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Master's Programme in Transdisciplinary Studies of Climate, Environment, and Energy

Student Handbook - Study Track 5: Environmental Geoscience

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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 issuing 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 2026 applies to all students admitted and enrolled in the programme starting in 2026.

Curriculum: The elements that make up a degree programme, including the structure, the content to be covered, intended learning outcomes, teaching, 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 recognised as having attained a specific level of expertise in their field of study defined by the intended learning outcomes of the Programme.

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 the practices and regulations 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 standardised 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: 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 programme 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 specialised 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 their 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's programme are distributed according to the student's selected study path and 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 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 students' understanding of transdisciplinarity, maintains the coherence of the Programme and keeps the cohort of students connected throughout the entire duration of the programme, and provides 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 complete at least two mobilities to countries other than the student's country of residence at enrolment. 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 represent a second mobility in relation 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 Semester 4.
- Students in ST3 residing in Spain at the time of the application should be admitted to the University of Bucharest (UB) in Semester 4.
- Students in ST4 residing in Germany at the time of the application should be admitted to the University of Bucharest (UB) in Semester 4.
- Students in ST3 residing elsewhere in the world (outside Sweden or Spain) can register either at Stockholm University (SU), the Autonomous University of Madrid (UAM) or the University of Bucharest (UB) in Semester 4.
- Students in ST4 residing elsewhere in the world (outside Sweden or Germany) can register either at Stockholm University (SU), the Eberhard Karls University of Tübingen (UT) or the University of Bucharest (UB) in 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	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			

* For ST3, students residing in Sweden or Spain at enrolment should be admitted to UB for Semester 4. Other students may be allocated to SU or UB, subject to the thesis allocation procedure and final approval

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, Environment, and Energy – 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 globalised 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 tools 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 feedback, 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 project 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 on the study track, the master's thesis project must be registered at a specific university within the Alliance, as described in the table below.

Students in each study track will be asked to indicate their preferred university for completing the fourth semester; however, placement at the preferred university cannot be guaranteed. The final decision will be made by the Programme Board.

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 are 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 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 within 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 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](https://www.universityadmissions.se) webpage.

<https://www.universityadmissions.se/en/fees-scholarships-residence-permit/who-is-required-to-pay-fees/>

4.3 Participation Cost, mobility grant and other funding

TRACEE has a single participation cost, paid per semester, which is independent of the chosen study track. The full programme participation cost is €9,000 for students from the EU/EEA/Switzerland and €18,000 for students from outside the EU/EEA/Switzerland. This corresponds to €2,250 per semester for EU/EEA/Switzerland students and €4,500 per semester for non-EU/EEA/Switzerland students.

The participation cost covers compulsory academic activities, tuition/registration at the partner universities, student services related to the programme, and insurance arranged for the programme. It does not cover living expenses, accommodation, travel, visa or residence-permit costs, food, or other personal expenses. However, some additional costs may apply, depending on the study track, host university, country, or planned activities. Students should therefore check the study-track-specific information and follow the instructions provided by the relevant partner university.

Stockholm University collects the participation cost on behalf of the TRACEE consortium and transfers the relevant parts to the partner universities. Questions about payment of the participation cost should be addressed to the TRACEE coordination at Stockholm University.

Students are responsible for covering the costs connected to programme mobility, including travel and living costs in each host country. Eligible students can apply for an Erasmus+ student mobility grant during the first semester. The Erasmus+ mobility grant is intended to contribute to additional costs during mobility abroad and does not cover the full cost of participation, housing, travel, or living expenses.

The TRACEE programme currently does not offer tuition waivers or fully funded scholarships. Students may be eligible to apply for Erasmus+ mobility support for mobility periods outside Sweden, normally during semesters 2 and 3, but this grant does not cover the full participation cost, housing, travel, or living expenses. Students should therefore plan their finances carefully and are encouraged to explore external scholarships and funding opportunities.

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

4.4 Application period

Cohort-specific application dates are published on the official Stockholm University programme page. Applicants should check the current application period, document deadlines, and any payment deadlines that apply to their cohort.

4.5 Documents required for the application

The documents required for the application are:

- Transcript of records (in English)
- Diplomas or certificates of completed degrees.
- Curriculum Vitae
- Proof of English proficiency
- Scanned copy of ID or Passport
- Online application supplement (motivation letter)

4.6 Admission procedure

The admission procedure is managed by Stockholm University as the coordinating university for the master's programme in Transdisciplinary Studies in 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 follows:

Step	Step description	Responsibility
1: Regulation	Activate admission system/platform set evaluation criteria	Programme board
2: Application	Application through Universityadmissions.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-party Student Agreement. The Student Agreement is a contract between the student and the programme. It aims to regulate the terms and conditions of the participation of the student in the Programme.

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

Students are responsible for ensuring that they have the correct residence permit, visa, registration certificate, or other immigration documentation required for each country in which they study during the programme. The partner universities provide information and support, but all decisions are made by the relevant national authorities. Visa and residence-permit costs are not included in the participation cost.

