

STUDENT HANDBOOK

TRACEE – Transdisciplinary studies of Climate, Environment and Energy

PROGRAMME EDITION 2026

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Glossary

Admission to the Programme: The formal process by which a student is officially accepted into the Programme after meeting the required academic qualifications, submitting necessary documents, and fulfilling any additional criteria set by the institutions involved. Admission is confirmed through an official notification from the university with the deliverance of an Acceptance Letter.

Programme board: The main decision-making body for the Programme.

Cohort: The group of students admitted and enrolled in the Programme in one intake. The cohort 2025 applies to all student admitted and enrolled in the programme starting in 2025.

Curriculum: The elements that make up a degree programme, including the structure, the content to be covered, intended learning outcomes, teaching and examination and assessment methods.

Degree: The academic qualification awarded by a university upon successful completion of the Programme. The degree certifies that the student has met all academic requirements, including coursework, research, final assessments and is officially recognized as having attained a specific level of expertise in their field of study defined by the Programme intended learning outcomes.

Degree Type: The type of master's degree (Master of Arts, Master of Science, International Master etc.) and the level of qualification it confers.

Diploma: The document/parchment presented to the student after successful completion of the programme according to practises and regulation of the awarding university/-ies.

Diploma Supplement: The document that accompanies the diploma and provides the details of the academic programme and academic achievements.

European Credit Transfer and Accumulation System (ECTS): A standardized system used in European higher education to measure and compare students' workload and learning outcomes. One ECTS credit typically corresponds to 25–30 hours of study.

Issuing partner university: The university that issues the diploma.

Joint Degree: A single degree jointly awarded by universities to a student upon successful completion of a joint programme.

Multiple Degree: A separate degrees awarded by higher education institutions offering the joint programme attesting the successful completion of this programme.

Participation cost: The financial charges levied on students for their enrolment in the Programme.

Partner university: The university that awards a degree, as applicable with reference to the relevant format of awarded degree (joint, double or multiple).

Transcript of records: The official record or breakdown of a student's progress and achievements.

1 The programme

The Master's programme in Transdisciplinary Studies of Climate, Environment, and Energy (TRACEE) is a collaborative initiative designed within the CIVIS Alliance. This innovative Master's programme aims to equip students with transdisciplinary expertise to address the complex challenges of our time, focusing on climate, environment, and energy. It features an integrated curriculum co-created by scholars from CIVIS member universities that promote diverse academic perspectives across Europe and Africa. The vision, target group of students and intended learning outcomes are presented hereafter.

1.1 Vision

The vision which forms the foundation for this programme is for students with a solid disciplinary background in natural sciences, social sciences, law, or humanities to become transdisciplinary graduates capable of tackling the world's most pressing challenges—climate change, energy transitions, and environmental crises.

1.2 Target group of students

This program is intended for students who are seeking (a) a career working at a local, regional, national, European or even global level on the ongoing societal transformation (e.g., as expressed by the European Green Deal), or (b) a future in transdisciplinary research focusing on climate, environment and/or energy.

1.3 Intended learning outcomes of the programme

The intended learning outcomes of the programme are listed below. They are complemented by additional learning goals in each study track, which are presented in the respective annex for each study track.

Knowledge and understanding

- Demonstrate knowledge and understanding in Transdisciplinary Environmental Science, including both broad knowledge of the field and a considerable degree of specialised knowledge applied in the field of each study track and its transdisciplinary applications.
- Demonstrate insight into current research and development work within the specialized field of the study track and its transdisciplinary applications.
- Demonstrate methodological knowledge from the humanities, law, social sciences, and natural sciences applied to and relevant for Transdisciplinary Environmental Science.
- Demonstrate knowledge to use systems thinking as a framework for analysing climate, environment, and energy issues from perspectives of natural sciences, social sciences, law, and humanities, and transdisciplinarity.

Competence and skills

- Demonstrate the ability to critically and systematically integrate knowledge and to analyse, assess and deal with complex phenomena, issues and situations from perspectives of natural sciences, social sciences, law, and humanities, even with limited information.
- Demonstrate the ability to critically, independently, and creatively identify and formulate questions, to plan and carry out qualified tasks within given time frames using appropriately chosen methods, thereby contributing to the development of knowledge, and to evaluate one's own work.

- Demonstrate the ability to clearly present and discuss, both orally and in writing, conclusions and the knowledge and arguments underlying them in dialogue with various groups, in both national and international contexts.
- Demonstrate the skills required to participate in research and development work, or to work independently in other professional areas.

Judgement and approach

- Demonstrate the ability to make assessments in Transdisciplinary Environmental Science informed by relevant interdisciplinary, societal and ethical issues and to demonstrate awareness of ethical aspects of research and development work.
- Demonstrate insight into the possibilities and limitations of research, its role in society and the responsibility of the individual for how it is used.
- Demonstrate the ability to identify the personal need for further knowledge and take responsibility for his or her ongoing learning.

2 Programme structure overview

The TRACEE Master is delivered through the collaboration of 11 universities within the CIVIS Alliance where the credits of the master programme are distributed following the selected study paths of the student and the integrated mobility.

2.1 Partner Universities

The programme results from a collaborative design within the CIVIS Alliance including the partners below and their respective acronym that will be used hereafter in the student handbook:

- Aix-Marseille Université (AMU), France
- National and Kapodistrian University of Athens (NKUA), Greece
- Université libre de Bruxelles (ULB), Belgium
- University of Bucharest (UB), Romania
- University of Glasgow (UofG), Scotland
- Université de Lausanne (UNIL), Switzerland
- Universidad Autónoma de Madrid (UAM), Spain
- Sapienza – Università di Roma (SUR), Italy
- Paris-Lodron-Universität Salzburg (PLUS), Austria
- Stockholm University (SU), Sweden
- Eberhard Karls Universität Tübingen (UT), Germany

The CIVIS Alliance has six associate partners from African countries, these are: Makerere University in Uganda, Eduardo Mondlane University in Mozambique, Université Hassan II de Casablanca in Morocco, University of Sfax in Tunisia, Université Cheikh Anta Diop de Dakar in Senegal, and University of the Witwatersrand in South Africa. The six African partners may be involved in parts of the delivery of certain courses of the TRACEE master.

