

Fächermitbelegung LFU x MCI

Am MCI wählbare Kurse

Specialisation Pharmaceutical Biotechnology*

Specialisation Ecobiotech*

**Ecobiotech and Pharmaceutical Biotech. Courses cannot be taken simultaneously.

1. Semester

Course-Nr	Course Titel	ECTS
BT_MA25_1_1	Bioprocess Engineering	3
BT_MA25_1_2	Cell Culture Technology	3
BT_MA25_1_3	Selected Methods in Cell and Molecular Biology	3
BT_MA25_1_4	Immunology	2.5
BT_MA25_1_5	Human Physiology	2.5
BT_MA25_1_6	Plant & Food Biotechnology	4
BT_MA25_1_8	Research Seminar 1	1
BT_MA25_1_9	Biostatistics	3
BT_MA25_1_10	Management-Oriented Business Administration	4

3. Semester

Course-Nr	Course Titel	ECTS
BT_MA25_3_1	Bioinformatics	3
BT_MA25_3_2	Omics Technologies	3
BT_MA25_3_3	Clinical Diagnostics	2
BT_MA25_3_4	Biopharmaceutical Development and Production	2
BT_MA25_3_6	Qualification and Validation in Biotechnological Industries	1
BT_MA25_3_7	Industrial Biotechnology	3
BT_MA25_3_8	Technical Biocatalysis	3
BT_MA25_3_9	Biosafety	1
BT_MA25_3_10	Intellectual Property Rights in Biotechnology	1
BT_MA25_3_11	Research Seminar 3	1
BT_MA25_3_12	Academic Writing	1
BT_MA25_3_14	Management & Leadership Skills for Engineers	4
BT_MA25_3_15	Sustainable Biomaterials & Biorefineries	3
BT_MA25_3_16	Applied Green Chemistry	3

2. Semester

Course-Nr	Course Titel	ECTS
BT_MA25_2_1	Drug Discovery	1.5
BT_MA25_2_2	Preclinical & Clinical Development	1.5
BT_MA25_2_3	Biopharmacy & Dosage Formulations	2
BT_MA25_2_4	Upstream Processing	3
BT_MA25_2_5	Bioanalytics	3
BT_MA25_2_7	Downstream Processing	3
BT_MA25_2_10	Research Seminar 2	1
BT_MA25_2_11	Scientific Literature	1
BT_MA25_2_12	Biodata Science	4
BT_MA25_2_13	Asset & Risk Management	2
BT_MA25_2_14	Legal Framework in Corporate Management	2
BT_MA25_2_15	Sustainability & Circular Economy	3
BT_MA25_2_16	Environmental Microbiology & Ecophysiology	5
BT_MA25_2_17	Ecotoxicology & Analytics	3
BT_MA25_2_18	Bioremediation Technologies	3