Students from outside the EU/EEA who will study in Sweden for more than three months normally need a residence permit for studies in Sweden. The application should generally be submitted before travelling to Sweden and must be granted before entry, unless other rules

apply. Students who are required to pay the participation cost must have paid the first instalment before applying for the residence permit.

To be granted a Swedish residence permit for studies, students must meet the Swedish Migration Agency's requirements, including final admission to full-time studies, a valid passport, sufficient financial maintenance, and relevant insurance documentation. Students should always check the current requirements directly with the Swedish Migration Agency before applying.

As TRACEE is a two-year programme starting at Stockholm University, non-EU/EEA students are encouraged to apply for a Swedish residence permit covering the full study period, where this is possible. The Swedish Migration Agency may grant a permit for up to two years for studies at Stockholm University, but the permit period is always decided by the Swedish Migration Agency and cannot be longer than the study period or the validity of the student's passport.

EU/EEA citizens who are registered students at a Swedish university do not need to apply for a Swedish residence permit. Swiss citizens follow separate rules and must apply for a residence permit if they plan to stay in Sweden for longer than three months, but they may begin studying after arrival while the application is being processed.

For mobility semesters outside Sweden, students must follow the instructions from the host university and the competent national authorities in the relevant country. Requirements may differ depending on citizenship, residence-permit status, destination country, length of stay, and the type of study activity. Students should therefore check the official information well in advance of each mobility period. For mobility semesters at partner universities outside Sweden, students must follow the instructions from the host university and the competent national authorities. Requirements may differ depending on the student's citizenship, residence-permit status, destination country, length of stay, and type of study activity, for example if the mobility includes an internship or work placement. Students should check the official information well in advance of each mobility period, as regulations, procedures, and costs may change.

<https://www.migrationsverket.se/en/you-want-to-apply/study/higher-education.html>

5.2 Insurance

You are insured throughout the Programme as described below:

Students from the EU/EEA/Switzerland are covered by the general student insurance that applies at Stockholm University during school hours and travel to and from the place of study. These students should also bring a valid European Health Insurance Card (EHIC), which gives access to medical care in Sweden at the same cost as Swedish residents. More information:

<https://www.su.se/english/education/student-health/insurance/insurance-for-eu-eea-swiss-nordic-citizens>

Fee-paying students from outside the EU/EEA/Switzerland are covered by FAS+ – The Swedish State's Insurance for Fee-Paying Students, provided by Kammarkollegiet. FAS+ is accepted by the Swedish Migration Agency as comprehensive health insurance and applies according to its terms and conditions. More information:

<https://www.kammarkollegiet.se/engelska/start/all-services/insurance/insurance-for-students-and-foreign-visitors/insurance-for-students-who-pay-tuition-fees-fas-and-fasplus/terms-and-conditions-fee-paying-students-fas-2021>

Semesters at PUs other than SU

All students are covered by Student OUT, provided by Kammarkollegiet and ordered by Stockholm University, during mobility periods at partner universities outside Sweden. Student OUT applies during studies or internships abroad, including travel between Sweden and the host country and the study period at the host university, according to its terms and conditions. More information:

<https://www.kammarkollegiet.se/engelska/start/all-services/insurance/insurance-for-students-and-foreign-visitors/insurance-during-education-abroad-student-out>

In addition to the insurance schemes described above, students may be required to obtain additional insurance coverage to meet host-university requirements or national regulations. The partner universities will inform students accordingly. Students should read the applicable terms and conditions before travelling, especially regarding coverage, restrictions and exclusions.

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		29					
	17		17		19 (A4)								
	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		0-4.9	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 attend 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 university 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 a 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 Évolution

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

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 organise 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 familiarise 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 organised, 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/english/divisions/sprakstudion-language-learning-resource-centre/about-sprakstudion/language-cafes>

<https://www.su.se/english/divisions/sprakstudion-language-learning-resource-centre/about-sprakstudion/find-a-language-buddy>

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 on 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.

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>

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 centre 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>

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 licences, 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/english/divisions/departments-of-swedish-language-and-multilingualism/education/courses-and-programmes/swedish-for-international-students?eventopenforinternationalstudents>

11 The study track 5: Environmental Geoscience

11.1 The vision of the study track

This study track is part of an 'umbrella' international programme, the Transdisciplinary Master in Climate, Environment and Energy, an allied initiative between 11 partner universities within Europe and Africa. The programme consists of four semesters; the first semester will be spent at the Stockholm University (Sweden), the second at the University of Glasgow (UK), the third at the Aix-Marseille University (France). In the fourth semester students will complete a thesis at any of the three Universities mentioned above.

As a whole, the Transdisciplinary master is a framework for education about climate, environment and energy, with a strong focus on trans-disciplinarity that permeates the entire programme, from the first semester to the dissertation design. The programme in 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 tools and innovative technologies to empower them to develop solutions to environmental challenges.