2.2 Distribution of the credits of the programme

The programme spans two academic years, structured into four semesters, each worth 30 credits, for a total of 120 credits in the European Credit Transfer and Accumulation System (ECTS).

The credits (ECTS) are distributed as follows:

- **The First Semester:** A Common Core (30 ECTS): The first semester is common to all students across the programme and takes place at Stockholm University. It consists of one mandatory course, co-created and co-delivered by teachers and scholars from across the CIVIS Alliance in Europe and Africa.
- **The Second and Third Semesters:** The Study Track (60 ECTS): After the first semester, students follow one of nine study tracks. Mobility paths are predefined for each study track, specifying the partner universities where students will study during these semesters.
- **The Fourth Semester:** The Master's thesis project (30 ECTS): The final semester is dedicated to a mandatory independent Master's thesis project Project in transdisciplinary studies of climate, environment and energy. It is carried out at one of the CIVIS universities offering the selected study track.
- **The transdisciplinary stream:** The stream runs through the entire Programme. It is extra-curricular, meaning that credits are not awarded for participating in the stream. The stream aims at enhancing student's understanding of transdisciplinarity, keeps the Programme coherence and the cohort of students connected during entire duration of the programme, and provide preparation and support for the Master's thesis project.

2.3 Mobility paths

Students select a specific study track upon application to the Programme and are required to complete their studies and to have at least two mobilities to other countries than the country of residence of the student at enrolment stage. Thus, mobility is an integral part of the Programme.

The table below illustrates the structure of the programme, including the specific mobility paths for each of the nine study tracks.

* For students selecting the study track 3 or 4 (ST3 and ST4), including Stockholm University (SU) in the study track, the country for semester 4 (registration to the Master's thesis project) must be a second mobility in reference to the country of residence of the student at enrolment stage.

- Students in ST3 or ST4 residing in Sweden at the time of the application should be admitted to the University of Bucharest (UB) in the semester 4.
- Students in ST3 residing in Spain at the time of the application should be admitted to the University of Bucharest (UB) in the semester 4.
- Students in ST4 residing in Germany at the time of the application should be admitted to the University of Bucharest (UB) in the semester 4.
- Students in ST3 residing elsewhere in the world (outside Sweden or Spain) can register either to Stockholm University (SU), to the Autonomous University of Madrid (UAM) or to the University of Bucharest (UB) in the semester 4.
- Students in ST4 residing elsewhere in the world (outside Sweden or Germany) can register either to Stockholm University (SU), to the Eberhard Karls University of Tübingen (UT) or the University of Bucharest (UB) in the semester 4.

Study tracks	Semester 1	Semester 2	Semester 3	Semester 4
ST1: Environmental Humanities and Law	SU	PLUS	UB	SU or PLUS or UB
ST2: Environmental Social Sciences		UofG	UB	SU or UofG or UB
ST3: Energy and Matter		UAM	SU	UAM* or SU* or UB
ST4: Environmental Chemistry and Toxicology		SU	UT	SU* or UT* or UB
ST5: Environmental Geoscience		UofG	AMU	SU or UofG or AMU
ST6: Climate Change Science		NKUA	UT	SU or NKUA or UT
ST7: Environmental Risk and Mitigation		UNIL	SUR	SU or UNIL or SUR
ST8: Transdisciplinary Approaches to Climate Change		PLUS	ULB	ULB
ST9: Global Change Biology		SUR	AMU	SU or SUR or AMU
	Common Core	**Study Track**		**Master's thesis project**
	Transdisciplinary stream			

3 Programme content overview

The programme content overview provides a description for each semester and the transdisciplinary stream that runs through the entire programme. Complementary information for each study track is available in the respective annexes.

3.1 The first semester – The common core

The programme begins with a common semester for the programme. It consists of one single mandatory 30 ECTS course, Climate, energy and environment – A transdisciplinary perspective. The course will be hosted by the Department of Environmental Science at Stockholm University. It is co-created and co-taught by educators from across the CIVIS Alliance in Europe and Africa. This course consists of five modules. The first module (Systems Thinking) uses the concept of systems to set the stage for interdisciplinary learning. The second, third and fourth modules examine climate, environment and energy from natural science, social science and humanities perspectives. The fifth module (Creating Knowledge Through Transdisciplinary Methods) introduces transdisciplinary learning. The learning goals for each of these parts are as follows:

Part 1. Systems Thinking, 3 ECTS

- Discuss systems thinking and its history, central system concepts, as well as types of systems and their properties.

Part 2. Climate, Environment, and Energy - A Natural Science Perspective, 9 ECTS

- Describe energy and matter and their transfer within the Earth's system, as well as solutions for future energy supply.

- Describe global biogeochemical cycles, ecosystem services, and biodiversity, as well as the risks they face due to global environmental changes.
- Explain the climate system, drivers and feedback mechanisms, as well as Earth's past, present, and future climate.

Part 3. Climate, Environment, and Energy - A Social Science Perspective, 9 ECTS

- Describe past, present, and future economics, politics, and policies on energy systems, environment, and climate change.
- Discuss the international, European, and national legal framework for climate, environmental, and energy policies and the transition.
- Discuss knowledge, behaviour and action in relation to climate change, as well as the role of communication and education in addressing environmental and climate challenges.

Part 4. Climate, Environment, and Energy - A Humanities Perspective, 6 ECTS

- Discuss historical, literary, aesthetic, and philosophical aspects of environmental thinking and address concerns about climate and the environment.
- Analyse sociocultural paradigms and rhetorical strategies in climate and environmental communication.

