MASTER PROGRAM NEUROSCIENCE
UNIVERSITY OF OLDENBURG

Background and skills modules you might want to consider if you are interested in…

A broad overview of neuroscience topics and methods:
neu350	Biological Foundations of Neuroscience
neu280	Research Techniques in Neuroscience
neu210	Neurosensory Science & Behaviour
neu790	Communicating Neuroscience
neu751	Laboratory Animal Science

The cognitive / behavioral level of neuroscience:
neu210	Neurosensory Science & Behaviour
neu220	Neurocognition & Psychopharmacology
neu310	Psychophysics of Hearing
neu300	Functional MRI Data Analysis

The cellular / network level of neuroscience:
neu141	Visual Neuroscience - Physiology & Anatomy
neu340	Invertebrate Neuroscience
neu345	Computation in Invertebrate Systems
neu320	Introduction to Neurophysics
neu241	Computational Neuroscience – Introduction

The molecular level of neuroscience:
bio605	Molecular Genetics & Cell Biology
bio695	Biochemical Concepts in Signal Transduction
neu150	Visual Neuroscience: Anatomy
bio845	Introduction Development & Evolution
bio846	Lab Exercise in Development & Evolution
neu290	Biophysics of Sensory Reception

Computational neuroscience:
neu241	Computational Neuroscience– Introduction
neu250	Computational Neuroscience- Statistical Learning
neu320	Introduction to Neurophysics
neu345	Computation in invertebrate systems
neu710	Neuroscientific Data Analysis in Matlab

Sensory systems:

neu141	Visual Neuroscience: Physiology & Anatomy
neu150	Visual Neuroscience: Anatomy
neu360	Auditory Neuroscience
neu310	Psychophysics of Hearing
neu290	Biophysics of Sensory Reception
neu370	Neuroprosthetics

Neurobiology:

neu350	Biological Foundations of Neuroscience
bio845	Introduction Development & Evolution
bio846	Lab Exercise in Devolpment & Evolution
neu210	Neurosensory Science & Behaviour
neu360	Auditory Neuroscience
neu340	Invertebrate Neuroscience

Human neuroscience:

neu300	Functional MRI Data Analysis
neu220	Neurocognition & Psychopharmacology
neu310	Psychophysics of Hearing
neu370	Neuroprosthetics

Clinical aspects of neuroscience:

neu370	Neuroprosthetics
neu220	Neurocognition & Psychopharmacology
bio605	Molecular Genetics & Cell Biology
neu280	Research Techniques in Neuroscience

Ethical aspects of neuroscience:

neu790	Communicating Neuroscience
neu730	Biowissenschaften i. d. gesellschaftlichen Debatte
neu751	Laboratory Animal Science
neu340	Invertebrate Neuroscience

Data analysis techniques:

neu300	Functional MRI Data Analysis
neu241	Computational Neuroscience – Introduction
neu250	Computational Neuroscience - Statistical Learning
neu710	Neuroscientific Data Analysis in Matlab
neu780	Introduction Data Analysis with Python
6.02.001	*Introductory statistics (uncredited)*

Science Communication:

neu790	Communicating Neuroscience
neu760	Scientific English
neu810	International Meeting Contribution
neu730	Biowissenschaften i. d. gesellschaftlichen Debatte