The programme include core and optional courses to provide the students with the opportunity to tailor their studies to their specific needs and aspirations, including an in-depth knowledge of techniques, including numerical modelling, used to investigate, monitor and predict environmental hazards and risks. This programme is particularly suitable for students that are interested in the most up-to-date science and technology to solve geo-environmental problems for their future career and/or for further studies.

The main aims of this programme are to:

- Develop an informed ability to understand the interconnectivity of all aspects of our environment, by combining a solid in-depth scientific base within a wider framework, to understand the complex interaction of all aspects of environmental change.
- Formulate and enhance adaptive strategies to mitigate and adapt to the effect of environmental changes and support communities for a just transition.
- Apply a systematic approach to transdisciplinary research, supporting students to identify the mechanisms through which environmental issues drive social and economic impact and vice versa.
- Acquire a series of technological skills to approach research in environmental geoscience

11.2 Target group of students: Entry requirements

Normally a first or upper second-class Honours degree in a relevant area or equivalent professional experience

11.3 Intended learning outcomes of the study track

By the end of this programme, students will be able to:

- Describe and evaluate the urgent threats to humanity, including health, climate and environmental change.
- Explain the environmental challenges faced by our planet and critically evaluate the interactions between the different components of the physical environment.
- Demonstrate a familiarity with models applied to climatology and environmental challenges using the most up-to-date practices in academia and industry.
- Solve a wide range of problems relating to the capture, processing, management, modelling and interpretation and presentation of data, related to the transdisciplinary approach to environmental geoscience.

- Create and resource an independent transdisciplinary research project.
- Present, for both a specialist and non-technical audience, advanced geo-environmental and research concepts in a range of formats, including, but not limited to reports, posters and social platforms.
- Engage with diverse perspectives and work in groups/teams respectfully and ethically.
- Think, learn and work independently (including time management).

12 Structure overview of Study Track 5

The study track is divided into four semesters of 30 ECTS each, for a total of 120 ECTS.

The study track takes place at Stockholm University, Sweden (SU), the University of Glasgow, Scotland (UofG) and Aix-Marseille University, France (AMU).

- The first semester corresponds to the programme common core. It takes place in Stockholm (SU) in autumn and is described in the Student Handbook.
- [Start date and end dates to be decided]
- The second semester is the first part of the study track specialisation in Environmental Geoscience. It takes place during the spring semester in Glasgow (UofG)
- [Start date and end dates to be decided]
- The third semester is the second part of the study track specialisation in Environmental Geoscience. It takes place during the autumn semester of the second year in Marseille (AMU).
- [Start date and end dates to be decided]
- The fourth and last semester is dedicated to the final degree project, the Master's thesis. It takes place during the spring semester at SU, UofG or AMU.
- [Start date and end dates to be decided]

Study track	Semester 1	Semester 2	Semester 3	Semester 4
ST5: Environmental Geoscience	SU	UofG	AMU	SU or UofG or AMU
	Common Core	Study Track		Master's thesis
	Transdisciplinary stream			

13 Study track content overview

The study track overview by study progress is presented below:

University	Code	Module Title	ECTS per Semester				Total ECTS
			S1	S2	S3	S4	
SU	Mandatory	Climate, Environment, and Energy – a Transdisciplinary Perspective • Systems Thinking (3 ECTS) • Climate, Environment and Energy – A Natural Science Perspectives (9 ECTS) • Climate, Environment and Energy – A Social Science Perspectives (9 ECTS) • Climate, Environment and Energy – A Humanities Perspective (6 ECTS) • Creating Knowledge Through Transdisciplinary Methods (3 ECTS)	30				30
UofG	Mandatory	Topographic Modelling and Landscape Monitoring		5			30
	Mandatory	Modelling of Landscape Evolution		5			
	Mandatory	Machine Learning Applications for Earth System Problems		5			
	Mandatory	GNSS and Geodesy		5			
	Conditionally Elective	Specialization (1 among 2 specialization, 10 ECTS) a) Water Monitoring and Modelling i) Modelling Water Environments (5 ECTS) ii) Monitoring Water Environments (5 ECTS) b) Specialization in Computational Geoscience i) Numerical Modelling of Solid Earth Dynamics (5 ECTS) ii) Analytical Methods in Geoscience (5 ECTS)		10			
AMU	Mandatory	Debates in Geosciences			2		30
	Mandatory	APP3 Project driven learning (modelling in geosciences)			4		
	Mandatory	Field trip			6		
	Mandatory	Advanced topics in geosciences			9		
	Mandatory	Quaternary geochronology			3		
	Mandatory	Remote sensing of Earth and Planetary Surfaces (3 ECTS)			3		
	Conditionally Elective	Select 1 course in the list provided: • Climate-Carbon Cycle-Carbonates (3 ECTS) • Faults From the Outcrop to the Plate Boundary (3 ECTS)			3		
SU / UofG / AMU	Mandatory	Master's thesis				30	30
			30	30	30	30	120

14 Your semester at the University of Glasgow

14.1 Arrival and welcome activities

The University of Glasgow (UofG) has very detailed webpages which can be accessed to find out lots of different information about Glasgow. There are three main webpages that you should look at for advice and information about life and studying at the University of Glasgow.