Part 5. Creating Knowledge Through Transdisciplinary Methods, 3 ECTS

- Describe methods for involving society in different cultural contexts for knowledge generation and case studies of transdisciplinary research.

3.2 The second and third semester – The Study Track

The second and third semester are the disciplinary or transdisciplinary study tracks selected by the students, reflecting their different backgrounds.

Study track	Semester 2	Semester 3
ST1: Environmental Humanities and Law	PLUS	UB
ST2: Environmental Social Sciences	UofG	UB
ST3: Energy and Matter	UAM	SU
ST4: Environmental Chemistry and Toxicology	SU	UT
ST5: Environmental Geoscience	UofG	AMU
ST6: Climate Change Science	NKUA	UT
ST7: Environmental Risk and Mitigation	UNIL	SUR
ST8: Transdisciplinary Approaches to Climate Change	PLUS	ULB
ST9: Global Change Biology	SUR	AMU

3.2.1 Study Track 1: Environmental Humanities and Law

The study track Environmental Humanities and Law provides students with in-depth knowledge of the disciplines involved in the development of profound, lasting, and sustainable solutions to climate change, energy transition and environmental problems. Students will study various disciplines that inform the development, adoption, and implementation of mitigation and adaptation measures to climate change, energy transition, and environmental issues that meet the political, economic, legal, societal, ethical and communication challenges and must be taken into account for developing lasting and sustainable solutions. At the end of the study track, students will have obtained knowledge on the perspectives from different disciplines that facilitate dialogue with and understanding of the positions of the different stakeholders. Students will have acquired skills to develop and implement solutions to the problems that climate change, energy transition, and environmental degradation pose to societies.

The intended learning outcomes and the details of the curriculum are available in the annexe dedicated to the study track 1.

3.2.2 Study Track 2: Environmental Social Sciences

The study track Environmental Social Sciences provide an in-depth understanding of the intricacies of the socio-ecological transformations, many of which are related to climate change, in a globalized world. Students will acquire the theoretical approach to socio and physical science research, together with a series of specific skills to tackle the environmental and societal challenges of sustainable development in the Anthropocene. The students will have the great opportunity to develop practical experiences in the compulsory placement course, working in governmental bodies, activist and community sectors. The research-led teaching that both Universities offer will prepare the students to confidently use the sociological lens to understand and investigate climate change and socio-ecological transformations and to envision sustainable and effective solutions for local, regional and global communities.

The intended learning outcomes and the details of the curriculum are available in the annexe dedicated to the study track 2.

3.2.3 Study Track 3: Energy and Matter

The study track Energy and Matter equips students with advanced expertise in sustainable energy storage, conversion, and chemistry applications essential for renewable energy systems. Through modules energy conversion, storage and sustainable chemistry, students develop the technical and theoretical skills needed to innovate within the fields of energy storage, clean energy production, and environmentally focused chemistry. This track aims to prepare students for innovative roles in renewable energy systems by equipping them with both the technical skills and practical experience necessary to address energy challenges across various sectors.

The intended learning outcomes and the details of the curriculum are available in the annexe dedicated to the study track 3.

3.2.4 Study Track 4: Environmental Chemistry and Toxicology

The study track Environmental Chemistry and Toxicology is focusing on the evaluation and solution of problems in the environment related to chemicals. Apart from theoretical studies, this study track also involves laboratory training in both chemistry and toxicology as well as field work where students will be trained in relevant sampling techniques. The Study Track aims for a comprehensive understanding of the linkages between physical, chemical, and biological process mechanisms. Students from various science backgrounds will learn to qualitatively and quantitatively address complex processes in soils, water and air as well as in organisms. In addition, students will address the ethical, legal, and regulatory frameworks governing environmental protection, chemical safety, and toxicology and to evaluate environmental risks based on multi-disciplinary approaches.

The intended learning outcomes and the details of the curriculum are available in the annexe dedicated to the study track 4.

3.2.5 Study Track 5: Environmental Geoscience

The study track Environmental Geoscience combines the study of the fundamentals and applied aspects of geoscience to develop skills required to implement sustainable environmental solutions to global challenges. Using a variety of pedagogical approaches, all driven by the most up to date research in the field of environmental sustainability, the programme will provide students with a command of the relevant scientific knowledge, digital tolls and innovative technologies to empower them to develop solutions to environmental challenges. The students will have the opportunity to tailor their studies to their specific needs and aspiration, including an in-depth knowledge of techniques used to investigate, monitor and predict, using numerical modelling, environmental hazards and risks. This programme is

particularly suitable for students that are interested the most up to date science and technology to solve geo-environmental problems for their future career and/or for further studies. It aims to develop the ability to understand and address environmental changes through a solid scientific foundation, adaptive strategies, transdisciplinary research, and technological skills, fostering a just transition and societal resilience.

The intended learning outcomes and the details of the curriculum are available in the annexe dedicated to the study track 5.

3.2.6 Study Track 6: Climate Change Science

The study track Climate Change Science lets the student acquire a comprehensive understanding of the climate system, including past and present climate variability as well as ongoing climate change. They will gain focussed knowledge about how climate is studied using remote sensing atmospheric and climate science and geophysics, ecosystem responses and feedbacks, as well as vegetation and soils in the climate system. Extending beyond the natural sciences, students will learn about sustainability in its broader sense (including renewable energies), and about climate policies. Students will apply the multi-disciplinary skills they have learned about in the study track by conducting a research internship projects in climate science.

The intended learning outcomes and the details of the curriculum are available in the annexe dedicated to the study track 6.

