



## M.Sc. Microbiology

Pictogram staff.  
Image: Manuela Östreicher

Objectives

Application to the study course

Modules & regulations

Staff

Occupational fields

<https://www.msc-microbio.uni-jena.de/master+program>

Information for the international program MSc Microbiology (taught in English!) is available at:

<https://www.msc-microbio.uni-jena.de/master+program>

The Master program "Microbiology" is a scientific-biological study course, based on fundamental research with special focus on microbiology at its full diversity, given in English language. Purpose of the training is to become highly competitive scientists for fundamental research, as well as for applied research.

Applicants need good command of English, need to submit a certificate for participation in a questionnaire, a motivation letter and their previous study records.

Selection criteria are:

BSc in Biology, or equivalence is evaluated by ECTS in microbiology during BSc, practical training in research, grade in microbiology, grade in BSc and scientific or university positions held.

## Strongholds of the program

- A great number of non-university research facilities is intensely involved
- A great number of biotechnology companies holds strong contacts.
- A great spectrum of methodology, interdisciplinary focus and international qualification.
- A close connection to the local biotechnological job market.
- „Enabling Technologies“ like proteomics, transcriptomics, metabolomics, chemical, biochemical, physical and cell biological analytics, fermentation allows strong research.
- The „Jena School for Microbial Communication“ provides excellent opportunities for PhD.



## 4 semester program MSc Microbiology

cp: credit points (ECTS)

- 1:** One introductory (MMB001, 6 cp) and four basic modules (MMB002 - MMB005, 8 cp each) are available in the winter semester  
30 cp are provided in complementary block courses
- 2:** Selection of advanced modules with 30 cp  
For selection, 11 choices are provided as well as own selections from other study courses are recognized  
It is possible to select freely single lectures, practical training, seminars, field trips in a wild card module (provided the contents are relevant for microbiology)
- 3:** Project Module, 15 cp; Specialization Module, 15 cp  
These modules should be performed in association with the Master thesis within the working group that is selected at the end of the second semester for the Master thesis
- 4:** Master thesis 30 cp  
In combination with the Specialization and Projekt Modules, a full year is available for your research in Microbiology!

More information to the Master Program:

[www.msc-microbio.uni-jena.de](http://www.msc-microbio.uni-jena.de)

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The program **is linked to the PhD program** available with the Excellence Cluster Balance of the Microverse (<https://www.microverse-cluster.de/en/>). Contents of this Cluster are summarized in this video:

<https://youtu.be/ljJQpUSMDZs>

The Cluster has a recognized Excellence Graduate School, „Jena School for Microbial Communication“, in which PhD positions are available and the PhD is structured for optimized PhD environment (<https://www.microverse-cluster.de/en/jsmc.html>).