These are:

- The general pages for students
- The pages for international students
- The pages of the Student Representative Council. This is an independent, student-led organisation, recognised as the representative body for students registered at UofG.

For example, you can find a checklist to help you prepare for your arrival in Glasgow on the general website for students. Please see here:

www.gla.ac.uk/myglasgow/students/new/checklist/

Information about welcome weeks for international students take place in September and January. Information about the Welcome Weeks can be found through the webpages for international students. Please see here:

www.gla.ac.uk/international/support/welcomeeventschedule/

Your first point of contact regarding any practical issues relating to your time as a student at UofG is the **Student Services Enquiry Team** (SSET) based in the Fraser Building. The SSET can help you with issues such as:

- Campus cards (expired, lost, damaged)
- Certifying Letters and Student Status forms
- Council tax Exemption
- Degree Verification
- Personal Information Updates
- Transcripts or Higher Education Achievement Record (HEAR)
- Financial Issues
- Advice on other services to contact within the Schools and Colleges
- General advice

The SSET also has a specific team called the Registration and Enrolment Support Team (REST). This team operates in September and October and can help with any enrolment issues.

There is also a specific team that can help with International Student Support (ISS). This team can help with:

- **Visa and Immigration Advice:** This ranges from practical advice for applying for a visa or a visa extension as well as advice on more complex immigration queries related to dependents or asylum. This team works closely with the Visa Compliance Team on these issues.
- **Practical Advice:** for international students, please be aware of fraud and scams such as arriving at Glasgow airport or opening a bank account.
- **Helping students adjust** it can feel strange being in a different country and culture. The ISS team can help you with finding relevant societies, cultural, or spiritual groups in Glasgow.
- **Variety of Events:** The ISS team advertises various events for international students.

14.2 Housing

All the most up-to-date information about University accommodation can be found here:

<https://www.gla.ac.uk/postgraduate/accommodation/fees/>

It is possible to look for private accommodation in the city, but please make sure that you rent from a landlord with the correct licences. In particular, your landlord should have an HMO Licence for multiple occupancy use.

More information about private accommodation can be found here:

<https://www.gla.ac.uk/postgraduate/accommodation/privateaccommodation/>

14.3 Living expenses

It is estimated that you should budget from around £1,100 to £1,700 per month to live and study in Glasgow. Costs could be slightly higher or lower depending on your accommodation costs. More information can be found here:

[https://www.gla.ac.uk/study/studentlife/costofliving/#:~:text=It's%20also%20a%20good%20idea,lifestyle%20\(published%20October%202024\).](https://www.gla.ac.uk/study/studentlife/costofliving/#:~:text=It's%20also%20a%20good%20idea,lifestyle%20(published%20October%202024).)

If you run into financial difficulties while studying at UofG, please reach out, either to the **Student Representative Council** through its Advice Centre or the **Student Support Officers** at your College or School. Contact details can be found here:

<https://www.gla.ac.uk/myglasgow/students/supportofficers/>

14.4 Bank

You may need a UK bank account while staying in Glasgow. For example, you may need to pay your rent via bank transfer or may need to provide evidence of your finances for immigration purposes. UofG cannot recommend any particular banks, but high-street banks are easily accessible as well as online bank accounts. If you will be in the UK for less than six months, then please see here:

<https://www.gla.ac.uk/international/support/practicalinformationinternationalstudents/banking/#studentsoncoursesoflessthan6months>

14.5 Public transport

Glasgow has a bus, train, and subway network. Google Maps generally provides accurate information for travelling across the city. But you can also use Traveline, Scotland's national public transport information service provider. The buses in Glasgow are generally operated by either First Bus or McGill, although other companies also operate in Glasgow and throughout Scotland. Trains are provided by Scotrail. The subway network is provided by SPT

Tickets for First Bus can be paid for using their 'tap on, tap off' system. This allows you to tap your card or phone against the card readers when you enter the bus and then tap again as you leave. You will need a UK bank account to access this service. Otherwise, a ticket can be purchased from the driver. You will need to let the driver know what bus stop you plan to get off at unless you buy a day pass.

Tickets for McGill buses are purchased from the driver when you enter the bus. You will need to let the driver know what bus stop you plan to get off at unless you buy a day pass.

Tickets for Scotrail can be purchased via the website or the Scotrail app. You can also purchase tickets in stations that either have a ticket office or a ticket machine. If these do not exist at the station you are travelling from, then you can buy your ticket from the conductor who will walk through the train as it travels. If no conductor comes, you may need to buy a ticket at the station if electronic barriers are in operation. In stations with electronic barriers, there will be a possibility to buy a ticket at the barriers.