3.2.7 Study Track 7: Environmental Risk and Mitigation

The study track in Environmental Risk and Mitigation provides a deep understanding of processes involved in Mountain and oceanic environments which are related to environmental hazard. Students will acquire advanced experience in field and laboratory methods and practice as well as theoretical approach to assess natural hazards, from the study of physical and chemical processes through to their management, via the quantification of their probability of occurrence in different conditions. The students will have the opportunity to develop theoretical understanding and practical experience in data acquisition, mapping analysis, modelling, monitoring methods, estimation of natural hazard and risk, its management warning systems development and evaluation of strategies for risk reduction.

The intended learning outcomes and the details of the curriculum are available in the annexe dedicated to the study track 7.

3.2.8 Study Track 8: Transdisciplinary Approaches to Climate Change

The study track Transdisciplinary Approaches to Climate Change provides students with in-depth understanding of underlying scientific issues as well as societal needs to develop climate warming solutions. Students will be introduced to various disciplines that inform the development, adoption and implementation of solutions to the problems posed by climate change, energy transition and environmental issues, based on the transdisciplinary knowledge on climate, energy and environment obtained in the first semester.

The intended learning outcomes and the details of the curriculum are available in the annexe dedicated to the study track 8.

3.2.9 Study Track 9: Global Change Biology

The study track in Global Change Biology equips students with a deep understanding of biodiversity, ecological interactions, and the impacts of global change on ecosystems. This track combines scientific theory with practical, field-based skills, preparing students to address complex environmental challenges using cutting-edge methods in biodiversity conservation and ecological analysis. The study track provides students with a well-rounded skill set in ecological research, statistical modelling, and project management, blending rigorous scientific training with hands-on experience

The intended learning outcomes and the details of the curriculum are available in the annexe dedicated to the study track 9.

3.3 The fourth semester: The Master's thesis project

Each study track includes an obligatory 30 ECTS independent thesis in transdisciplinary studies of climate, environment and energy at a university within the CIVIS Alliance. This is offered as a single course or a combination of courses in accordance with university-specific regulations. Depending of the study track, the Master's thesis project should be registered specifically at selected university within the Alliance as described in the table below.

Study track	Semester 4
ST1: Environmental Humanities and Law	SU or PLUS or UB
ST2: Environmental Social Sciences	SU or UofG or UB
ST3: Energy and Matter	SU* or UAM* or UB
ST4: Environmental Chemistry and Toxicology	SU or UT or UB
ST5: Environmental Geoscience	SU or UofG or AMU
ST6: Climate Change Science	SU or NKUA or UT
ST7: Environmental Risk and Mitigation	SU or UNIL or SUR
ST8: Transdisciplinary Approaches to Climate Change	ULB
ST9: Global Change Biology	SU or SUR or AMU

* see mobility paths

The student must have received all credits from the first semester (30 ECTS) and a total of 30 ECTS from semester two and three as a balanced requirement to be registered for a Master's thesis project.

The learning goals for the thesis are as follows:

- Plan a transdisciplinary project
- Carry out, document, and complete a transdisciplinary project within the allotted time
- Demonstrate experimental, field-based, or theoretical skills
- Evaluate, analyse, and draw conclusions from obtained results
- Read and comprehend primary literature in natural, social, and human sciences related to climate, environment, and/or energy, and apply necessary theories to the project
- Conduct goal-related, transdisciplinary literature reviews
- Compile and write a scientific report corresponding to the project's scope
- Communicate the project's results in a popular scientific format

3.4 The transdisciplinary stream

The stream will engage students in learning about transdisciplinarity, including its definitions and methods, while also providing support and checkpoints for developing independent projects. It will be offered on site during the first semester in Stockholm, and thereafter online.

The main purpose will be to provide students with the knowledge, understanding and skills required to undertake a transdisciplinary thesis in semester 4. Secondary aims include maintaining connection and support networks within the student cohort and providing an overall coherence to the master's programme.

The stream will consist of remote monthly meetings, each lasting 1.5 hours. These sessions will include a combination of guest lectures, discussion panels, networking sessions and student presentations. Guest speakers will be invited from a range of fields and sectors, with the aim being to demonstrate the importance of transdisciplinary thinking in different environments.

The sessions will evolve throughout the programme, with a slightly different focus in each semester. In the first semester, concepts will be introduced and students exposed to a range of ideas from guest speakers. During the second and third semesters, students will begin to select topics for their thesis projects and the sessions will focus more strongly on helping them to develop their own ideas, forge connections with useful contacts, and establish how they can demonstrate transdisciplinarity in their own project. In the final semester, sessions will be almost entirely student-led, allowing them the opportunity to support one another while carrying out their projects.

4 Application and Admission

Stockholm University is coordinating the application to the TRACEE programme including the platform used for admission and the transfers related to participation cost and financial aid. The selection of the students receiving financial aid and admitted to the programme is made within the consortium via the Application and Scholarship Selection Committee (ASSC).

4.1 Admission Requirements and selection

The programme is open to students with a Bachelor's degree in any discipline. This sets the entry requirements for the programme itself and for obligatory courses within the programme. The entry requirements for some elective semesters are discipline-specific.

4.1.1 General Eligibility Criteria

Bachelor's degree

Academic qualifications from an internationally recognised university equivalent to a bachelor's degree.

Students in their final year of bachelor's studies can meet the requirement if they follow the instructions from University Admissions.

Find out what you need to submit here:

https://www.universityadmissions.se/en/apply-to-masters/provide-application-documents-masters/find-out-what-you-need-to-submit/

English proficiency

English proficiency equivalent to level B2 on the CEFR scale (Common European Framework of Reference for Languages).

Requirements can be met with an English test, for example an overall IELTS score of 6.5 or a TOEFL score of 90. Depending on the country of previous studies, the requirement can be completed during upper secondary or university studies.

