Study programme - M.Sc. Integrative Neuroscience

First semester (foundational courses)

You must take 30 CP total: 28 CP core courses (PF) plus 2 CP of 8 CP electives (WPF).   An additional 5 CP are offered optionally (WF).

1 SEMESTER

Modul GA1 **Molecular and Cellular Neuroscience** 9 CP (PF) + 2 CP (WPF)	Modul GB **Systems and Behavioural Neuroscience** 7 CP (PF) + 2 CP (WPF)	Modul GC **Theoretical and Computational Neuroscience** 6 CP (PF) + 4 CP (WPF)	Modul X **Professionalism/ Practical experience** 6 CP (PF) + 5 CP (WF)

Cellular Neurophysiology

101 L:	2 SWS / 3 CP
101 T (WPF):	1 SWS / 1 CP
101 P:	2 SWS / 2 CP

Integ. Compar. Neuroanatomy

103 L:	3 SWS / 3 CP
103 T (WPF):	2 SWS / 2 CP
103 P:	1 SWS / 1 CP

Theoretical Neuroscience I

105 L:	3 SWS / 3 CP
105 T (WPF):	2 SWS / 2 CP

Lab Rotation I

190 LR:	4 SWS / 6 CP

Basic Molecular & Cell Biology

102 L:	3 SWS / 3 CP
102 T (WPF):	1 SWS / 1 CP
102 P:	1 SWS / 1 CP

Neuroethology

104 L:	2 SWS / 3 CP

Mathematical Foundations

106 L:	2 SWS / 3 CP
106 T (WPF):	2 SWS / 2 CP

Journal Club / Neurocolloquium

180/185 S (optnl.):	4 SWS / 3 CP

Introduction to Matlab

107 T (optnl.):	2 SWS / 2 CP

Legend: CP = Credits, SWS = hours per semester week, PF = core course, WPF = elective course, WF = optional course

L = Lecture/Vorlesung, T = Tutorial/Übung, P = Practical or lab work/Laborpraktikum, S = Seminar, LR = Laboratory rotation/Spezialpraktikum