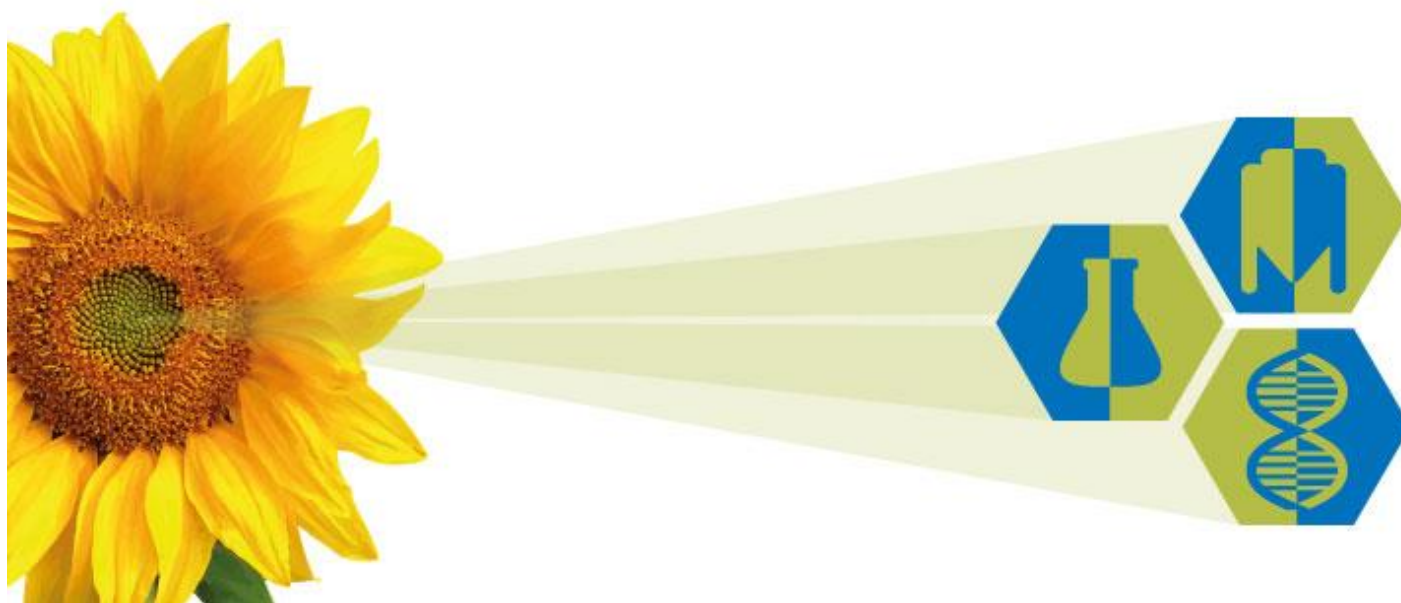


# Information on the online aptitude test

M.Sc. Chemical Biotechnology



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# General information

If applicants receive 50-69 points in level 1 of the aptitude assessment based on their curricular analysis and final grade of the Bachelor's degree, they are eligible for level 2 of the aptitude assessment, the online aptitude test.

The aptitude test can either be taken in the lecture hall with human supervision or at home with Proctorio supervision. If an off campus attendance with Proctorio supervision is chosen, there is a one-time cost of \$25 (Proctorio fees, not to be paid to TUM).

The online aptitude test takes 60 minutes. The exact date will be announced at least one week prior to the test. There are two tests per year, one for each application period.

The test comprises 40 single choice questions covering the following topics:

- Natural Sciences & Maths (25%)
- Chemistry (25%)
- Molecular Biology (25%)
- Process Engineering (25%)

It is not allowed to use any tools or auxiliary means during the exam.

The number of correctly answered questions is converted (but not 1:1!) into points for the application process. The online aptitude test gives up to 30 points in the application process. Admission requires a minimum of 70 points.

In the following, you will find a list of modules/ courses which impart the competences assessed by the aptitude test. Detailed information on the courses including suggested reading lists can be found in the module descriptions of the respective courses.

Please visit TUMonline:

[https://campus.tum.de/tumonline/ee/ui/ca2/app/desktop/#/?\\$ctx=lang=en](https://campus.tum.de/tumonline/ee/ui/ca2/app/desktop/#/?$ctx=lang=en)

Please select "Modulhandbuch/ Module Catalog" and select "TU00000 Technische Universität München" as organisation

Select a module of the following table (by name or ID) e.g. "CS0175"

Click on the module name and find the respective module description.

## Natural Sciences & Maths

<b>Module/ Course name</b>	<b>Module number/ ID</b>
Advanced Mathematics 1	CS0175
Physics	CS0028
Statistics	CS0199
Foundations of Programming	CS0001

## Chemistry

<b>Module/ Course name</b>	<b>Module number/ ID</b>
General Chemistry	CS0220
Organic Chemistry	CS0052
Physical Chemistry	CS0152
Instrumental Analysis and Spectroscopy	CS0168

## Molecular Biology

<b>Module/ Course name</b>	<b>Module number/ ID</b>
Cell Biology and Microbiology	CS0157
Molecular Biology and Genetics	CS0257
Biochemistry	CS0186
Enzymes and Their Reactions	CS0187
Bioinformatics	CS0210

## Process Engineering

<b>Module/ Course name</b>	<b>Module number/ ID</b>
Bioprocess Engineering	CS0189
Fundamentals of Thermodynamics	CS0065
Chemical Reaction Engineering	WZ1935
Process Design Project	WZ1942