

Study Plan for the anglophone Bachelor program
“Sustainable Business and Technology”
of the faculties for
Environmental Business / Environmental Law and
Environmental Planning / Environmental Technology
at the Trier University of Applied Sciences,
Umwelt-Campus Birkenfeld
enacted 14.06.2023

The university faculty councils of the faculties for Environmental Business / Environmental Law and Environmental Planning / Environmental Technology of the Trier University of Applied Sciences enacted the following study plan for the anglophone Bachelor program “Sustainable Business and Technology” on 13.07.2022 (Examination Regulation 14.06.2023, publicus 2023-04, 19.06.2023, S. 31 ff.). The president of the Trier University of Applied Sciences approved this study plan on 12.07.2023.

1. Scope of Application

This study plan applies to the anglophone Bachelor program “Sustainable Business and Technology” and provides information about the goals, the content and the structure of this course of studies. Furthermore, it provides information about special offers during the introductory phase of studies. It also recommends in which cases students should contact the specific advisory service for further information.

2. Qualification Goals

The students learn basic knowledge of natural and engineering sciences, focused on the application area of environmental engineering and sustainable technologies, as well as basics of sustainable management under the aspects of climate change, resource scarcity and demographic developments. They can apply and deepen the fundamentals they have learned against the background of the interdisciplinary orientation of the degree program in projects and elective modules.

The students are able to research, interpret and scrutinize scientific texts. Based on this, they can specify own scientific tasks. They can present their results in a structured way and to defend them in front of a specialist audience.

In addition to teaching basic subject and methodological skills, working in small groups primarily promotes social skills. Furthermore, students acquire extensive knowledge in intercultural competence through the corresponding modules and contact with international fellow students. Students gain the ability to interact in German (or German students in another foreign language) at the level they have acquired. Knowledge of the German language also makes a significant contribution to graduates' ability to integrate in Germany, especially in medium-sized companies.

After graduation, they will be able to assess the impact of business activities and technical products and processes on the environment, especially in the economic and ecological, as well as the social dimension, and thus bring about sustainable action.

Graduates have the ability to apply the acquired knowledge in their profession, to independently identify, analyze and solve problems using scientific procedures. They are able to organize themselves and show teamwork skills in interdisciplinary cooperation. They can take on tasks in nationally or internationally active companies and organizations. The interdisciplinary interface between engineering and economics anchored in the degree program results in a wide range of employment opportunities and career prospects, particularly in technology-oriented companies in both technical and economic functional areas.

Graduates have recognized the necessity of lifelong learning and have acquired the skills to do so. In addition, successful completion of the program qualifies graduates for admission to master's degree programs at universities in Germany and abroad, provided they meet the admission requirements.

3. Commencement of Studies

Courses always start in the winter semester.

4. Content and Structure of this Course of Studies

The given assignment of the courses to each semester is a suggestion for a reasonable sequence of courses. All modules are completed by a test or a graded assignment. Independent preparation and study of the course materials are required and encouraged. Details can be found in the Module Descriptions. Where there are compulsory selective modules, a current Module Description will be published on the homepage of the course of studies.

The final examination can be taken within the designated period of study of 6 semesters.

The course of studies is credited altogether with total of a 180 credit points. Upon successful completion of studies the degree "Bachelor of Engineering [B.Eng.]" is granted.

The following table shows the study plan. Only the study plan published in the Examination Regulation is legally binding.

Start at winter semester
SWS
ECTS
**Module
Weight**

1st Semester	M 1	Mathematics I	4	5	5
	M 2	Physics	4	5	5
	M 3	Fundamentals of Sustainable Business	8	10	10
	M 4	Intercultural Communication	4	5	5
	M 5	German / Foreign Language I	4	5	5
	Total			24	30
2nd Semester	M 6	Mathematics II	4	5	5
	M 7	Chemistry and Ecology	4	5	5
	M 8	Thermodynamics	4	5	5
	M 9	Principles of Engineering I	4	5	5
	M10	Accounting	4	5	5
	M11	German / Foreign Language II	4	5	5
Total			24	30	30
3rd Semester	M12	Principles of Engineering II	4	5	5
	M13	Information Technology	4	5	5
	M14	International Law and International Economic Policy	4	5	5
	M15	Scientific Methods and Concepts	4	5	5
	M16	Corporate Finance	4	5	5
	M17	German / Foreign Language III	4	5	5
Total			24	30	30
4th Semester	M18	Sustainable Waste and Waste Water Treatment Technologies	4	5	5
	M19	Sustainable Energy Systems	4	5	5
	M20	Lab Work	4	5	5
	M21	Manufacturing Technology	4	5	5
	M22	Cleaner Production and Operations Management	4	5	5
	M23	German / Foreign Language IV	4	5	5
Total			24	30	30
5th Semester	M24	Ethics and Society	4	5	5
	M25	Elective*1	4	5	5
	M26	Elective*1	4	5	5
	M27	Interdisciplinary Project*2	8	10	10
	M28	German / Foreign Language V	4	5	5
Total			24	30	30
6th Semester	M29	Elective*1	4	5	5
	M30	Elective*1	4	5	5
	M31	Career Planning and Employability	4	5	5
	M32	Thesis and Colloquium		15	15
		Thesis	-	12	12
		Colloquium		3	3
Total			12	30	30
Total			132	180	180

Further information and notes on the curriculum

*1 In the fifth and sixth semesters, students in the English-language bachelor's degree program "Sustainable Business and Technology" have the opportunity to set study foci in order to enable individual profile formation and orientation towards a later field of activity.

