

Faculty of Geo-Information Science and Earth Observation (Faculty ITC)

EDUCATION AND EXAMINATION REGULATIONS (EER) FOR BACHELOR'S PROGRAMME 2023-2024

TECHNOLOGY AND LIBERAL ARTS & SCIENCES (ATLAS)

The Dean of the Faculty,

In accordance with the Articles 9.5, 9.15 - paragraphs 1a, 7.13 – paragraph 1 and 2, 9.38 - b, 9.18 - paragraph 1a, and 7.59 – paragraph 4b of the Higher Education and Research Act (WHW), and following the approval by the Programme Committee, as well as the approval by, or advice of, the Faculty Council, in accordance with Articles, hereby authorizes the Education and Examination Regulations of the Bachelor's programme:

Technology and Liberal Arts & Sciences (ATLAS) CROHO 50427

The UCT-ATLAS 2023-2024 Education and Examination Regulations (EER) were proposed by the Programme Director on December 14 2022, discussed by members of the team in consultation with the Examination Board, approved by the UCT Programme Committee on June 10 2023 and the Faculty Council on July 12 2023, and officially adopted by the Faculty Board on September 11 2023.

Reference number of that decision is: FB23.3394/LV/mf.

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1. GENERAL PROVISIONS

1.1. APPLICABILITY OF THESE REGULATIONS

- 1.1.1. These Education and Examination Regulations apply to all students enrolled in the Bachelor's Programme Technology and Liberal Arts & Sciences.
- 1.1.2. The programme's Examination Board stipulates regulations for the execution of its tasks and powers in accordance with Article 7.12b of the WHW.
- 1.1.3. The statutory powers of the Examination Board of the degree programme apply to all those components that are part of the student's degree programme.
- 1.1.4. Requests for exceptions to what is recorded in these Education and Examination Regulations must be addressed to the Examination Board.

1.2. DEFINITIONS

Academic competencies	The multidimensional characteristics of a student – including knowledge, skills and attitudes– that factor into their academic success.
Academic year	The period that starts on 1 September and ends on 31 August of the following year.
Assessment meeting	The panel of assessors that convene to conduct the semester assessment. This panel includes a subset of the academic staff that play a role in the programme and is appointed by the Programme Director.
ATLAS	The Bachelor programme Technology and Liberal Arts & Sciences.
(Binding) recommendation on continuation of studies (Bindend studieadvies, BSA):	A recommendation on continuation of studies as referred to in Article 7.8b, paragraph 1 and 2 WHW involving expulsion from the programme in accordance with Article 7.8b, paragraph 3 WHW, issued by the programme director on behalf of the institutional administration.
Board of Admissions	Board, appointed by the Dean of UCT, responsible for the admissions procedure and admissions decisions.
Capita Selecta	Is a relatively short (3-6 ECTS), tailor-made, project, which can differ strongly per student, with a clear gradable product.
Colloquium doctum committee	Committee appointed by the Board of Admissions to assess the academic readiness of a prospective student
Personal Circumstances Committee (Commissie Persoonlijke Omstandigheden, CPO).	A committee convened by the institutional administration to advise the institutional administration in individual cases regarding the validity, duration, and severity of a specific student's extenuating personal circumstances.
CANVAS	University of Twente's digital learning environment.
Credit or EC	A unit of 28 study hours, in accordance with the European Credit Transfer System. A full-time academic year consists of 60 credits, equal to 1,680 hours of study (Article 7.4 WHW).
Dean of the Faculty	Head of the ITC Faculty.
Dean of UCT	Head of University College Twente.
Degree programme	Bachelor's degree programme as referred to in the programme-specific appendix to these education and examination regulations. The curriculum components: six semesters and the Personal Pursuits.
Elective	Educational course the students can choose themselves.
Evidence	The substantiation and proof of a student's learning process results.

Examiner	The individual appointed by the Examination Board to administer examinations and tests and to determine the results, in accordance with Article 7.12 paragraph c WHW.
Examination	An evaluation of the knowledge, understanding and skills of the student, as well as the assessment of the results of this evaluation (Article 7.10 of the WHW); these results can be expressed in summative or formative feedback.
Examination Board	The body that objectively and professionally assesses whether a student meets the conditions laid down in the education and examination regulations regarding the knowledge, understanding and skills required to obtain a degree (Article 7.12 WHW).
Exemption	The decision of the Examination Board that the student has knowledge and skills which are comparable in terms of content, scope and level with one or more study units or components of study units. An exemption is granted based on acquired competencies, i.e., previously passed examinations in higher education or in view of knowledge and skills attained outside higher education.
Faculty Board	Head of the faculty (Article 9.12, paragraph 2 WHW).
Final Examination	A degree programme is concluded with a final examination. If the study units in the degree programme have been completed successfully, then the final examination will be deemed to have been completed (Article 7.10 WHW).
FOBOS	Financiële ondersteuning bijzondere Omstandigheden Studenten. A regulation to support students in special circumstances financially
Formal Diploma	The certificate issued by an educational institution, such as college or university, that testifies that the recipient has successfully completed a particular course of study
Institution or UT	University of Twente.
ILO	Intended Learning Outcomes
Mid-Term Evaluation (MTE)	The MTE is performed at the midpoint of a semester and aims to assess student progress made towards achieving the planned semester goals. This provides an opportunity to make modifications to ensure the achievement of these goals.
OSIRIS	System designated by the institutional administration for registration and for providing information on all relevant data related to the students and the degree programme, as referred to in the WHW.
PDP	Personal Development Plan: A student's individual study plan for a semester detailing how and with what evidence the student plans to meet the semester goals.
Personal Pursuits	Study unit of ATLAS programme in which students pursue an area of personal interest in the form of an accredited course worth 6 ECs.
Practical Exercise	A practical exercise as referred to in Article 7.13, paragraph 2d WHW is a study unit or a study unit component emphasising an activity that the student engages in, as described in the programme-specific appendix.
Programme Committee	Committee referred to in Article 9.18 WHW. Their main task is to advise on guaranteeing and improving the quality of the educational programme.
Programme Director	The person appointed by the Faculty Board to administer the programme (Article 9.17 WHW).
Semester	ATLAS programme study units of 30 ECs described in detail in this EER.
Semester Coordinator	Person appointed by the Programme Director coordinating the activities and assessment in the semester to ensure the semester requirements and expectations are met.
Semester Goals	Statements of long-range intended outcomes which form part of the curriculum. They describe the knowledge, skills, and values expected of

