

Applied Biology (B.Sc.)



Department of Natural Sciences

1st term 30 CP	Mathematics 6 CP	Laboratory Skills / Computing Sciences 7 CP	Cell Biology 7 CP	General Chemistry 7 CP	Languages 1+2 6 CP	
2nd term 30 CP	Physics / Statistics 6 CP	Microbiology 7 CP	Human Biology / Histology 7 CP	Organic Chemistry 7 CP		
3rd term 30 CP	Instrumental Analytics 7 CP	Medical Microbiology 6 CP	Physiology 7 CP	Molecular Genetics 7 CP	Measuring Techniques 3 CP	
4th term 30 CP	Biochemistry 7 CP	Bioinformatics / Data Analytics 6 CP	Immunology 7 CP	Cell Culture 3 CP	Elective Course A-1 3 CP	Elective Course A-2 3 CP
5th term 30 CP	Genetic Engineering 7 CP	Structural Biology 7 CP	Developmental Biology 7 CP	Elective Course B-1 3 CP	Elective Course B-2 3 CP	Elective Course C 3 CP
6th term 30 CP	internship / practical experience 18 CP			final thesis / colloquium 12 CP		

BPO 2023

Legend

Module Types

concentration

mobility window

practical experience

final thesis

CP= Credit Points



Hochschule
Bonn-Rhein-Sieg
University of Applied Sciences

Language of Instruction

Applied Biology (B.Sc.) Department of Natural Sciences

Profiling (blue background)

1st term 30 CP

Mathematics 6 CP

Laboratory Skills/ Computing Sciences 7 CP

Cell Biology 7 CP

General Chemistry 7 CP

Language I 3 CP

2nd term 30 CP

Physics/ Statistics 6 CP

Microbiology 7 CP

Human Biology/ Histology 7 CP

Organic Chemistry 7 CP

Language II 3 CP

3rd term 30 CP

Instrumental Analytics 7 CP

Medical Microbiology 6 CP

Physiology 7 CP

Molecular Genetics 7 CP

Measuring Techniques 3 CP

4th term 30 CP

Biochemistry 7 CP

Bioinformatics/ Data Analytis 6 CP

Immunology 7 CP

Cell Culture 3 CP

Elective Course A-1 3 CP (concentration - light blue background)

Elective Course B-2 3 CP (concentration - light blue background)

Mobility window (yellow background)

5th term 30 CP

Genetic Engineering 7 CP

Structural Biology 7 CP

Developmental Biology 7 CP

Elective Course B-1 3 CP (concentration - light blue background)

Elective Course B-2 3 CP (concentration - light blue background)

Elective Course C 3 CP (concentration - light blue background)

Profiling (blue background)

6th term 30 CP

Internship/ Practical experience 18 CP (practical experience - green background)

Final thesis/ colloquium 12 CP (final thesis - dark blue background)

BPO 2023

Module Types

concentration (light blue background)

mobility window (yellow background)

practical experience (green background)

Final thesis (dark blue background)

CP= Credit Points

Future Skills

#skills4_the_digital_age

#skills_2_transform

#skills_4_life

#digital_expert

#sustainable_expert

Language of Instruction

English language module