Tickets for the subway can be purchased at stations. The subway consists of an Inner Circle and an Outer circle. The subways come every few minutes or so. Because it is circular, if you get on the wrong line, you just have to wait longer for your stop to come back round! A full circuit takes around 24 minutes.

14.6 Navigating campus

The **UofG LIFE app** is your one stop shop for getting around campus. You can download this via the Apple Store or Google Play or use the web version. Please see here for details: <https://www.gla.ac.uk/myglasgow/uofglife/>

The app has a wayfinding feature to help you search for buildings and to get directions from where you are. The '**Near Me**' function will help you locate facilities across the campus such as:

- Bike racks
- Accessible parking
- Accessible toilets
- ATMs
- Baby changing facilities
- Bike racks
- Defibrillators
- Food outlets
- Places to find period products
- Spaces for prayer and reflection
- Retail outlets
- Student support officers
- Showers
- Toilets
- Viewpoints and attractions
- Water fountains

The app can also help you locate study spaces on campus and find out about the occupancy levels at the library. As well as this, you can use the app to keep track of your timetable and library books on loan. It also has a feature that will take you straight to help and advice about student support and wellbeing.

14.7 Student Health & Wellbeing

14.7.1 Health Care

The National Health Service (NHS) has developed a student health hub with information about using the NHS while staying in Glasgow.

You **must absolutely make sure** that you have access to your insurance policy, purchased by Stockholm University, before you travel to the UK. Please familiarise yourself with the terms of this policy and take into consideration the specific situations it applies to and consider if you need to buy any extra insurance for any trips that are not covered by that insurance policy.

In Scotland, doctors outside of hospitals are referred to as 'General Practitioners' abbreviated to 'GP'. The GP is usually the first point of contact relating to your health needs. Although some limited help can be provided at some pharmacies. If necessary, a GP can refer you to a specialist. On arrival in Scotland you should register with your local GP. For emergency situations, requiring police, ambulance, or fire brigade you can call 999. This number is only for serious emergencies. You can also call 111 which can provide advice on the phone regarding symptoms and advice on which service you should contact.

For all the information and guidance about accessing health care in the Glasgow, including dentists, please see:

<https://www.gla.ac.uk/international/support/practicalinformationinternationalstudents/nhs-health-services/>

14.7.2 Wellbeing

There are several services available at UofG to help with wellbeing. The below provides an overview of each service and what it offers. Please visit the relevant webpages to find out more.

Student Support Officers

Each College at UofG has appointed Student Support Officers. These are staff who are based in the different Schools and Colleges, as well as centrally, and are there to provide a frontline service to students who need support. Please visit

<https://www.gla.ac.uk/myglasgow/students/supportofficers/> to find out the relevant Student Support Officer to contact in your School or College. The Student Support Officers can help signpost you to other services as well as helping students to resolve short-term issues and difficulties. The range of issues the Student Support Officers can help with are:

- Mental Health and Wellbeing
- Finances
- **Accommodation**
- Settling in
- Future and career prospects
- University processes
- Study support

Counselling and Wellbeing Services

If you are struggling with your mental health, UofG also offers Counselling Services. These comprise various services. More information can be found here:

<https://www.gla.ac.uk/myglasgow/counselling/>

For anything relating to a **crisis situation** such as a but not limited to:

- Student death
- A student being hospitalised due to a serious illness/mental health crisis
- Student at risk of suicide/in mental health crisis
- Student subject to crime
- Student appears to be missing

Please contact 999 (for police, ambulance, fire brigade) then call campus security via the SafeZone app. Using the SafeZone app will put you in touch with the student crisis team who can assist with enquiries, first aid, or an emergency worldwide. For more information, please visit: <https://www.gla.ac.uk/myglasgow/staff/emergencyandcrisissupport/>

The **Peer Wellbeing Support Service** is a peer-to-peer listening service. The service is run by student volunteers who have been trained by three practising counsellors. The kinds of issues this service deals with are:

- Loneliness
- Worries about family
- Academic stress
- Reflecting on world issues.

You can access this service here: <https://www.gla.ac.uk/myglasgow/studentlisteners/>

The UofG **Counselling Service** offers a range of services designed to help those with mild to moderate needs. The service does not diagnose or prescribe and is not a crisis service. You should contact your GP if you require more serious medical assistance and the situation is not critical. The Counselling Service can help with:

- Short term, focused blocks of therapy, subject to assessment
- Wellbeing consultations
- Psychoeducation and group work
- Self-help resources

The kinds of issues the Service deals with are, but not limited to:

- Anxiety and panic
- Ongoing difficulties resulting from bereavement and other types of loss

- Relationship difficulties
- Mild to moderate depression
- Significant life changes
- Self-confidence and self-esteem

More information about the Counselling Service can be found here:
<https://www.gla.ac.uk/myglasgow/counselling/about%20us/>

14.8 Disability Services

UofG offers a wide range of services to help students adapt. In Scotland you have the right to have reasonable adjustments made to enable you to carry out your studies. This could range from services such as help with access on campus, help with assistive technology while studying, and help with exam arrangements. The disability services have an equipment loan bank which can be used to help international disabled students.