	students on completion of each semester and should be consistent with the mission of the programme Intended Learning Outcomes (ILOs).
Semester Project	Central project in the semester, where students need social as well as technical perspectives to find effective solutions for a challenge.
Semester Syllabus	The semester syllabus describes the learning objectives, the learning process, contents, and deadlines of an ATLAS semester.
Semester Verdict	Outcome of the assessment of the student's attainment of the semester goals.
SER	Self-evaluation report: end-of-semester report wherein the student substantiates their learning with evidence and reflects on their progress.
SIS	Student Information System (Osiris): The system designated by the board of the institution for the registration of information relating to the relevant student and study data, as stipulated in the WHW
Student	Anyone enrolled in a programme in accordance with Article 7.34 and 7.37 WHW.
Study unit	A programme component as defined in Article 7.3, paragraph 2 and 3 WHW. Each study unit is concluded with an examination.
Study Adviser	Person appointed by the Faculty Board who acts as a liaison between the student and the university, and in this role represents the interests of the student as well as fulfilling an advisory role.
Study Load	The time an average student needs to learn the course material. The Study Load comprises elements such as project work, independent study, lectures and writing assignments. The Study Load is expressed in ECs according to the European Credit Transfer System.
Diploma Supplement	A statement of learning, a record of achievement that lists all the modules or subjects studied each year, together with the marks or grades achieved for each semester and the credits awarded.
Teaching Period	The period in which a study unit is offered. This period starts in the first week in which an educational activity takes place for the study unit concerned and ends in the final week in which an educational activity takes place and/or a test is administered for the study unit concerned. Resits are not part of the teaching period. This period may sometimes not be the same as a quartile (a quarter of an academic year).
Test	An evaluation of the student's knowledge, understanding and skills as well as an assessment of the outcomes of that evaluation. A test is part of an examination. If the examination for a study unit consists of a single test, then the result of that test will count as the result of the examination.
UCT	University College Twente, department of the UT, located within the faculty ITC that provides the Bachelor programme ATLAS and takes responsibility for its students and staff community.
WHW	The Higher Education and Research Act (abbreviated in Dutch to WHW), Bulletin of Acts and Decrees 1992, 593, and its subsequent amendments.
Working day	Any day from Monday to Friday except for official holidays and the fixed compulsory holidays ('brugdagen') on which the staff are free.

2. ADMISSIONS

2.1. BOARD OF ADMISSIONS

- 2.1.1. The Dean of UCT appoints a Board of Admissions responsible for the admissions procedure and decisions.
- 2.1.2. To be eligible for admission, a prospective student needs a VWO Diploma (N&G / N&T) or an equivalent and a strong background in mathematics and physics or chemistry.

2.2. ELIGIBILITY AND ADMISSIONS CRITERIA

- 2.2.1. The educational program uses admissions criteria:
 - 2.2.1.1. General requirements:
 - School results
 - Cognitive analytical skills
 - Type of schooling
 - 2.2.1.2. Incoming students, who are applicable, write a letter with their motivation based on their vision and expectations of ATLAS.
- 2.2.2. Admission requirements for high school:
 - Overall VWO level, profile N&G and N&T (or equivalent)
 - VWO Mathematics B with at least a 75% score
 - VWO Physics or Chemistry (or equivalent) with at least a 75% score
 - The final Cumulative Grade Point Average should be at least 75%
 - English levels:
 - IELTS overall score 7 or equivalent test and/or school results

2.3. ENGLISH LANGUAGE REQUIREMENT

- 2.3.1. Since English is the working language of the degree programme, non-native speakers are required to demonstrate proof of their English language proficiency through:
- 2.3.2. IELTS (International English Language Testing System) overall band score 7 or TOEFL (Test Of English as a Foreign Language) the minimum score is 80 or Cambridge EFL (English as a Foreign Language) Examinations with the certificates: Cambridge Certificate in Advanced English; Cambridge Certificate of Proficiency in English International Baccalaureate (IB) or European Baccalaureate (EB) Diploma recipients are exempt from this requirement.
- 2.3.3. Exemption from English Test: students who have been educated at least at secondary school level exclusively in an English-speaking country or in an English-speaking international secondary school.