University Admissions have specific information for each country and the test score requirements: https://www.universityadmissions.se/en/entry-requirements/english-language-requirements/

4.1.2 Specific Eligibility Criteria

Admission requirements for each study track is as follows:

Study track	Entry requirement
ST1: Environmental Humanities and Law	A Bachelor's degree or equivalent in any discipline (general requirement).
ST2: Environmental Social Sciences	A Bachelor's degree within a Social Sciences or equivalent
ST3: Energy and Matter	A Bachelor's degree within Natural Science, Engineering or equivalent including at least 30 ECTS in Chemistry and Spanish B2
ST4: Environmental Chemistry and Toxicology	A Bachelor's degree within Natural Science, Engineering or equivalent including at least 15 ECTS in Chemistry, 6 ECTS in Geology, and 15 ECTS in Mathematics or Statistics
ST5: Environmental Geoscience	A Bachelor's degree within Earth Sciences, Geography or Environmental Sciences or equivalent
ST6: Climate Change Science	A Bachelor's degree within Natural Science, Engineering or equivalent including at least 6 ECTS in Physics, 6 ECTS in Geology, 6 ECTS Mathematics or Statistics
ST7: Environmental Risk and Mitigation	A Bachelor's degree within Natural Science or equivalent
ST8: Transdisciplinary Approaches to Climate Change	A Bachelor's degree or equivalent with in any discipline (general requirement)
ST9: Global Change Biology	A Bachelor's degree within Natural Science or equivalent

4.2 Application fee

An application fee must be paid for individuals who are not citizens of countries of EU/EEA or Switzerland. The application fee is 900 SEK (Swedish kronor) and is paid directly to University Admissions in Sweden in order to have the application processed. Students pay one application fee for each intake semester they submit an application for in this system. Meaning that it doesn't matter how many courses, study tracks or programmes the student applied for that intake. If an eligible student was not admitted and decide to apply once again for another intake, the application fee should be paid again.

More information on the application fee criteria is available on the universityadmissions.se webpage. https://www.universityadmissions.se/en/fees-scholarships-residence-permit/who-is-required-to-pay-fees/

4.3 Participation Cost and scholarships

TRACEE has a single participation cost paid per semester which is independent of study track. The full programme participation cost is €9,000 for students from EU/EEA/Switzerland (€2,250/semester) and €18,000 for non-EU/EEA/Switzerland students (€4,500/semester). The participation cost covers all compulsory academic activities and includes an International Health and Accident Insurance. However, it does NOT cover travel, food nor lodging.

Stockholm University collects the participation cost on behalf of the TRACEE Consortium. Stockholm University also pays respective participation cost to the Partner Universities and administers the EMJM scholarships. All matters related to the TRACEE participation cost and EMJM scholarships should be addressed to the TRACEE coordinator at Stockholm University.

The best ranked students in the selection process, may be offered an Erasmus Mundus scholarship (EMJM) for the whole 24 months of the Programme. If you are selected as an Erasmus Mundus Scholarship holder during the admission process, the terms and conditions including the payment details will be outlined in the student agreement.

Local costs might apply at the universities involved in the study tracks and will be specified in the respective annexes. As a student you will be responsible for covering the costs of programme mobilities. If you are eligible for an Erasmus+ student mobility grant for studies, you can apply for the grant during the first semester of the programme. The grant can be awarded for up to two semesters, chosen from semesters two, three, and four.

Students might apply to general scholarship not specifically targeted to the TRACEE master. Information about Stockholm University scholarship scheme and scholarships offered by other organisations can be found on the Stockholm University webpage about scholarships:

https://www.su.se/english/education/how-to-apply/costs-fees-and-scholarships/scholarships-1.482214

4.4 Application period

The application dates for the TRACEE master will be decided for each cohort.

4.5 Documents required for the application

The documents required for the application are:

- Transcript of records
- Study track application supplement (including motivation letter)
- CV
- Proof of English proficiency
- Copy ID/Passport
- Proof of current country of residence
- Diploma

The proof of place of residence must show where the applicant is living at the time of application. It should be verified on the basis of the provision of the residence-related documents listed in the Public Register of Authentic identity and travel Documents Online (PRADO) of the European commission.

Link to the PRADO website:
https://www.consilium.europa.eu/prado/en/prado-start-page.html

4.6 Admission procedure

The admission procedure is managed by Stockholm University as the coordinating university for the Master's programme in Transdisciplinary studies for Climate, Energy and Environment.

Universityadmissions.se is the system that is used for admissions to higher education in Sweden and selected for the admission procedure of this programme. It is managed by the Swedish Council for Higher Education (UHR).

UHR manages the admissions process together with Stockholm University and is responsible for:

- The website Universityadmissions.se provided for the application

- Registering admissions documents submitted by students as part of their admissions application, such as transcripts and English test scores
- Reviewing applications to see that students meet general entry requirements
- Answering questions that students have about the admissions process
- Notifying students of their selection results in the courses and programmes they've applied for here at Universityadmissions.se

Students will be provided with the information and procedure to appeal decisions made regarding eligibility. The Higher Education Appeals Board (Överklagandenämnden) is the Swedish government agency that reviews appeals of specific types of decisions made by universities during the admissions process.

The evaluation criteria to rank the students is based on grades from the bachelor studies and the letter of motivation in the application with a proportion of 50:50.

The admission procedure is as followed:

Step	Step description	Responsibility
1: Regulation	Activate admission system/platform set evaluation criteria	Programme board
2: Application	Application through UniversityAdmission.se	SU
3: General eligibility control	Document verification and validation, followed by first screening of general eligibility	SU
4: Specific eligibility control	Students passing the first step can be evaluated for specific eligibility	PU within a track
5: Ranking	Ranking of students according to evaluation criteria	PU within a track
6: Selection	Number of students per study track set and communicated to SU	The board after suggestion from ASSC
7: Payment	The selected students must proceed with participation cost payment followed by transfer to course crediting platform for registration	SU
8: Admission	Info to partners in each Study track and admission	SU

4.7 Student agreement

Before starting the programme, each student and the TRACEE consortium will need to sign a two parties Student Agreement. The Student Agreement is an Erasmus Mundus contract between the student and the programme. It aims to regulate the terms and conditions of the participation of the student in the Programme and the scholarship.