To access disability services, you can register to speak with a Disability Officer. The Disability Office provide both online and in-person appointments. It is advised you make an appointment with the Disability Office prior to arriving in Glasgow as this will ensure you can be supported from your arrival on campus.

For information about disability services please see: <https://www.gla.ac.uk/myglasgow/disability/>

14.9 Safety On and Off Campus

UofG uses the SafeZone app which is a free university run app that is monitored 24 hours a day 7 days a week by the Campus Security team. The app can be used when you are on campus, at your accommodation, or when out in the city. The app has three core buttons that you can trigger. These are:

- The blue button for general enquiries
- The red button for emergencies
- The green button for first aid

There is also a yellow button that will allow you to access wellbeing resources. By triggering one of these services you will be put in touch with someone from the campus security team immediately who will be able to advise. For more information about the SafeZone app and to download it, please visit <https://safezoneapp.com/>

For more general information on safety, please visit
<https://www.gla.ac.uk/myglasgow/students/safetyhealth/>

14.10 Student organisations

The SRC provides detailed resources for finding out about student organisations while you are in Glasgow. There are currently 300+ SRC affiliated organisations ranging from cultural interests, world events, sports to even groups celebrating Scottish actor David Tennant! For a full list of organisations, please see <https://www.glasgowunisrc.org/clubs-socs/find/>

While you are studying at UofG, you can make the most of a membership at the UofG gym and sporting activities. UofG Sport offers classes, gym access, swimming pool access, and team sports. For more information, please visit <https://www.gla.ac.uk/myglasgow/sport/>

14.11 Language courses

Lectures at the University of Glasgow are all in English. The University offers 10-weeks language courses University of Glasgow - Study - Short courses - Short language courses in, at least 12 languages. The Student Representative Council (SRC) also organises 'Conversation Café' (Conversation Café); these are spaces run by student volunteers to help International students to make new friends and brush up on their language (English) skills; these meetings are free of charge.

15 Your semester at Aix-Marseille University (AMU)

15.1 Visa application

Depending on their country of origin and programme, international students may need to complete consular procedures before the semester.

You must start the process of obtaining the necessary authorisations for your stay in France well in advance. Without a visa and a valid passport, you will not be able to come and study at our university, so this is a crucial step!

Students who are nationals of a country in the European Union or the European Economic Area (EEA) and Switzerland do not need to complete any specific consular procedures. However, they must hold a valid identity card (or passport) for the entire duration of their stay.

Students from outside the European Union, the European Economic Area (EEA) or Switzerland should use the visa assistant on the France-Visas website to check, based on your country of residence and your plans, whether a visa application is required. Please note that as part of your visa application, you will need to prove that you have sufficient funds to support yourself in France. The amount officially required by the French authorities is €615 per month.

1) Applying for and obtaining a VLS-TS student visa (before arriving in France)

The most commonly issued visa is the Long-Stay Visa serving as a Residence Permit (VLS-TS) marked 'student'. The application must be made to the French consular authorities. Once the visa has been granted, it allows you to enter France and stay there legally for a period of between 4 months and 1 year, without having to take any immediate action at the prefecture.

2) Mandatory validation of the VLS-TS after arrival in France

Within 3 months of your arrival in France, you must validate your VLS-TS online. This step ensures your visa is fully valid as a residence permit. Validation is carried out on the dedicated page on the official website of the Ministry of the Interior.

You will need to:

- provide your personal details
- state your date of entry into France
- pay the relevant residence tax

A validation certificate will be issued to you: please keep this in a safe place.

3) Staying in France whilst the VLS-TS is valid

Once validated, the VLS-TS:

- serves as a residence permit
- allows you to study in France
- authorises you to work up to 964 hours per year (approximately 20 hours per week)

Please note: no further action is required as long as your visa is valid.

4) Applying for a residence permit at the end of the VLS-TS

As the VLS-TS is valid for a limited period, you will need to apply for a residence permit if you wish to continue your stay beyond its expiry date.

If you hold a VLS-TS marked 'student', you can apply for:

- a temporary student residence permit (valid for 1 year), or
- a multi-year student residence permit (valid for 2 to 4 years), subject to conditions

The renewal application must be made exclusively online, on the Ministry of the Interior's website, via the section: 'I am applying for or renewing a residence permit'.

Please note: it is strongly recommended that you complete this process 2 to 4 months before your VLS-TS expires.

5) Collecting your residence permit

Once your application has been processed:

- you will be summoned by the prefectural authorities
- you must collect your residence permit in person, and only upon being summoned

15.2 Arrival and welcome activities

Every semester, AMU organises free integration events and activities for international students. AMU strives to offer students the warmest possible welcome by organising a range of activities designed to help them settle into their new environment. These events, proposed and organised by the International Relations Office (DRI), form part of the university's welcome programme.

