



Umwelt-Campus  
Birkenfeld

H O C H  
S C H U L E  
T R I E R

**Curriculum 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 11.04.2017**

Based on § 20 and § 86 II Nr. 1 Hochschulgesetz of 19 November 2010 (GVBl. p. 464) last amended by the Act of 22.12.2015 (GVBl. p. 505) 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 curriculum for the anglophone Bachelor program “Sustainable Business and Technology” on 14.12.2016 (Examination Regulation 14.02.2017). The president of the Trier University of Applied Sciences approved this curriculum on 11.04.2017.

## **1. Scope of Application**

This curriculum applies to the anglophone Bachelor program “Sustainable Business and Technology” (Examination Regulation 14.02.2017) 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**

Students acquire essential knowledge in natural and engineering sciences, focused on environmental and sustainable technology. They also learn about the foundation of Sustainable Management under the aspects of climatic change and the shortage of resources.

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

In addition to these basic methodological and professional expertise, social expertise is acquired by working in small groups. In special courses and the contact to international fellow students

they acquire extensive knowledge in intercultural competence. Students achieve the ability to interact in German at the acquired language standard (and German students in a foreign language).

After the successful completion of studies, students are able to estimate the consequences of managerial decisions, technical products and processes. They can assess the impact on the environment concerning their economical, ecological and social dimensions and contribute to sustainable actions.

Graduates have the ability to execute the acquired knowledge in their job and to recognize, analyze and solve emerging problems independently and in a scientific way. They organize themselves and show the capacity to work as a part of an interdisciplinary team. Graduates are able to take positions in national or international corporations and organizations.

They realized the necessity of lifetime learning and acquired the ability to do so. Graduates are qualified to begin a Master degree course of studies at national and foreign universities. Individual access restrictions may apply.

### **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.

Semester	Module	SWS	ECTS
1	Mathematics I	4	5
	Physics	4	5
	Fundamentals of Sustainable Business	8	10
	Intercultural Communication	4	5
	German / Foreign Language I	4	5
		<b>24</b>	<b>30</b>
2	Mathematics II	4	5
	Chemistry and Ecology	4	5
	Thermodynamics	4	5
	Principles of Engineering I	4	5
	Accounting and Finance I	4	5
	German / Foreign Language II	4	5
		<b>24</b>	<b>30</b>
3	Principles of Engineering II	4	5
	Information Technology	4	5
	International Law and International Economic Policy	4	5
	Scientific Methods and Concepts	4	5
	Accounting and Finance II	4	5
	German / Foreign Language III	4	5
		<b>24</b>	<b>30</b>
4	Sustainable Technology Solutions	8	10
	Lab Work	4	5
	Production and Supply Chain Management	8	10
	German / Foreign Language IV	4	5
		<b>24</b>	<b>30</b>
5	Ethics and Society	4	5
	Elective	4	5
	Elective	4	5
	Interdisciplinary Project	8	10
	German / Foreign Language V	4	5
		<b>24</b>	<b>30</b>
6	Elective	4	5
	Elective	4	5
	Career Planning and Employability	4	5
	Bachelor Thesis (12 ECTS) and Colloquium (3 ECTS)	12	15
		<b>24</b>	<b>30</b>

## 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

The elective subjects are to be elected out of these catalogs. The catalogs can be changed and amended. The elective subjects are defined and announced every semester by the management of the course of study.

### Winter semester:

- Environmental Management Systems
- Industrial Ecology and Life Cycle Assessment
- Business Models
- Ecological Economics and Policies
- Sustainable Technology

### Summer semester:

- Solar Energy
- Challenges of Climate Change and Water Resources
- Land Use and Material Flow Management
- Fundamentals of Entrepreneurial Management
- Consumer Culture and Strategic Marketing

## 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 curriculum starts on the date of its publication.

Birkenfeld, 11.04.2017

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