2.4. ADMISSIONS PROCEDURE

- 2.4.1. Centralized admission office will only forward students, who:
 - 2.4.1.1. Have already graduated and meet the following admission requirements:
 - The English language requirement.
 - The subject requirements VWO Mathematics B and VWO Physics or Chemistry (highest level) are met.
 - The 75% score in both Mathematics and Physics/Chemistry is met.
 - The 75% CGPA score is met.
 - If not, the centralized admission office will reject these applicants.
 - If the student is eligible for an additional test in English, Physics or Mathematics, 75% must be obtained in the additional test(s). The centralized admission office will request this from the applicant.
 - 2.4.1.2. Have not yet graduated and are expected to meet the following admission requirements:

- The English language requirement.
 - The subject requirements VWO Mathematics B and VWO Physics or Chemistry (highest level) are met.
 - If not, the centralized admission office will ask for additional test(s) in the required subject(s).
 - If ATLAS admits them after the selection process, the centralized admission office will include the required 60% score in the conditional admission letter to the student.
- 2.4.2. After the centralized admission office has forwarded the applicable student, the selection procedure will take place via an interview. In the interview, based on the discussion on mutual expectations, staff can give verdict to the student whether he/she can enrol or not. After graduating from high school, the student finalises their enrolment by sending the necessary paperwork.
- 2.4.3. In addition to the requirements for high school students there are several other possibilities:
- 2.4.3.1. HBO students who have passed the propedeuse (first year):
- The central admission will send these applicants to the Board of Admissions.
 - The committee will decide per case.
- 2.4.3.2. Admission requirements with Navitas
- The central admission will send these applicants to the Board of admissions.
 - The committee will decide per case
- 2.4.4. A final admission decision is made by the Board of Admissions based on the outcome of 2.4.2 and 2.4.3.

2.5. COLLOQUIUM DOCTUM

- 2.5.1. The colloquium doctum examination as referred to in Art. 7.29 of the WHW has the form of an assessment by a colloquium doctum committee appointed by the Board of Admissions.
- 2.5.2. Purpose of the assessment is to assess the academic readiness of a prospective student, to determine if the student will be able to successfully participate in the degree programme.
- 2.5.3. The colloquium doctum committee applies the same procedure and assessment criteria as articulated in Art. 2.2, 2.3 and 2.4.

3. STRUCTURE OF THE PROGRAMME

3.1. AIM

The overarching goal of the ATLAS program is to educate engineers who can understand and create socio-technical systems with an interdisciplinary mindset with the goal of being able to mitigate specific socio-technical challenges. To this end, the ATLAS graduate:

- 3.1.1.1. Is competent in the Disciplinary Lenses from mathematics, natural science, and social science for Understanding
- 3.1.1.2. Is competent in the processes of creation
- 3.1.1.3. Is competent in communicating and collaborating
- 3.1.1.4. Has an academic approach and attitude
- 3.1.2. A detailed description of the Final Learning Outcomes of the degree programme, as referred to in Article 7.13, paragraph 2c of the WHW, is included in Appendix 1

3.2. STRUCTURE

Programme: 180 EC						
	Year 1		Year 2		Year 3	
	SE1	SE2	SE3	SE4	SE5	SE6
Semester Challenges/ Themes	Health	Sustainable Cities & Communities	Digital Societies	Engineering for a Resilient World	Away & Aware	Signature & Celebration
Quantitative Requirement <i>(Project, domain courses, electives and personal pursuit)</i>	27 EC	27 EC	27 EC	27 EC	27 EC	27 EC
	+ 6 EC		+ 6 EC		+ 6 EC	
	Total: 60 EC		Total: 60 EC		Total: 60 EC	
Qualitative Components	PDP MTE SER	PDP MTE SER	PDP MTE SER	PDP MTE SER	PDP MTE SER	PDP MTE SER

- 3.2.1. The programme consists of 180 credits. The degree programme is taught full-time.
- 3.2.2. The degree programme comprises two curriculum components:
- 3.2.2.1. Semesters with a minimum of 27 credits each;
- 3.2.2.2. Personal Pursuit of 3 credits per semester This; 6 credits per year
- 3.2.3. A semester comprises:
- 3.2.3.1. Educational activities culminating in a workload of at least 30 credits;
- 3.2.3.2. Semester learning objectives
- 3.2.3.3. The semesters 1, 2, 3 and 4 each include a semester theme for the semester project.
- 3.2.3.4. Semesters 5 and 6 might include Internships & Exchanges
- 3.2.3.5. Every semester, students are required to write a PDP, MTE, and SER
- 3.2.4. Capstone Project:
- 3.2.4.1. In semester 6 an individual final bachelor project (Capstone) of 15-20 credits that demonstrates the student's attainment of the final learning goals in the context of their academic profile;
- 3.2.4.2. A student can only start their capstone if they have successfully completed at least 120 credits.
- 3.2.5. Personal Pursuit:
- 3.2.5.1. Comprises six credits per academic year divided over two semesters.
- 3.2.5.2. A personal pursuit is a project designed by the student that will contribute to obtain the final learning objectives as a new engineer.
- 3.2.5.3. All students complete a Personal Pursuit in years 1 and 2. The Personal Pursuit in year 3 is optional. A student can substitute it with 6 ECs of electives that are included in the PDP of semester 5 and/or 6.
- 3.2.6. Electives:
The examination board decides on requests for permission to take an elective course. The examination board assesses whether an elective course is appropriate and consistent within the domain of the educational programme and whether the level is high enough considering the attainment targets of the programme. Once approved, electives can be approved by the semester coordinator.