4.8 Enrolment

Students shall be admitted and registered as programme students at all universities within a study track, from day one of the programme, when possible.

5 Residence permit and Insurance

5.1 Residence permit

Non-EU/EEA students admitted to the programme must apply for a residence permit for studies in higher education for an international two-year programme via the Swedish Migration Agency. When granted, students are for each mobility only requested to notify movement between the programme countries (with exception of the mobilities to Scotland and Switzerland, where a new residence permit application is needed). Support is given for admitted students by coordinating university's central Student Services Office.

5.2 Insurance

Appropriate insurance cover will be provided to the students by the consortium. The Erasmus Mundus Joint Master insurance scheme from Swedish Kammarkollegiet will cover students participating in the Programme. In addition, students may be required to obtain sufficient insurance coverage to comply with the host universities requirements and with national regulations, details will be available in the corresponding annex when relevant.

https://www.kammarkollegiet.se/engelska/start/all-services/insurance/insurance-for-students-and-foreign-visitors/insurance-for-erasmus-mundus-students/terms-and-conditions-erasmus-mundus-2010

6 Examination

6.1 Examination and assessment

The students' academic performance is assessed according to the examination and assessment methods, criteria, and regulations of the university responsible for the course or part of the programme that is being assessed. More details can be found in each course syllabus of the respective university.

6.2 Grades

The grades received during the programme follow the local regulations at the university where the course is given.

A comparison table is used for degree honours at some universities.

ECTS Grading Scale	AMU	NKUA	ULB	UB	UofG	UNIL	UAM	SUR	PLUS	SU	UT
A	20	9-10	20	10	22 (A1)	6,00	9,5	30+	1	A	1,0-1,3
	19		19		21 (A2)	5.75		30			
	18		18		20 (A3)	5.50					
	17		17		19 (A4)			29			
	16		16		18 (A5)	5.25					
B	15	8-8,9	15	9	17 (B1)	5,00	8	28	2	B	1,4-2,1
	14		14		16 (B2)	4.75		27			
C	13	7-7,9	13	8	15 (B3)	4.50	7	26	3	C	2,2-2,8
	12		12	7	14 (C1)			25			
D	11	6-6.9	11	6	13 C2)	4.25	6	24	4	D	2,9-3,6
					12 (C3)			23			
E	10	5-5,9	10	5	11 (D1)	4,00	5	20-21	4	E	3,7-4,0
					10 (D2)			19-20			
					9 (D3)			18			
FX	9	0-4,9	9	4	8 (E1)	3 - 3.75	4	16-17	5	FX	4,1-5
	8		8		7 (E2)			14-15			
	7		7		6 (E3)			12-13			
F	6		6	3	5 (F1)	1 - 2.75	3	10-11		F	
	5		5		4 (F2)			8-9			
	4		4	2	3 (F3)		2	6-7			
	3		3		2 (G1)			3-5			
	0-2		0-2	1	1 (G2)		0-1	0-2			

** UNIL only assigns a grade zero when a student does not show up or in case of fraud, plagiarism, cheating or attempt to cheat. Zero cannot be counted in an average mark.*
** SU does not assign a grade when a student either fails to show up or hands in a blank exam.*

The definitions and honours of the ECTS standard grading table are:

ECTS standard grading scale	*Definitions and Honours*
A	**Excellent:** Outstanding performance without errors
B	**Very Good:** Above the average standard but with minor errors
C	**Good:** Generally sound work with some errors
D	**Satisfactory:** Fair but with significant shortcomings
E	**Adequate:** Performance meets the minimum criteria
FX	**Fail:** some additional work required
F	**Fail**: much more work required

The course's grading criteria are handed out at the start of the courses in the official documentation of each involved universities in the study track.

A passing final grade requires passing grades on all included parts of the course. The final grade of the course is determined by weighing the grades from all course parts, where each grade is weighed in relation to the scope of the course parts.

6.3 Retake an examination

Retake of examination follows the regulations of the university responsible for the course or part of the programme that is being assessed.

7 Academic Degree

Students will receive a degree from Stockholm University and from the universities involved in the respective study track. The process of issuing the diploma varies from university to university. Some universities will deliver single degree certificate whereas others will deliver a joint degree certificate in the study track.

The details of the academic degree are detailed in the annex for each study track.

7.1 Transfer of credits

Before each university can issue a diploma, it needs to be ensured that all the credits of the curriculum are recorded at each university meaning that both the necessary courses and the transfer of credits are completed at each corresponding university.

The system of credits used in most of the CIVIS universities is the European Credit Transfer and Accumulation System (ECTS).

The University of Glasgow uses the Scottish Credit and Qualifications Framework (SCQF). The equivalence of credit points for the University of Glasgow with ECTS is done by multiplying the number of ECTS credits by two to convert to SCQF and by dividing the number of SCQF Credit Points by two to convert to ECTS.

