

MSc Degree in *Quantitative Life Science (QLS)* (120CP)

Semester

4

Master Thesis

(m, 30 CP)

3

Computational Life
Science - Modelling
and Simulations
(m, 5 CP)

Omics II -
Proteomics and
Metabolomics
(m, 5 CP)

Lab Rotation QLS III
(m, 10 CP)

Intellectual Property
and Commercialization
(m, 5 CP)

Elective III
(me, 5 CP)

2

Experimental
Techniques
(m, 5 CP)

Omics I -
Genomics and
Transcriptomics
(m, 5 CP)

Lab Rotation QLS II
(m, 10 CP)

Scientific Writing
(m, 5 CP)

Elective II
(me, 5 CP)

1

Guided Self-study
(Chemistry, Biology,
Math/Physics)
(m, 5 CP)

Data tools for the Life
Sciences
(m, 5 CP)

Lab Rotation QLS I
(m, 10 CP)

Scientific
Presentations
(m, 5 CP)

Elective I
(me, 5 CP)

Area

**CORE
30 CP**

**Research
30 CP**

**Transferable Skills
15 CP**

**Elective
15 CP**

m = mandatory

me = mandatory elective

MSc Degree in *Quantitative Life Science*
Elective Modules

Quantitative Life Science Electives			
Area	Molecular Simulations (me, 5 CP)	Biochemical Engineering - From Cells to Processes (me, 5 CP)	Structure Elucidation (me, 5 CP)
	Machine Learning in Cheminformatics (me, 5 CP)	Quantitative Cell Biology (me, 5 CP)	Supramolecular Chemistry (me, 5 CP)
	Computational LS	Cellular LS	Chemical LS