3.3. EXEMPTION

- 3.3.1. The examination board may grant an exemption to students at their request for one or more examinations or tests. To this end, the student should demonstrate having sufficient knowledge and skills in relation to the examination concerned or the test in question.
- 3.3.2. Individual students can request an exemption before their enrolment in the semester. For the first semester this request must be made no later than week 5 of the semester.

4. LEARNING AND ASSESSMENT

4.1. GOALS OF LEARNING AND ASSESSMENT

- 4.1.1. Teaching and learning in the degree programme are student-driven and focused on the academic development of the student.
- 4.1.2. The assessment in the degree programme is designed to foster and stimulate learning to achieve understanding.

4.2. PERSONAL DEVELOPMENT PLAN – MID TERM EVALUATION and SER

- 4.2.1. At the start of each semester, the student writes a PDP in which they describe:
 - 4.2.1.1. Their intended academic development in the semester;
 - 4.2.1.2. The planned activities for the semester;
 - 4.2.1.3. How these activities allow each student to reach the semester and personal goals;
 - 4.2.1.4. The intended evidence for each goal.
- 4.2.2. The list of courses and educational activities the student has chosen to use to meet the semester requirements, as referred to in 4.2.3, needs to be included in the final approved PDP.
- 4.2.3. Halfway through the semester there is a Mid-Term Evaluation, an oral meeting in which the student evaluates (facts) and reflects (learning awareness) on their achievements according to their PDP. The student addresses the plan to reach the semester goals. In the meeting with the student the decision is made if they are *on track* or *not on track*.
- 4.2.4. After the Mid-Term Evaluation students can change their PDP and submit their final PDP as the definitive version of their personal curriculum registered in OSIRIS and to be put forward for assessment. The final PDP needs approval from the semester coordinator.
- 4.2.5. The deadline for the PDP after the MTE is announced in the ATLAS academic calendar. The deadline for the final PDP is 5 working days after the MTE. Changes to PDP after the deadline will not be recorded in OSIRIS.
- 4.2.6. At the end of the semester students write a personal Self-Evaluation Report (SER) in a student following system. Based on this SER the student prepares a presentation in which they evaluate on all achievements and a reflection on what these achievements meant for their personal development. In the assessment meeting the student will present the findings of the SER and the teachers will discuss the SER. The teachers will define their proposed verdict on all achievements and reflections of the student in this semester.
- 4.2.7. The chosen credit-bearing activities as described in the PDP will, following successful completion of the whole semester, an oral assessment and a verdict of the SER, appear on the student's Diploma supplement. Students must be registered in OSIRIS for each credit-bearing activity that is to appear on the Diploma supplement.
- 4.2.8. The PDP is submitted through an UCT-appointed system.

4.3. ASSESSMENT

- 4.3.1. The Self Evaluation Report (SER) is submitted through the appointed UCT online system.
- 4.3.2. Each semester is completed through an oral semester assessment, based on the personal written SER, to determine whether the student has achieved the semester goals.
- 4.3.3. The assessment process, deadlines and requirements are described in the semester syllabus.
- 4.3.4. To pass the semester and receive the verdict for the semester the student needs to:
 - 4.3.4.1. meet the quantitative semester requirements (as described in Article 3.2.3);
 - 4.3.4.2. meet the qualitative semester requirements (as described in, Article 4.2);
 - 4.3.4.3. Have a presentation based on their personal SER in which the student gives an overview of all quantitative results and a qualitative reflection on these achievements.

- 4.3.5. On meeting all the requirements for passing the semester, the units of study and corresponding credits are allocated to the semester to pass the semester.
- 4.3.6. All educational subjects within the semester, domain courses, projects, PP, and electives, will be graded and provided with feedback. Students will receive the grades within 10 working days after the test.
- 4.3.7. External units of study (non-ATLAS courses) assessed in a summative way, will be recorded on the student's Diploma supplement.

4.4. SEMESTER VERDICTS

The semester assessment cumulates in a verdict as explained in article 4.4.2.

- 4.4.1. The semester verdict is based on all achievements of that semester written in the SER. In the SER, the student evaluates their learning and provides evidence of achieving the semester goals as described in the approved PDP.
- 4.4.2. The possible verdicts are:
 - 4.4.2.1. Pass with Excellence: Overall performance largely exceeds qualitatively and quantitatively the academic performance of the student. as described in the semester syllabus;
 - 4.4.2.2. Pass: Overall performance is in line with the qualitative and quantitative objectives as described in the semester syllabus;
 - 4.4.2.3. Fail: The student has failed the semester. Overall performance is below the expectation as stipulated in the semester goals. In the first year, this has consequences for the student's BSA. For other years, the student needs to redo the entire semester the following academic year.
- 4.4.3. Procedure to conditional circumstances
 - 4.4.3.1. Pass with condition: The student has minor deficiencies in meeting all semester requirements. Fulfilment of a specified condition would bring the overall performance up to the stipulated expectations. The condition is clearly described on the verdict form and stipulates the requirements and deadlines for meeting the condition.
 - 4.4.3.2. Postponed verdict: A verdict is put on hold based on personal circumstances until all academic requirements needed for assessment are met. The postponement is clearly described and stipulates the requirements and deadlines for the meeting the semester goals. Personal circumstances are approved by the PD upon recommendation of the study advisor and semester coordinator.
- 4.4.4. If the student cannot submit the SER or submits the SER after the deadline, they will have a new opportunity to be assessed during the next academic year. For semester 1 and semester 2, the result of not submitting the SER will have consequences for meeting the BSA norm (See Art. 6.3).
- 4.4.5. The student is informed by the Educational Coordinator about the outcome of the assessment through Canvas within five working days of the meeting of the assessment committee, that takes place ten days after the last assessment.
- 4.4.6. A student has the right to appeal the results of the assessment and the justification for the verdict. Students can submit a request for further justification of the verdict within 10 working days after the verdict release to the semester coordinator. If a student is not satisfied with the results of this request, the student may appeal the verdict with the Board of Appeal for Examinations (CBE). This appeal needs to be made within six weeks after the official date of release of the verdict.
- 4.4.7. The rights of ownership of all results of tasks, assignments, and projects within the ATLAS programme, even for projects in an external organization, and for which the student has earned credits, resides with the faculty unless at the start of the project the organization and the Programme Director agree on different arrangements. Such additional arrangements will be documented in writing.