-> Must-see events for the start of the academic year:

- 2026 Science and Arts Festival: Human/Animal, a shared adventure? 15–19 September 2026
- International Month 2026: Throughout October 2026

Welcome desks for international students: **On-campus welcome officers are on hand to help you settle in and take care of all the administrative formalities!** They are your first point of contact for personalised assistance with all the administrative formalities you'll need to complete when you arrive in France (visa, accommodation, enrolment, insurance, bank account, transport, etc.):

- Help with payment of the CVEC
- Help opening a bank account
- Help registering for health insurance on the platform dedicated to international students and applying for complementary health insurance (C2S)(CPAM)
- Help with taking out compulsory and supplementary insurance with student insurance companies
- Information on public transport services and student pass subscription with Aix en Bus and RTM
- Information and assistance in finding accommodation
- Help with registering with the CAF to apply for personalised housing assistance (APL)
- Help with integrating into the local community, in terms of housing, job hunting and internships
- Help in contacting AMU's internal and local services: Service Universitaire de Santé Etudiante (SSE), Service des Sports(SUAPS), DEVEC/ Direction Vie Etudiante/Handicap, CROUS...
- Assistance for non-EU students:
- On-line procedures for visas and residence permits
- Appointments for: chest x-rays and medical consultations with the (SSE)

Please check this link for details on this offer as well as contact details and office hours. There you'll also find a very useful amU international students handbook.

15.3 Accommodation

You'll find all the relevant information about the accommodation of international students here. Finding accommodation can be complicated for many international students, so we've put together a list of links on our website to help you find your accommodation! If you have not yet found accommodation before arriving in France, we strongly recommend that you book a

hotel room for the first week or more. The hotel reservation is also valid as proof of accommodation for your visa application.

You may also apply for a room in a CROUS residency. First of all, you need to create an account on the mes services étudiants website. Then, in mid-July, you can apply for a room on the CROUS website. External link / We would remind you, however, that international students can only obtain a room in a CROUS hall of residence from Master's level upwards. Please note that submitting an application does not guarantee you a room. There are different types of CROUS room depending on the city or residence, but all CROUS rooms have a bed, desk, wardrobe, refrigerator, shower, sink and toilet (some residences have shared toilets). The kitchen is shared. Electricity, water and Internet are included in the room rent.

15.4 Living expenses

Please find all the relevant information on the cost of living in France as well as useful guidance here. The welcome team has compiled a list of all the questions you might have about the cost of living in France. This also include guidance for opening a bank account.

15.5 Student health

AMU's Health Centre gives students access, by appointment, to medical consultations, whether for general medicine or gynecology, with no advance payment thanks to full third-party payment. Medical appointments can be made at two sites, one in Aix-en-Provence and one in Marseilles. You can find all the information about appointments in the International Student Handbook, pp. 27 and 29.

In order to benefit from coverage of your healthcare costs during your studies, as an international student you are required to register on the website of the Public Health Insurance (Assurance Maladie). This registration, which is free of charge and mandatory, enables you to benefit from reimbursement of your healthcare costs. <https://etudiant-etranger.ameli.fr/>

For optimal coverage of your healthcare expenses, you can take out a complementary insurance or mutual policy.

15.6 Special needs and disability support

AMU's Mission Handicap welcomes and supports students with physical, sensory or psychological disabilities, dyslexia or long-term disabling health conditions. There are Mission Handicap representatives on the different campuses.

15.7 Student job opportunities

AMU regularly publishes student job opportunities on its website. It is also a partner of Jobaviz, a job search platform. Here you can find listings of current job opportunities within AMU.

15.8 Student organisations

AMU counts numerous student associations and student organisations. If you are interested in joining an association or organisation, here you'll find listings of associations and organisations present on the different AMU campuses.

15.9 French language courses

AMU offers French as a foreign language (FLE) courses for foreign students at AMU. These courses run for 3 hours a week over 10-week sessions (total: 30 hours, except for exchange

students), during the two semesters of the academic year. There are different courses depending on your level of French. Rates vary between 300€ (reduced rate) and 375€ (standard rate). Here you will find information on enrolment, rates, dates, and locations.

16 The Master's thesis

The fourth semester of Study Track 5 is dedicated to the Master's thesis project, corresponding to 30 ECTS. For students in Study Track 5: Environmental Geoscience, the thesis may be registered at one of the three universities involved in the study track: Stockholm University (SU), the University of Glasgow (UofG), or Aix-Marseille University (AMU).

Students will be invited to indicate their preferred university for the thesis semester according to the procedure and deadlines communicated by the TRACEE programme. Students' preferences will be taken into account, but placement at a preferred university cannot be guaranteed. The final allocation of thesis university is made through the approved TRACEE procedure and may depend on factors such as available supervision, academic fit between the proposed thesis topic and the host university, capacity, budgetary or administrative constraints, mobility requirements, and fulfilment of academic progression requirements.