Partner University	AMU	NKUA	ULB	UB	UofG	UNIL	UAM	SUR	PLUS	SU	UT
System	ECTS	ECTS	ECTS	ECTS	SCQF	ECTS	ECTS	ECTS	ECTS	ECTS	ECTS
Necessary credits for the degree	120	120	120	120	240	120	120	120	120	120	120

7.2 Academic degree

Students will receive a degree from Stockholm University and from the universities hosting a student within a study track. The process of issuing the diploma varies from university to university. Depending on the study track, universities will deliver multiple degrees, a joint degree, or a combination of both:

Study track name	Awarding universities	Degree type	Degree Title
ST1: Environmental Humanities and Law	SU	Multiple	Master of Science in Transdisciplinary Environmental Science
	PLUS	Joint	Master in Transdisciplinary Studies of Climate, Environment and Energy
	UB		
ST2: Environmental Social Sciences	SU	Multiple	Master of Science in Transdisciplinary Environmental Science
	UofG	Multiple	International Masters in Environmental Social Science
	UB	Multiple	Master in Cross-Disciplinary Perspectives on Socio-ecological Transformations
ST3: Energy and matter	SU	Multiple	Master of Science in Transdisciplinary Environmental Science
	UAM	Multiple	Master in Energy and Fuels for the Future (Local 60 ECTS)
	UB	Multiple	Master in Nature-centered Approach to Sustainability
ST4: Environmental Chemistry and Toxicology	SU	Joint	Master of Science in Transdisciplinary Environmental Science
	UT		Master of Science in Transdisciplinary Studies of Climate, Environment and Energy
	UB		
ST5: Environmental Geoscience	SU	Multiple	Master of Science in Transdisciplinary Environmental Science
	UofG	Multiple	International Masters in Environmental GeoScience
	AMU	Multiple	Master Sciences de la Terre et des planètes, environnement
ST6: Climate Change Science	SU	Joint	Master of Science in Transdisciplinary Environmental Science
	NKUA		Master of Science in Transdisciplinary Studies of Climate, Environment and Energy
	UT		
ST7: Environmental Risk and Mitigation	SU	multiple	Master of Science in Transdisciplinary Environmental Science
	UNIL	multiple	Master of Science (MSc) in Environmental Science
	SUR	multiple	Master of Science in Sciences and Teaching of Natural Systems
ST8: Transdisciplinary Approaches to Climate Change	SU	Multiple	Master of Science in Transdisciplinary Environmental Science
	PLUS	Joint	Master in Transdisciplinary Studies of Climate, Environment and Energy
	ULB		
ST9: Global Change Biology	SU	Multiple	Master of Science in Transdisciplinary Environmental Science
	SUR	Multiple	Master of Science in Sciences and Teaching of Natural Systems
	AMU	Multiple	Master Biodiversité, Écologie et Évolutionin

7.3 Degree certificate application

More information will be provided during the course of the programme.

7.4 End of programme conference

More information will be provided during the course of the programme.

8 Academic calendar

The first semester corresponds to the autumn semester at Stockholm university. It starts in late August/early September and continues until mid-January.

The second and third semester dates vary depending on the mobility path in each study track and are available in the corresponding annex of the student handbook.

The fourth and last semester is dedicated to the degree project and dates may vary depending on the selected path and place of registration.

9 Support and guidance during the programme

9.1 Pre arrival information

In order for you to be well prepared for your journey in the TRACEE master, you will receive information to support you and ensure everything is in order before the start of the programme. Additionally, before each semester begins within your study track, the host university will organize information sessions.

Stockholm University hosts a series of live webinars for newly admitted students. These webinars cover everything you need to know after receiving your admission results and before arriving in Sweden and starting the TRACEE master.

https://www.su.se/english/education/a-smooth-start/pre-departure-information

9.2 Arrival and welcome activities

The programme starts at Stockholm University where a series of welcome activities, including an arrival service, are organised at the beginning of the first semester. The activities are designed to assist you as a new student and introduce you to university life in Stockholm and also within the CIVIS Alliance. Attendance to these events is optional, but we highly recommend attending in order for you to familiarize yourself with the campus and the support available for students, as well as to make friends!

https://www.su.se/english/education/a-smooth-start/welcome-activities

Each programme cohort will be welcomed to TRACEE in form of a programme kick-off at Stockholm University. During the kick-off both academic and/or administrative staff from all partner universities will participate on site and/or online. The programme content, cohort-specific details, student services, study track details and the path through the programme as well as expected outcomes from the programme will be introduced and discussed. Importantly, we see the kick-off as a first opportunity to start welding all different academic and cultural backgrounds of the cohort, also introducing expertise within the consortium academic staff to the students. At the programme kick-off each student and the consortium will sign the individual student contracts.

Each mobility path will then include welcome activities for each of the receiving universities for the second and third semester detailed in the corresponding annex of the student handbook.

9.3 Study and career counselling

Starting the programme at Stockholm University, you will be introduced to the study and career counselling services that can provide help during the whole programme. Additionally, each host university within your study track will provide local support related to your studies.

You can connect with our study counsellors in several ways: in person, by telephone, or online. They offer individual guidance and support to help you make a well-informed decision about your studies and career.

https://www.su.se/english/education/student-support/study-and-career-counselling

9.4 Alumni

Information about all partner universities' alumni's careers will be published on the programme website in line with relevant data protection regulations.

Programme alumni will be encouraged and supported to establish a TRACEE Alumni Association, to build a stronger TRACEE identity. A first step is the creation of a LinkedIn group open to all students,

alumni, teaching staff, visiting educators and associated partners. The objective of this new networking tool is to increase visibility of the programme and broaden alumni's career opportunities.

A strong sense of belonging to the programme, and a common programme identity are of great importance for the consortium – not only within each cohort, but also between cohorts, and between active students and alumni. The aim is to have each academic year's kick-off become a meeting place for all said groups, together with the academic and administrative staff working with the programme. The same adjoined meeting place will be the end-of-programme conference, concluding each cohort. External stakeholders, linked to the programme's educational activities, will also be invited to participate at such events, on site or online.

9.5 Language

As TRACEE student, you will find it easy to navigate daily life in English, as Europe has a high level of non-native English proficiency. However, immersing yourself in the local language of the partner university will deepen your understanding of different cultures, help you build social connections, and strengthen your CV if you plan to work internationally in the future.

