Biological Chemistry

Cross Border Double Degree
Bachelor & Master Study Programs

International dual studies in the European Region Danube-Vltava
12th of October 2015 at the University of Applied Sciences Landshut
Double Degree Bachelor Program

1. and 2. semester in Linz at JKU
3. and 4. semester in Budweis at SBU
5. semester in Linz
6. semester in 50% Budweis/50% Linz

129 semester hours
180 ECTS in total
Subject Distribution

- Analytical Chemistry: 19%
- Biochemistry: 12%
- Biological Chemical Elective subject: 8%
- Biology: 19%
- Informatics: 10%
- Communications and Ethics: 4%
- Mathematics and Physics: 5%
- Molecular Biology: 15%
- Organic Chemistry: 8%
- Physical Chemistry: 8%
- Bachelor theses: 7%
Training in the laboratory

Laboratory in General Chemistry
Laboratory in Analytical Chemistry
Biochemistry Laboratory 1
Environmental Chemistry Laboratory
Methods in Molecular Biology
Biochemistry Laboratory 2
Laboratory in Organic Chemistry
Biophysics Laboratory
Laboratory of Instrumental Analysis
Laboratory in Physical Chemistry
2 Bachelor theses

Linz
3 weeks+
From chemistry to bioinformatics

Budweis
2 months+
Practice in the Czech Academy of Sciences
Joint Double Degree Master Program
Biological Chemistry

• Duration:
  – 5 semesters (2.5 years)
  – 1. and 2. semester in Linz
  – 3. and 4. semester in Budweis
  – 5. semester (one) Master thesis for min. 6 months

• Double degree (MSc. & Mgr.)
  – 150 ECTS
Selection of modules

- Fundamentals of Chemistry and Technology
- Advanced Biology and Biochemistry
- Support courses
- Free electives

Advanced Chemistry
Advanced Physical Chemistry and Biophysics
Structural Biochemistry

Advances in Biological Systems
Molecular and Developmental Biology
Structural Biology Techniques
Master thesis or internship in industry
Where are the students coming from?
Acknowledgement

Univ.-Prof. Dr. Norbert Müller
Head of the Institute of Organic Chemistry at JKU

Prof. RNDr. Libor Grubhoffer, CSc.
President (rector) of the USB

Cross Border Award 2012

www.biologicalchemistry.jku.at
www.biologicalchemistry.cz