- 4.4.8. Results of projects and assignments are in the public domain even for projects in an external organization, unless at the start of the project the organization and the Programme Director agrees on different arrangements. Such additional arrangements will be documented in writing.
- 4.4.9. Teaching evaluation: The programme director is responsible for monitoring and evaluating the quality of the educational programme.

4.5. RIGHT OF JUSTIFICATION AND INSPECTION

- 4.5.1. For all units of study executed within the degree programme, the students are entitled to a justification of the results of a test from the examiner, whereby the examiner substantiates the assessment that was given.
- 4.5.2. If no collective discussion of the results is held, students may submit a request for an individual discussion of the results to the examiner within ten working days of the publication of the test results.
- 4.5.3. Such a discussion must take place at the latest three weeks after the publication of the test results, in the presence of the examiner or an authorized replacement.
- 4.5.4. Students have the right to inspect their work for a period of two years after the assessment.

4.6. RETENTION PERIOD FOR SEMESTER ASSESSMENT

- 4.6.1. The assessed work that is part of the evidence collected for the semester assessment will be retained for a period of two years.
- 4.6.2. The retention period for semester 6 Capstone projects is five years.

4.7. FRAUD AND PLAGIARISM

The [institutional part of the student charter](#) includes a definition of what the UT considers as fraud^[1]. The Examination Board sets out rules for handling cases of fraud in the <https://www.itc.nl/education/studying-at-itc/study-details/regulations/#academic-year-2022-2023>

- 4.7.1. Article 3.5: Measures in academic misconduct cases (HERA, Article 7.12b(2))
 1. The Executive Board of the university has specified academic misconduct in the Student Charter (pp. 22-23). In addition, knowingly provide an opportunity for other students to commit academic misconduct may be deemed to constitute academic misconduct.
 2. If academic misconduct is suspected, the examiner will inform the student that this will be reported to the Examination Board. The report by the examiner will suspend the assessment until the Examination Board determines whether or not academic misconduct has occurred.
 3. If fraud or plagiarism is detected in a group assignment, all members of the group will be held accountable. Every member of the group is required to show evidence that proves their innocence.
 4. After having given the student and teacher an opportunity to be heard, the Examination Board will determine whether academic misconduct has occurred and what measures will be taken, and will inform the student and teacher of this in writing.
 4. If academic misconduct is found to have occurred, the Examination Board can, depending on the seriousness of the fraud, give an oral or written reprimand, declare the examination invalid, and deprive the student of the right to take one or more examinations to be specified by the Examination Board, for a period to be set by the Examination Board (at most one year).

^[1] See <https://www.utwente.nl/en/ces/sacc/regulations/charter/> & <https://www.utwente.nl/en/examination-board/Fraud/>

5. In cases of serious academic misconduct (as referred to in HERA, Article 7.12b(2)), the Executive Board may, on the Examination Board's recommendation, definitively terminate the enrolment of the student concerned in the degree programme. The Examination Board will in principle make such a proposal to the Executive Board where there is a case of repeated academic misconduct.

6. A student can request the Examination Board to reconsider a decision regarding a sanction for fraud. This request should include a thorough motivation and should be submitted within six weeks after the decision came to the knowledge of the student.

5. GRADUATION

5.1. THE BACHELOR'S EXAMINATION

- 5.1.1. In accordance with WHW Article 7.10, the bachelor's examination is successfully completed if the assessment of all curriculum components of the bachelor's programme (see art. 3.2.1) have been successfully completed.
- 5.1.2. In evidence of the fact that the examination has been completed successfully, the Examination Board awards a degree, after the institutional administration has declared that the procedural requirements for delivery have been met. The Examination Board adds a supplement to a Diploma.
- 5.1.3. The date recorded on the Diploma, i.e., the examination date, is the date on which the student successfully completed the final remaining study unit.
- 5.1.4. A student may submit a substantiated written request to the Examination Board to postpone declaring the bachelor's examination as 'successfully completed' and thus delay the awarding of the degree. The student must indicate at least the duration of the postponement requested.
- 5.1.5. The details of the provision in Article 5.1.4 will be included in the Rules and Regulations of the Examination Board.
- 5.1.6. If the student has requested postponement based on Article 5.1.4, the examination date will be the date following postponement on which the Examination Board has decided to declare the student to have successfully completed the examination.

