

This English translation of StuPO no. 20222 is for information purposes only and not legally binding.

## § 44 Master's Degree Program "Biotechnology" (MBT)

### Objective

- (1) In the Master's degree program Biotechnology (MBT), students acquire in-depth knowledge in biotechnology with a focus on industrial and environmental biotechnology as well as bioeconomy. Through the English-language study program at two universities in two European countries, students not only acquire in-depth specialist knowledge, but also important interdisciplinary qualifications, in particular intercultural and language skills. Successful completion of the Biotechnology program thus provides a sound basis for a career in internationally oriented biotechnological research and industry.

### Structure

- (2) The MBT program is jointly organized by the Uniwersytet Warmińsko-Mazurski (UWM) in Olsztyn, Poland, and Hochschule Offenburg in Offenburg, Germany. The standard time to degree is three semesters. Semesters MBT1 at Hochschule Offenburg and MBT2 at UWM are theory-based with a modular structure. During the third semester, MBT3, the Master's thesis is usually prepared, either at one of the partner universities or externally at a suitable company or research institution.
- (3) For successful completion of the program, a minimum of 90 C (credit points according to ECTS) is required.
- (4) Individual national regulations may apply to Hochschule Offenburg and UWM, for example concerning admission, the type, execution and grading of examinations (including repeat examinations), the regulations on the final thesis and on course-attendance or exam-attendance requirements, as well as exclusion from the study program.
- (5) Both universities follow the standards and guidelines for quality assurance of the European Higher Education Area in a binding commitment. The concrete implementation at the two universities is therefore mutually recognized.
- (6) The language of teaching and learning is usually English.
- (7) The program is more research-oriented and concludes with an M. Sc. Master of Science degree.

### Admission

- (8) As a rule, admission takes place consecutively for graduates of the seven-semester, 210 C Bachelor's degree programs in the field of Biotechnology and comparable programs at UWM for the summer semester and at Hochschule Offenburg for the winter semester. Suitable graduates of comparable programs at other universities may also be enrolled. A list of suitable first-degree subjects is included in the admission regulations.
- (9) Students applying for MBT who have a first degree comprising less than 210 C and cannot prove other recognizable academic or professional achievements, are required to enroll for additional credits before the Master's degree can be awarded. They can complete a scientific project or courses from a given course catalogue with the required workload.

### Modules and Courses

- (10) The first semester, MBT1, takes place at Hochschule Offenburg (Department of Mechanical and Process Engineering) and the second semester, MBT2, at UWM. For the third semester, MBT3, students can choose between completing their Master's thesis at Hochschule Offenburg or UWM.
- (11) Table 1 shows a list of all modules. The MBT module handbook contains further information on the individual courses. For administrative purposes, the entire MBT2 semester at UWM is presented as one module. Details on this can be found on the MBT program website of UWM.

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**Table 1: Modules and Courses**  
(Courses, workloads, assessments, weightings)

Sem.	Module No.	Module Title	C	Course No.	Course Title	Type	SWS	C	Assessment	Weight
MBT1	MBT-11	Biotechnological Processes from Lab to Market	10	M+V2500	Biotechnological Processes from Lab to Market	V	4	4	K90+LA	1
				M+V2501	Biotechnological Processes from Lab to Market – Lab	L	4	6		
	MBT-12	Safety and Control in Biotechnology	4	M+V2502	Regulatory Affairs and Safety in Biotechnology	V	2	2	K60	1/2
				M+V2503	Process Control Engineering	V	2	2	K60	1/2
	MBT-13	Bioeconomy	10	M+V2504	Biotechnological Conversion Processes	V	2	2	K60	1/2
				M+V2505	Renewable Energy Conversions	L+S	4	4	LA+RE	-
				M+V2506	Biobased Industries	V	4	4	K90	1/2
	MBT-14	Complementary Subjects	6	M+V2507	Bioperspectives and Bioethics	S	2	2	RE	1/2
				M+V2508	Intercultural Competences	S	2	2	RE	-
				M+V2509	Language Skills <sup>1</sup>	S	2	2		1/2 <sup>2</sup>

Sem.	Module No.	Module Title	C	Course No.	Course Title	Type	SWS	C	Assessment	Weight
MBT2	MBT-21	UWM	30		Biotechnology in Environmental Sciences			30		1

Sem.	Module No.	Module Title	C	Course No.	Course Title	Type	SWS	C	Assessment	Weight
MBT3	MBT-31	Master's Thesis <sup>3</sup>	30	M+V2510	Master's Thesis	WA		28	AA	1
				M+V2511	Presentation and Defense	S		2	RE	
<b>Total</b>			<b>90</b>					<b>90</b>		

**Abbreviations:**

Workload: C = credit points (ECTS), SWS = class hours per week (at 45 minutes each),  
weight = weighting of grade within module

Course type: L = lab, P = practical work, S = seminar, V = lecture, WA = scientific work

Assessment: AA = final thesis, HA = term paper, K60/K90/K120 = written exam of 60/90/120 minutes' duration, LA = lab report, RE = oral presentation, OE = oral exam

- (12) The Master's thesis is usually worked on following the successful completion of semesters MBT1 and MBT2. The time allowed for the Master's thesis is six months from the date indicated on the registration form at the examination office. The oral presentation of the thesis and the defense usually take place at the University and are open to the public.

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### Grading

- (13) If a module is composed of several, individually graded courses, the module grade is calculated by the individual grades, weighted by the respective number of credit points. All module grades are in turn weighted by their respective credits to calculate the final grade. A module is considered completed successfully when all of its individual examinations have been passed successfully. A semester is considered completed successfully when all modules of the semester have been completed successfully.
- (14) The conversion of the grades is calculated according to the central conversion table of Hochschule Offenburg for the recognition of study achievements from abroad.

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<sup>1</sup> Depending on the language chosen

<sup>2</sup> Grading according to the specifications of the Language Center

<sup>3</sup> Weighting 9/10 AA and 1/10 RE; the module grade is decided by the supervisor of the thesis; different module structure at the host university