

Course code	Course name	Cat.	Ec.	Period (Q)
ENVM1200	Module A: Resource engineering	MSc	9	Q3
ENVM1300	Module B1: Waste processing technologies	MSc	15	Q4
ENVM1301	Module B2: Reactive resources and wastes	MSc	15	Q4

Combine module A with module B (24 EC)

Course code	Course name	Cat.	Ec.	Period (Q)
ENVM1800	Module A: Atmospheric measurements	MSc	9	Q3
ENVM1900	Module B: Grand challenges in AEE	MSc	15	Q4

Master modules Applied Earth Sciences (1st Year)

In the third quarter, students have to combine one 6 EC module with one 9 EC module.
In the fourth quarter, students have to follow a course at another faculty worth 9 EC.

Course code	Course name	Cat.	Ec.	Period (Q)
AESM3001	Atmospheric and Climate Dynamics	MSc	6	Q3
AESM3002	Earth Observation Technologies	MSc	6	Q3
AESM3003	Geo-Energy Engineering Applications	MSc	6	Q3
AESM3004	Economic and Structural Geology	MSc	6	Q3
AESM301A	Atmospheric processes and	MSc	9	Q3

	modelling			
AESM302A	Geo-data analysis and geodesy	MSc	9	Q3
AESM303A	Geo-data and geo-informatics	MSc	9	Q3
AESM304A	Flow and simulation of subsurface processes	MSc	9	Q3
AESM305A	Characterization of the subsurface	MSc	9	Q3
AESM306A	Extraction processes and consequences of raw materials	MSc	9	Q3
AESM307A	Earth deformation processes across scales	MSc	9	Q3
AESM308A	Climate modelling and remote sensing	MSc	9	Q3
AESM309A	Climate change and dynamic landforms	MSc	9	Q3