



# Double MSc Degree in Life Sciences with the University of Chemistry and Technology, Prague

## Specialisation in Organic & Supramolecular Chemistry

### Exchange Semester (third semester)

Study one additional semester in the **MSc in Synthesis and Manufacturing in Pharmaceuticals (Specialisation Synthesis of Pharmaceuticals) at UCT Prague** and you will obtain two diplomas: MSc in Life Sciences FHNW and MSc in Synthesis and Manufacturing Pharmaceuticals UCT Prague. This combination of degrees is especially helpful for students aiming to pursue a PhD.

### Application Deadlines

Apply for the double degree programme by March 15th respectively September 15th preceding the exchange semester to Prof. Dr. Georg Lipps (georg.lipps@fhnw.ch). Selected students will then be asked to submit an application to UCT Prague by July 1st respectively December 1st.

### Financial Support

Double degree students are eligible for the Swiss-European Mobility Programme (SEMP) and may receive financial support.



[www.fhnw.ch/hls/doubledegree](http://www.fhnw.ch/hls/doubledegree)

**After the first two semesters of the MSc in Life Sciences in MuttENZ you attend the third semester at UCT Prague:**

**Module offer Autumn Semester (ECTS)**

**All of:**

Organic Reaction Mechanisms (5)

Organic Synthesis (7)

Laboratory project II (pre-diploma) (8)

**Further elective modules:**

Bioorganic Chemistry (5)

Computations and Visualization of Molecules (4)

Coordination Chemistry (6)

Engineering in Chemical  
and Pharmaceutical Processes (5)

Fine Chemicals (5)

Fundamentals of Chemical Engineering (5)

Organic Reaction Mechanisms (5)

Organic Synthesis (7)

Supramolecular Chemistry (4)

Technical Catalysis (5)

In total 30 ECTS have to be gained.

**Module offer Spring Semester (ECTS)**

**All of:**

Fundamentals of Chemistry of Pharmaceuticals (5)

Specialized Practice (3)

Retrosynthesis (6)

Laboratory project I (7)

Structural Analysis (4)

**Further elective modules:**

Analysis of Bioactive Compounds (4)

Applied Reaction Kinetics (5)

Physical Organic Chemistry (5)

Macromolecular Chemistry (4)

In total 30 ECTS have to be gained.

**Master's Thesis (fourth semester)**

Depending on the choice of the student, the MSc Thesis is either conducted under the auspices of the FHNW School of Life Sciences or UCT Prague and jointly supervised and evaluated. The viva for the MSc Thesis is combined with the Czech State Exam.