

# Biomedical Sciences (M.Sc.) Biomedical Research



Department of Natural Sciences

|                          |                                       |                                          |                            |                         |                         |                         |
|--------------------------|---------------------------------------|------------------------------------------|----------------------------|-------------------------|-------------------------|-------------------------|
| <b>1st term</b><br>32 CP | Monitoring of Clinical Trials<br>8 CP | Pharmacology / Toxicology<br>8 CP        | Clinical Chemistry<br>8 CP | Pathophysiology<br>8 CP |                         |                         |
| <b>2nd term</b><br>30 CP | Personalized Medicine<br>8 CP         | Medical Proteomics<br>8 CP               | Neurobiology<br>8 CP       | Elective Course<br>3 CP | Elective Course<br>3 CP |                         |
| <b>3rd term</b><br>28 CP | Human Genetics<br>8 CP                | Advanced and Clinical Immunology<br>8 CP | Elective Course<br>3 CP    | Elective Course<br>3 CP | Elective Course<br>3 CP | Elective Course<br>3 CP |
| <b>4th term</b><br>30 CP | final thesis / colloquium<br>30 CP    |                                          |                            |                         |                         |                         |

MPO 2025

## Legend

### Modul Types

concentration

mobility window

practical experience

final thesis

CP= Credit Points



Hochschule  
Bonn-Rhein-Sieg  
University of Applied Sciences

### Language of Instruction



Accessible text version from the second page onwards.

## **Study plan Biomedical Sciences (M.Sc.) – Biomedical Research**

### **Department of Natural Sciences**

#### **Concentration (light blue background) 1st term – 32 CP**

Monitoring of Clinical Trials 8 CP

Pharmacology / Toxicology 8 CP

Clinical Chemistry 8 CP

Pathophysiology 8 CP

#### **2nd term – 30 CP**

Personalized Medicine 8 CP

Medical Proteomics 8 CP

Neurobiology 8 CP (Concentration – light blue background)

Elective Course 3 CP (Concentration – light blue background)

Elective Course 3 CP (Concentration – light blue background)

#### **3rd term – 28 CP**

Human Genetics – 8 CP

Advanced and Clinical Immunology 8 CP (Concentration – light blue background)

Elective Course 3 CP (Concentration – light blue background)

Elective Course 3 CP (Concentration – light blue background)

Elective Course 3 CP (Concentration – light blue background)

Elective Course 3 CP (Concentration – light blue background)

#### **4th term – 30 CP**

Final thesis / colloquium 30 CP (Final thesis – dark blue background)

**MPO 2025**

## **Legend – Module Types**

Concentration (light blue background)

Mobility window (yellow background)

Practical experience (green background)

Final thesis (dark blue background)

CP = Credit Points

## **Future Skills**

#skills\_4\_the\_digital\_age

#skills\_2\_transform

#skills\_4\_life

#digital\_expert

#sustainable\_expert

## **Language of Instruction**

English