



WHICH ROLE DO NATURAL COMPOUNDS PLAY IN DRUG RESEARCH AND AGRICULTURE?

WHAT IS THE USE OF ENZYMES AND HOW ARE THEY DESIGNED FOR INDUSTRIAL APPLICATIONS?

HOW ARE MICROORGANISMS MANIPULATED FOR LARGE SCALE PRODUCTION OF DRUGS AND ENZYMES?

MASTER

Molecular Biotechnology

JOHANNES GUTENBERG UNIVERSITÄT MAINZ



4 Master Thesis

3 Project work II
Project work I
Extended Qualifications

2 Microbiology II - Biomolecular Interactions
Microbiology I - Fungal Molecular Physiology

1 Biochemistry 3
Bioanalytics
Molecular Biotechnology

MODULES PER SEMESTER



TARGET GROUP | You obtained a Bachelor's degree and have interest to broaden and specialize your knowledge in Molecular Biotechnology? You wish to tackle societal, health or nutritional challenges in your future career? Then, this Master's degree program is exactly what you are looking for!



CAREER | With your Master's degree you will be qualified for higher positions in biotechnological companies, pharmaceutical or chemical industry. Through a doctoral thesis following your Master's degree you increase your chances for a career in a leading position in industry or academia. Are you curious?



ADMISSION REQUIREMENTS | Prerequisite for enrollment to the program is a Bachelor's degree in Biology, Biochemistry or Biotechnology (or comparable) with at least a grade good (2.5) and admission is subject to restriction. English language skills at least at level B2 are required and no German language skills are needed.



STUDY PLAN | The length of the degree program is 2 years (4 terms) and includes a broad education in practical courses besides lectures and seminars. Moreover, internships at national and international partner labs or companies are possible and highly encouraged before you complete the program with your Master's thesis in a biotechnological topic of your interest. An overview of all modules is presented on the left.

<https://www.blogs.uni-mainz.de/fb10-biologie-eng/molecular-biotechnology>

SCAN ME



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Starts only in winter term!