As TRACEE student you are encouraged to develop your language skills and take the opportunity to learn and practice the languages that you will encounter during your mobilities within the programme. Therefore, you are welcome to the Language Learning Resource Centre (Språkstudion) at SU during your first semester, where Language Cafés are organized, as well as tandem language exchange programme, where you are matched with a language buddy to mutually practice each other's languages.

https://www.su.se/sprakstudion-language-learning-resource-centre/about-spr%C3%A5kstudion/language-cafes-1.619508

https://www.su.se/sprakstudion-language-learning-resource-centre/about-spr%C3%A5kstudion/find-a-language-buddy-1.619588

9.6 Writing

The Academic Writing Service provides free English-language support for writing and study skills. Services include talks, seminars, and individual guidance to help you improve your academic performance.

https://www.su.se/english/education/student-support/academic-writing-service

9.7 Bank

Depending of the study path, information on bank account might be specified in the corresponding annex of the study track. It is not required to open a bank account in each of the visited country during the mobility in your studies.

For transfer of the EMJM scholarship a non-EU/EEA/Switzerland students needs to have a bank account in Sweden.

10 Support and guidance during the first semester

10.1 Housing

While there is no guaranteed housing, each host university typically provides guidance to help you find accommodation. Since the programme involves multiple mobilities, you will need to arrange housing in multiple locations.

10.2 Living expenses

Like in most cities, the cost of living in Stockholm largely depends on your individual lifestyle and habits. Students in Stockholm should budget at least 11,214 SEK per month to cover their living expenses. Accommodation will likely account for the largest portion of your monthly budget. The cost of rent varies depending on the location, size, and type of housing. For a detailed breakdown of what a typical monthly budget might look like, you can visit SU's page on living costs.

https://www.su.se/english/education/new-in-sweden/living-costs

The cost of living for each study track is detailed for each semester in the corresponding annex.

10.3 Public transport

Navigating Stockholm with public transport is easy and convenient, thanks to its comprehensive and well-integrated system.

You can travel from Arlanda Airport to Stockholm city center by Arlanda Express, commuter train (SL Pendeltåg), or Flygbussarna airport bus. Taxis are also available.

To reach Frescati campus by metro (Tunnelbana) from the central station, take the red line towards Mörby Centrum and get off at Universitetet (The University). You can also explore other routes and plan your journey using Stockholm Public Transport (SL) online resources.

10.4 Finding your way on campus

Stockholm University is home to multiple campuses, each offering a unique environment for study and exploration. The main campus, Frescati, is known for its beautiful natural surroundings, is just 20 minutes from the city centre. Nearby, the sustainable Albano campus, inaugurated in 2023, provides state-of-the-art facilities and fosters collaboration.

At Stockholm University's various campuses, there are designated resting rooms, known as "vilorum," available for students and staff. These rooms provide a quiet space for rest and are located in different buildings. In the Student House, there are also nursing rooms.

Additionally, contemplation rooms, known as "andrum", are open to all students and staff, regardless of religious affiliation or belief. These spaces offer a peaceful environment for reflection, meditation, or prayer.

The university's website provides detailed information on the locations, opening hours, usage guidelines, and contact details for these rooms.

https://www.su.se/english/about-the-university/about-our-campus

10.5 Stockholm University library

Located in Frescati, the University Library offers full access to books, journals, articles and databases, in printed and digital formats. The University Library's staff are experts in searching for information and managing references, and will gladly show you how to search, select and critically examine scientific resources.

https://www.su.se/stockholm-university-library/

10.6 Student health

The student health webpage provides essential information about your health and study environment at Stockholm University. A supportive and well-functioning study environment is a priority at the

university, encompassing everything from study spaces and teaching modes to unwritten rules of behaviour.

You can also explore resources to support your well-being, including student health services, which offer individual counselling, group sessions, workshops, and other activities to help you achieve your full academic and personal potential.

Additionally, you will find details about student insurance. Students are covered by different insurance policies depending on their status, so it is important to understand which category you belong to. Lastly, the page provides guidance on what to do if you become ill or face an emergency during your time at Stockholm University.

https://www.su.se/english/education/student-health

10.7 Special needs /Disability support

Stockholm University provides various types of study support for students with long-term disabilities, aiming to ensure that all students have the opportunity to study on equal terms.

The support is designed to facilitate your studies in a way that is reasonable, taking into account your specific disability, course requirements, and intended learning outcomes. Applications for disability study support are managed by the staff at Disability Services.

Students with a medically documented long-term disability—defined as a condition that has lasted or is expected to last at least six months—are eligible to apply for support.

You can find more information about the different types of disabilities and the application process on this page.

https://www.su.se/english/education/student-support/studying-with-a-disability?open-collapse-boxes=ccbd-whocanapplyforsupport,ccbd-howtoapplyforsupport

10.8 Student Union/Organisation

Stockholm University has three student unions—one large and two departmental—alongside Faculty Clubs and Student Union Associations.

The student unions represent students' interests, ensuring their voice is heard in education and university decisions. They also play a key role in social life, influencing areas like course planning, housing, and even coffee prices.

Faculty Clubs bring together students from the same or similar disciplines and organise activities such as student pubs, seminars, and career fairs. Student Union Associations are open to all students and cater to diverse interests, offering a wide range of extracurricular activities.

The Student Union membership gives you access to a wide variety of benefits and discounts on everything from course literature and lunch to public transportation and training.

You will find a full list of these organisations and details about memberships on the webpage of the student union.

https://www.su.se/english/education/student-life/student-unions

10.9 IT Services

Stockholm University provides a range of IT tools and services to assist students throughout their academic journey. On these pages, you'll find information on how to access wireless networks, IT

support, printers, software licenses, and other essential digital tools that you may need during your studies.

https://www.su.se/english/education/it-for-students

10.10 Swedish courses

The Department of Swedish Language and Multilingualism offers a range of Swedish courses specifically designed for international students.

https://www.su.se/department-of-swedish-language-and-multilingualism/education/courses-and-programmes/swedish-for-international-students-1.561562?eventopenforinternationalstudents=true&notforcedreason=0&q=&xpanded=

Contact us

Do you have any questions about the TRACEE Master programme? Please do not hesitate to contact us!

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