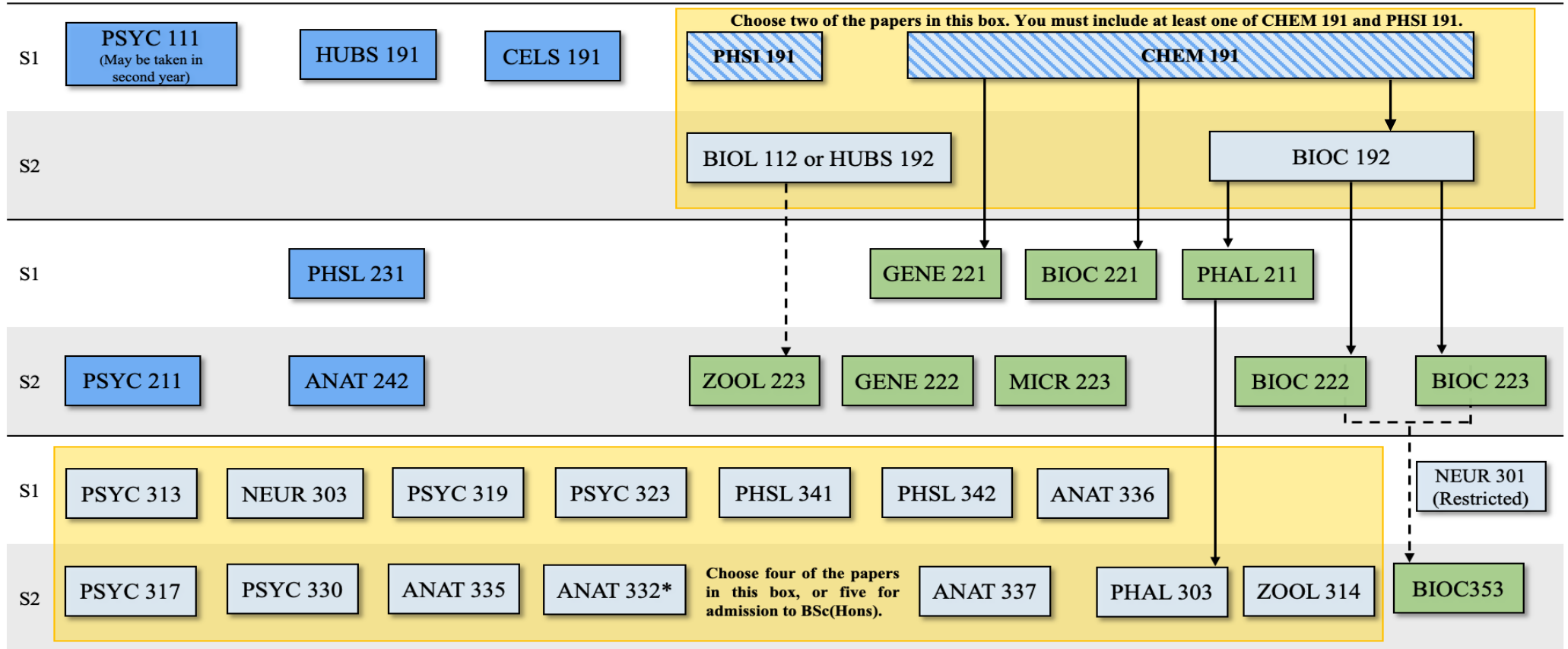


NEUROSCIENCE

Te Kaupapa Pūtaiao Io

Neuroscience Major

Neuroscience Programme
neuroscience@otago.ac.nz
www.otago.ac.nz/neuroscience



Prerequisites

- It is assumed that you have passed the major subject requirements in preceding semesters.
- Arrows indicate prerequisites that are not fulfilled by just the major subject requirements. Dashed arrows indicate that more than one paper can serve as the prerequisite.
- For neuroscience students, the prerequisite(s) for:
 - *ANAT 332 is a B+ or better in ANAT 242;
 - PSYC 211 is PSYC 111
 - ZOOL 223 are CELS 191 and (BIOL 112 or (HUBS 191 or 192 with at least a B)).

BSc requirements

A total of 360 points (20 papers) with at least 180 points (10 papers) above 100-level.




Note: No more than three 300-level papers with the same subject code (other than NEUR) may Count towards the major subject requirements.

Required, Optional, and Recommended Papers for the Neuroscience Major

- Required papers.
- Chosen papers –number that must be taken specified in the yellow boxes (may take more if desired).
- Recommended papers – additional papers that support the neuroscience major (not required).

Considering Postgraduate Study in Neuroscience?

The postgraduate programmes available in neuroscience include: the PGDipSci, BSc(Hons), MSc, and PhD. For BSc(Hons), include five of the 300-level chosen papers in your degree. NEUR 301 counts as one of the five and is highly recommended to students with excellent grades who intend to undertake postgraduate study. You can find more information at www.otago.ac.nz/neuroscience/postgraduate.

Level	Paper Code	Paper Title	Points	
100-level	CELS 191	Cell and Molecular Biology	18	
	HUBS 191	Human Body Systems 1	18	
	PSYC 111	Brain and Behaviour	18	
	Either CHEM 191 or PHSI 191	The Chemical Basis of Biology and Human Health Biological Physics	18	
	One other paper from:			
	BIOC 192	Foundations of Biochemistry		
	BIOL 112	Animal Biology		
	HUBS 192	Human Body Systems 2	18	
	CHEM 191	The Chemical Basis of Biology and Human Health		
	PHSI 191	Biological Physics		
200-level	ANAT 242	Neurobiology	18	
	PHSL 231	Neurophysiology	18	
	PSYC 211	Brain and Cognition	18	
	BIOC 221	Molecular Biology		
	BIOC 222	Proteins in Industry and Medicine		
	BIOC 223	Cellular Biochemistry and Metabolism		
	GENE 221	Molecular and Microbial Genetics		
	GENE 222	Genes, Chromosomes, and Populations		
	MICR 223	Infection and Immunity		
	PHAL 211	Introductory Pharmacology		
	ZOOL 223	Animal Physiology		
	300-level	Four (or 5 for Hons entry) of:		72
		ANAT 332	Cell Biology	
ANAT 335		Neurobiology		
ANAT 336		Selected Topics in Neurobiology (first semester)		
ANAT 337		Selected Topics in Neurobiology (second semester)		
NEUR 303		Neuroendocrinology		
PHAL 303		Neuropharmacology		
PHSL 341		Molecular, Cellular and Integrative Neurophysiology I		
PHSL 342		Molecular, Cellular and Integrative Neurophysiology II		
PSYC 313		Cognition and Neuropsychology		
PSYC 317		Biopsychology		
PSYC 319		Comparative Cognition		
PSYC 323		Sensation and Perception		
PSYC 330		Drugs, Behaviour, Addiction, and Policy		
ZOOL 314		Neurobiology		
NEUR301 (Hons admission)	Current Topics in Neuroscience			
BIOC 353	Molecular Basis of Health and Disease			
Plus	144 further points; must include 54 points at 200-level or above. Up to 90 points may be taken from outside Science.		144	
Total			360	
	 Required papers  Chosen papers  Recommended papers	<u>Contact</u> Programme Administrator neuroscience@otago.ac.nz		