5.2. DEGREE AND DIPLOMA

- 5.2.1. A student who has passed the bachelor's examination is awarded a Bachelor of Science (BSc) degree
- 5.2.2. As proof of having successfully completed the bachelor's examination, the student will receive a Diploma from the Examination Board, signed by the chair or when the chair is not present, another member of the Examination Board.
- 5.2.3. The Diploma states the name and date of birth of the student, 'Bachelor Technology and Liberal Arts & Sciences', the graduation date, the degree of 'Bachelor of Science' and the most recent accreditation date of the programme. The Diploma supplement adds the word honours programme to the name of the study programme. It comprises an explanation of the content and set up of the programme. If the student completed an additional Honours programme of the UT, this will be indicated on the Diploma supplement.
- 5.2.4. The Examination Board will invite students to accept the ATLAS bachelor's Diploma and Diploma supplement of results by signing the diploma.
- 5.2.5.** The bachelor's graduation assessment can be taken with the designation "cum laude", "magna cum laude", or "summa cum laude". The guidelines for awarding this designation are that the following conditions must be fulfilled:
 - 5.2.5.1. The Bachelor 's examination is achieved during the 3rd year of registration; taken into account the approved period for student activism such as being a member of the board.
 - 5.2.5.2. Semester 6 is passed with excellence (PX);
 - 5.2.5.3. The achievements of the student are:

- 5.2.5.3.1. For cum laude: At least four out of all six semesters or at least three of the last four semesters 3-6 are passed with excellence (PX);
- 5.2.5.3.2. For magna cum laude: at least five semesters are passed with excellence (PX);
- 5.2.5.3.3. For summa cum laude: all six semesters are passed with excellence (PX).

6. STUDENT GUIDANCE AND COUNSELLING AND THE BINDING RECOMMENDATION ON CONTINUATION OF STUDIES (BSA)

6.1. STUDY PROGRESS OVERVIEW

- 6.1.1. The student can request a certified study progress overview from the Student Services Desk if required.

6.2. STUDENT GUIDANCE

- 6.2.1. The Programme Director is responsible for student guidance. There is one Study Advisor for all students.
- 6.2.2. Student support and guidance includes 'decentralized' guidance, as provided within study programmes, and 'central' guidance, as provided by the Centre for Educational Support.
- 6.2.3. Student guidance includes guidance with questions or problems with regard to career orientation and career choices and guidance with problems that affect study progress. Students are offered personal and professional student (career) guidance for optimal study progress. Where possible, needs for specific guidance are met.
- 6.2.4. The Study Advisor supervises students and advises them on all aspects of the studies, also on personal circumstances that may be affecting the student's studies.
- 6.2.5. The opportunity for an initial interview will be offered to each student before 1 November of the first year of enrolment in the programme, in which student and Study Advisor get acquainted. personal circumstances can be shared.
- 6.2.6. A systematic method on how students are monitored and constraints to study progress are documented by the programme (for example in a policy plan or an annual cycle).
- 6.2.7. If students wish to exercise their right to specific counselling or special facilities, they are required to contact the Study Adviser. The Study Adviser will record any agreements made with the student. The Study Advisor can represent the student on their request in decision-making regarding student progress.
- 6.2.8. The following applies to the entitlement to special facilities:
 - 6.2.8.1. Demonstrable circumstances beyond the student's reasonable control or extenuating personal circumstances;
 - 6.2.8.2. If necessary and wherever possible, dispensation for participation in exams or tests and/or the availability of special facilities with regard to examination. Only the Examination Board can grant such dispensation and additional testing opportunities.

6.3. BINDING RECOMMENDATION FOR THE CONTINUATION OF STUDIES (BSA)

- 6.3.1. Students will receive a first preliminary recommendation on continuation of studies by calendar week 52 at the latest of their first year of enrolment in the programme and a second recommendation on continuation of studies by calendar week 10 at the latest; Students will receive a third preliminary recommendation on the continuation of studies in the week after the student has received feedback on their development halfway through the second semester of their first year of enrolment in the programme (after the MTE). This preliminary recommendation is not binding. These recommendations can be positive, negative or neutral and are not binding. Students with a postponed recommendation on continuation of studies have regular contact with the Study Advisor over their study progress.
- 6.3.2. A negative preliminary recommendation on continuation of studies is considered as a warning (Article 6.2, paragraph 4). Each student receives a written final recommendation for the

continuation of studies at the end of the first year of enrolment in the programme. That recommendation is based on the student's results. The student will be required to leave the programme.

- 6.3.3. Students who receive a negative preliminary recommendation on the continuation of studies as referred to in article 6.3.3 will be invited for a meeting with the Study Adviser and Programme Director to discuss their study progress and review their choice of degree programme, within four weeks of receiving the preliminary recommendation.
- 6.3.4. The institutional administration mandates that the Programme Director must issue recommendations on the continuation of studies, as referred to in Art. 6.3.1.
- 6.3.5. The final recommendation on the continuation of studies, as referred to in Article 6.3.1, may involve expulsion from the programme if the student has completed fewer than two semesters (54 EC) in the first year of the programme. Results of exams and of tests that remain valid beyond the current academic year are considered to establish how much a student has completed.
- 6.3.6. Expulsion remains in force for a period of three academic years. A final recommendation on the continuation of studies that involves expulsion is referred to as a binding recommendation on continuation of studies (BSA). If after this period, the student wishes to re-enrol in the degree programme, the student must submit a new admissions procedure.
- 6.3.7. Only the credits from semesters in the first year of the programme count toward the threshold for the final recommendation on the continuation of studies. If a student requests to transfer credits to the first year from courses taken in a different programme or at a different institution, the student must write a request for exemption to the Examination Board.
- 6.3.8. If a student terminates enrolment in the programme before 1 February of the first year of enrolment, no final recommendation on the continuation of studies will be issued as referred to in Article 6.3.1. If this student re-enrols in a subsequent academic year, then a final recommendation on the continuation of studies will be issued at the end of that subsequent academic year. The following are regarded as termination of enrolment:
- 6.3.9. Before receiving a final decision on the BSA, students receive a warning of the intended final recommendation. Students have the right to a hearing with the Programme Director before the final decision (WHW Art. 7.8b, paragraph 4).
- 6.3.10. When considering a BSA involving expulsion, at the student's request, the Programme Director will take the student's personal circumstances into account. The Programme Director will only take personal circumstances into account of students who have followed the official UT procedure: 1. Report the circumstances to the Study Adviser as soon as possible. 2. have a meeting with one of the UT Student Counsellors and 3. the personal circumstances have been approved by the Committee for Personal Circumstances (CPO).
- 6.3.11. The Programme Director's decision regarding the BSA will stipulate the applicable appeals procedure.