A total of four electives (modules 25, 26, 29 and 30) with a total of 20 ECTS must be selected according to the module handbook. These are usually provided in the form of 5 ECTS modules each and are to be selected from the catalog of compulsory elective modules for the degree program regulated in these regulations. The catalog of compulsory elective modules is determined and published by the head of the study program. This may be updated on a semester-by-semester basis.

In addition, students have the possibility, after consultation with the head of the study program, to take 5 ECTS modules from the bachelor's degree programs offered at the Environmental Campus Birkenfeld.

More details can be found in the respective module handbook.

*² The module is usually carried out in the form of two projects, each comprising 5 ECTS. It is also possible to combine this module into one large project with a scope of 10 ECTS.

Curriculum Sustainable Business and Technology in the Bachelor double degree program according to the cooperative agreement with Foshan University

Start at winter semester

SWS

ECTS

Module
Weight

Before starting the program at the Environmental Campus Birkenfeld of the Trier University of Applied Sciences, the achievements according to the requirements of the cooperation agreement must be completed.

Upon beginning their studies at the Environmental Campus Birkenfeld of Trier University, students of the cooperation program will be enrolled in the fifth semester of the English-language bachelor's degree program "Sustainable Business and Technology". Instead of the achievements of the fifth and sixth semester of Annex 1 of the FachPO (examinations regulations), they must complete the following achievements of Annex 3 of the FachPO. *1

5 th Semester	M 3	Fundamentals of Sustainable Business	4	5	5
	M 4	Intercultural Communication	4	5	5
	M 14	International Law and International Economic Policy	4	5	5
	M 24	Ethics and Society	4	5	5
	M 27	Interdisciplinary Project	4	5	5
	M 28	German / Foreign Language V	4	5	5
Total			24	30	30

6 th Semester	M 29	Elective*2	4	5	5
	M 30	Elective*2	4	5	5
		Regionales Stoffstrommanagement und Regional Practice (M 12 from the bachelor program Nonprofit und NGO-Management)	4	5	5
	M 32	Thesis and Colloquium		15	15
		Thesis	-	12	12
	Colloquium		3	3	
Total			12	30	30
Total			36	60	60

Further information and explanation of the curriculum

*1 The achievements of the first to sixth semesters at Foshan University of Science and Technology will be certified by the cooperation partner after successful completion of the bachelor double degree program in accordance with the regulations of the respective current cooperation agreement. The grades are reported according to the grading system valid at the cooperation partner. The grades are reported according to the grading system valid at the cooperation partner. At the Environmental Campus Birkenfeld of the Trier University of Applied Sciences, the modules listed here must be completed to the extent of 45 ECTS as well as the Bachelor's thesis and the colloquium to the extent of 15 ECTS.

These achievements are certified by Trier University of Applied Sciences - Environmental Campus Birkenfeld in accordance with the regulations of the respective current examination regulations in conjunction with the regulations of the respective current cooperation agreement. The grades are shown according to the grading system valid here.

In addition, the regulations of the respective current cooperation agreement are binding and must be observed.

*2 In the sixth semester, the students of the cooperation program have the possibility to set study foci in order to enable an individual profile formation and the orientation towards a late-residential field of activity.

A total of two electives (modules 29 and 30) with a total of 10 ECTS must be selected according to the module handbook. As a rule, these are provided in the form of 5 ECTS modules each and are to be selected from the cat-

atalog of compulsory elective modules for the degree program regulated in these regulations. The catalog of compulsory elective modules is determined and published by the head of the study program. It can be updated every semester.

In addition, students have the possibility, after consultation with the head of the study program, to take 5 ECTS modules from the bachelor's degree programs offered at the Environmental Campus Birkenfeld.

More details can be found in the respective module handbook.

5. Areas of Specialization

This course of studies has no formal areas of specialization. Nevertheless, students are able to deepen their studies in the preferred topics in the limits of the four elective subjects.

6. Elective Subjects

Modules 25, 26, 30 and 31 are to be selected from the elective module catalog for the degree program regulated by these regulations. The catalog of compulsory elective modules is determined and published by the head of the study program. This may be updated on a semester-by-semester basis. You can find the latest overviews of the elective courses on the website "[Info for the current semester](#)". Details are regulated in the applicable module handbook.

7. Practical Phase

There is no obligatory practical phase during this course of study. Students have the possibility to complete an internship or to do a semester abroad.

8. Orientation Phase

The faculties of Environmental Business / Environmental Law and Environmental Planning / Environmental Technology support the students in the introductory phase in particular with a Buddy Program and the orientation week "Flying Days". There are numerous information and orientation courses as well as athletic, sportive and cultural workshops, which provide the opportunity to get to know fellow students.

Tutorials for specific courses are also available.

9. Study Guidance

Study guidance is advised in the following cases:

- After the first year of studies: if there are significantly less credit points (ECTS) reached than defined in the study schedule
- After failing a test or examination twice
- When considering to drop out or to change the course of study

Guidance is provided by the management of the study course.

General study guidance:

In administrative questions concerning the procedural aspects of the study course as the following, guidance is provided by the relevant institutions (examination office, registrar's office):

- Application/registration
- Registration for exams/examination administration
- Handing in attestations
- Change of study course/leave of absence
- Study account
- Issuing of the certificate
- Removal from the register of students

Information about opening hours, contact details and contact persons for the specific study courses can be found on the homepage.

10. Legal Validity

The legal validity of this study plan starts on the date of its publication.

Birkenfeld, 14.06.2023

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