

# Biomedical Sciences (M.Sc.)

Regulatory Affairs &  
Clinical Development



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                     | Medical Device & IVD Development<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                | Signaling Pathways in Drug Development<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.) – Regulatory Affairs & Clinical Development**

Department of Natural Sciences

### **Concentration (hellblauer Hintergrund/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

Medical Device & IVD Development 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

Signaling Pathways in Drug Development 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