6.4. DISCONTINUATION OF THE PROGRAMME

- 6.4.1. The programme is considered to be discontinued if the student stops taking courses or any form of tests for the programme, and where the students:
 - 6.4.1.1. submits a request to the University of Twente to terminate the enrolment, or
 - 6.4.1.2. submits a request to terminate the enrolment for one programme at the University of Twente and enrolls in another programme at the University of Twente, thus switching to another programme at the University of Twente, or
 - 6.4.1.3. continues the studies at another institute of higher education with a proof of tuition fees paid (bewijs betaald collegegeld, BBC).
- 6.4.2. A recommendation on continuation of studies will not be issued if the request to terminate enrolment is received through Studielink by 31 January in the first year of enrolment for the degree programme and the student does not re-enrol for the same programme in that same academic year. If the student re-enrols in the same bachelor's programme in a following academic year, this enrolment is designated as the first-year enrolment.

- 6.4.3. Students who de-enrol after 1 February for a degree programme at the University of Twente will receive a recommendation on continuation of studies, as referred to in Article 6.4.1 paragraph 1, from the programme they discontinued

7. STUDYING WITH A FUNCTIONAL IMPAIRMENT

7.1. ART 7.1: STUDYING WITH A FUNCTIONAL IMPAIRMENT

- 7.1.1. A functional impairment is defined as having an illness, condition, impairment that might impede or otherwise constitute a barrier to the student's academic progress.
- 7.1.2. Facilities are to be aimed at removing individual barriers in the teaching programme and/or regarding taking examinations and tests. These facilities may be related to access to infrastructure (buildings, classrooms and teaching facilities) and study materials, adjustments to the form of assessment, alternative learning pathways or a customised study plan. A functional impairment is a physical, sensory or other functional disorder that might reasonably be expected to limit the student's academic progress.
- 7.1.3. The Study Adviser and the student will discuss the most effective facilities for the student as referred to in Article 2 of the Equal Treatment of Disabled and Chronically Ill People Act (WGB h/cz).

7.2. Art 7.2: REQUEST FOR FACILITIES

- 7.2.1. Based on the discussion referred to in paragraph 7.1.2, the student is to submit a request for facilities. This request should be submitted to the Study Adviser, who has been mandated by the Faculty Board, before the student is to participate in classes, exams and tests for which the facilities are required.
- 7.2.2. The request should be supported by documents that are needed to enable an assessment to be made, (such as a letter from a doctor or psychologist registered in the BIG register, or in the case of dyslexia from a healthcare psychologist or special educational needs expert, also registered in the BIG register).
- 7.2.3. The Study Adviser will decide on the admissibility of the request and will inform the student of the decision within twenty working days after receipt of the request, or sooner if the urgency of the request dictates.
- 7.2.3.1. Should the request be granted, the period of validity will also be indicated.
- 7.2.3.2. If the request is not granted, or only partly granted, the Study Adviser will inform the student of the justification for not granting the request as well as the possibilities for filing an objection and an appeal with the Objections Appeals and Complaints Office via the Students Services Desk.
- 7.2.3.3. Students who are dyslexic, will be granted a maximum of 15 extra minutes for each hour that a test or exam is officially scheduled.
- 7.2.4. The Study Adviser shall inform the relevant parties in good time about the facilities that have been granted to a student with a functional impairment.
- 7.2.5. Should the faculty Dean reject the request in full or in part, the faculty Dean has to inform the student of the justification for the rejection and the opportunities for lodging an objection and an appeal. A written objection must be submitted in writing within six weeks of the decision having been communicated to the student. Any objection is to be submitted to the Objections, Appeals and Complaints Office via the Student Services desk. Should extra facilities be granted then the period of validity will also be indicated.
- 7.2.6. The applicant and the Study Adviser will evaluate the facilities before the end of the period for which they have been granted. During this evaluation, the parties discuss the effectiveness of the facilities provided and whether they should be continued. No evaluation takes place of facilities granted to students because of the functional impairment dyslexia.

8. PARAGRAPH 8: AMENDMENTS, APPEALS AND OBJECTIONS

8.1. ART 8.1: CONFLICTS BETWEEN THE REGULATIONS

- 8.1.1. If other additional regulations and/or provisions pertaining to education and/or examinations conflict with these education and examination regulations, the provisions in these education and examination regulations will prevail.