In addition to indicating a preferred thesis university, students must submit a proposal for a transdisciplinary thesis project. The thesis proposal must be approved according to the TRACEE thesis approval procedure before the student can proceed with the thesis project. The detailed procedure, deadlines, and responsible bodies will be communicated to students during the programme.

Registration, supervision, assessment, examination, and any local administrative requirements follow the regulations of the university where the thesis is registered. Students must therefore make sure that they follow both the common TRACEE thesis procedure and the local rules of the thesis university.

To be registered for the master's thesis project, students must have completed the common core course in semester 1, corresponding to 30 ECTS, and at least 30 ECTS from semesters 2 and/or 3 of the study track.

16.1 The Master's thesis at Stockholm University

Students at Stockholm University would register to the course: "Transdisciplinary Studies of Climate, Environment and Energy, Independent Project".

The independent project is 30 ECTS and aims to provide experience and advanced knowledge in scientific and transdisciplinary work within the fields of climate, environment, and/or energy. Key elements include planning, execution, and reporting. Additionally, students will practice literature review, writing a scientific report, and presenting research results orally in seminars.

The course is divided into two parts:

- Part 1: Planning (5 ECTS). Assessment is based on a written report
- Part 2: Implementation (25 ECTS). Assessment is based on an oral and written presentation of the independent project

More information is available in the syllabus of the course.

16.2 The Master's Project at University of Glasgow

Students at the University of Glasgow should register for the course: GES (Geographical and Earth Sciences) MSc Project. The Project is 60 UofG credits (30 ECTS)

The aims of the project are:

- To integrate knowledge gained during the programme by applying it to a substantial and intensive project;
- To give experience in preparing a project proposal, including pre-recorded oral presentation.

2026

- To allow students to pursue one particular topic to significantly more depth than possible during the taught part of the course;
- To encourage investigative study and the application of this to a particular task;
- To develop an awareness and experience of a range of quantitative and qualitative research methods and their applicability in different research settings, if appropriate to project
- To give experience in preparing a substantial report on an extended project.
- To give experience in preparing data and products for archiving

Projects may be of three basic types:

- a theoretical / research-oriented project in which a problem is investigated by experimentation or collection of primary data or analysis of a substantial secondary data set;
- an assessment project, in which the suitability or comparability of equipment, software or methodology to a defined task is investigated;
- an application-oriented project in which the client and/or end user's requirements are considered and satisfied by appropriate products.

Assessment:

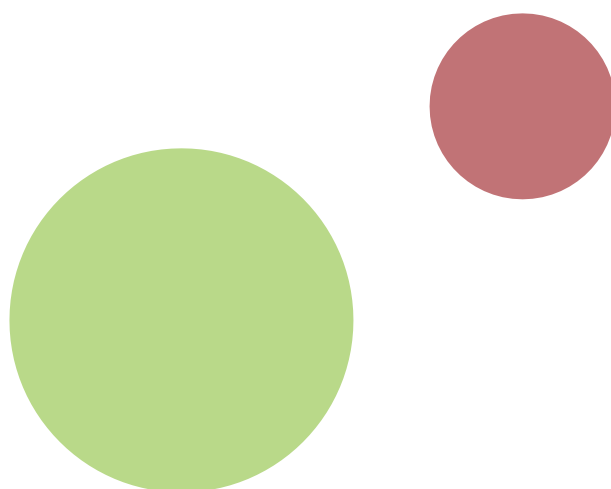
- Written project proposal 10%; pre-recorded oral proposal presentation 5%
- A major project report covering the aims and outcomes, background, methodology, outcomes and evaluation of the project - 80%.
- Collation of digital data associated with the project, including appropriate metadata - 5%.

16.3 The Master's Project at Aix-Marseille University (AMU)

At Aix-Marseille University, the Master's thesis consists of an independent project in which students develop and apply their knowledge and skills in the professional environment provided by an academic laboratory from Aix-Marseille University as well as non-academic partners.

Students complete a 5 to 6-month internship, accounting for 30 ECTS, leading to the writing of a Master's thesis and an oral defence. The internship is based on a project proposed by one of the research teams, and should bear a strong transdisciplinary perspective related to Earth sciences and climate, energy and/or environment. To do so, students will be supervised by one or more Faculty members. At the end of the internship, the oral defence will take place in front of a jury composed by the pedagogical team of the Master and volunteer researchers/lecturers from the laboratory. The final grade will be the combination of the thesis manuscript evaluation and the oral presentation, and will be provided on a 20-point grading scale. Finally, the graduation grade takes into account the average (credit-weighted) marks obtained in the examinations of the previous semesters, as well as of the thesis defence.

More information is available at <https://masters.osupytheas.fr/formations/master-stpe/>



Contact us

Do you have any questions?
Please do not hesitate to contact us!

Responsible office:

Department of Environmental Science,
Stockholm University

Email address: tracee@aces.su.se

Telephone number: +46 8 08-16 20 00

<https://www.su.se/english/education/course-catalogue/nc/nceeo>