8.2. ART 8.2: ADMINISTRATIVE ERRORS

- 8.2.1. If, following the publication of a result, a marks sheet, or a student's progress report a manifest error is discovered, the discoverer, be it the university or the student, is required to make this known to the other party immediately upon finding the error and to cooperate in rectifying the error.

8.3. ART 8.3: AMENDMENTS TO THE REGULATIONS

- 8.3.1. Substantive amendments to these Regulations are enacted by the faculty board in a separate decision.
- 8.3.2. In principle, substantive amendments to these Regulations do not apply to the current academic year. Amendments to these Regulations may apply to the current academic year if the interests of the students are not prejudiced within reasonable bounds, or in situations of force majeure.
- 8.3.3. Amendments to these Regulations have no effect on earlier decisions by the examination board.

8.4. ART 8.4: REVIEW OF THE EER

- 8.4.1. The faculty board is responsible for the regular assessment of the education and examination regulations, with specific emphasis on the study workload.
- 8.4.2. Based on Article 9.18 WHW, the programme committee has a partial right of consent of and a partial right to be consulted on parts of the education and examination regulations.
- 8.4.3. The programme committee is responsible for the annual assessment of the manner in which the education and examination regulations are implemented.

8.5. ART 8.5: COMPLAINTS

- 8.5.1. Student complaints are first dealt with by the Semester Coordinator.
- 8.5.2. The Semester Coordinator can be contacted to address the following types of complaints:
- 8.5.2.1. Disagreement with the format or procedure of tests or exams;
 - 8.5.2.2. Not receiving the expected quality of supervision and feedback;
 - 8.5.2.3. Other matters felt to hinder study or progress.
- 8.5.3. If the student is not satisfied with the decision of the Semester Coordinator, the student has a right to complain to the Examination Board if the disagreement is related to the format or procedure of a test, or to the Programme Director for all other matters.
- 8.5.4. In the case of a complaint to the Programme Director, the Programme Director can request all relevant materials and correspondence and may hear all parties involved before a final decision is taken and communicated in writing to the student. If the complaint is upheld, the Programme Director will propose remedial actions. If a student's complaint is rejected, the reason is given.
- 8.5.5. The Semester Coordinator and Programme Director should deal with the complaint within 10 working days of receipt of the complaint.
- 8.5.6. Complaints must be made in writing. The Semester Coordinator or Programme Director must respond in writing.
- 8.5.7. A complaint will only be accepted if the complaint has been received before the official end of the programme or course.

- 8.5.8. Regulations about complaints with the Examination Board are published in the Rules and Regulations of the Examination Board.

8.6. ART 8.6: APPEALS AND OBJECTIONS

- 8.6.1. A request for justification to a decision made by the Examination Board or an examiner, and objections to decisions made by the Dean of the Faculty based on these Regulations, must be submitted in writing to the Objections, Appeals and Complaints Office via the Student Services desk within six weeks of notification of the initial decision.

8.7. ART 8.8: HARDSHIP CLAUSE

- 8.7.1. In cases of demonstrable unreasonableness and unfairness of a predominant nature, the examination board may allow the provisions in these Regulations to be deviated from. This depends on which body is authorised or has the duty according to these Regulations to take a decision on or make an exception to a provision in these Regulations.

8.8. ART 8.9: PUBLICATION

- 8.8.1. The Education and Examination Regulations and the Rules and Regulations of the Examination Board are published on the website of the ATLAS programme.

8.9. ART 8.10: COMMENCEMENT

- 8.9.1. These Regulations enter into force on 1 September 2023 and replace the Regulations dated 1 September 2022. Adopted on xx July 2023 by the faculty board, having regard to Article 9.5, 9.15 paragraph 1a, 7.13 paragraph 1 and 2, 9.38b, 9.18 paragraph 1a and 7.59 WHW, and after approval by the faculty council.

9. APPENDICES

APPENDIX 1. FINAL LEARNING OUTCOMES

The overarching goal of the ATLAS program is to educate engineers who can understand and create socio-technical systems with an interdisciplinary mindset with the goal of being able to mitigate specific socio-technical challenges. To this end, the ATLAS graduate

Is competent in the Disciplinary Lenses from mathematics, natural science, and social science for Understanding

1. Understands the knowledge base and the concepts, laws, principles, and models in mathematics, natural science, and social science.
2. Has the knowledge of how theories and models emerge and evolve and how they can be used to understand phenomena in relevant fields.

Is competent in the Processes of Creation

1. Is able to create solutions for socio-technical challenges based on systematic approaches involving research, design and development
2. Is able to apply, justify, and integrate theories and models from the natural sciences, social sciences, and mathematics and use them adequately in creating solutions for sociotechnical challenges.

Is competent in Communication and Collaboration

1. Is able to professionally, responsibly, and respectfully collaborate with peers and other professionals with different social and academic backgrounds and in different settings to attain specific goals and objectives.
2. Is able to appropriately communicate information, insights, standpoints, and new knowledge in various ways to different types of audience.
3. Is able to engage in both academic and non-academic discussions on information, insights, standpoints, and new knowledge with various group and individuals in socially and culturally sensitive manner.

Has an Academic Approach and Attitude

1. Has the self-awareness to make well-informed decisions concerning their academic and personal growth by identifying appropriate strategies to continuously develop their competences and skills, and to evaluate and reflect on their learning processes and gains.
2. Acts in a socially responsible manner and is able to reflect on the societal and ethical implications of research, design, and development.
3. Is inquisitive and can ask relevant and critical questions and find answers to those questions in an academically sound manner.