



Minor in Neuroscience – Graduation MAP (2 yrs)

This is a suggested plan. Meet with Neuroscience Program Director to create the specific plan that best fits your academic needs. To schedule a meeting, please email Dr. Lauren Fowler at lfowler@weber.edu


Program Requirements: A minimum of 19 credits, 13 required credits plus 6 credits from elective courses

Catalog Year 2016 – 2017

Required Courses (Complete 4 courses total from each area)	Electives: (Minimum of 6 credits)
<ul style="list-style-type: none"> ◆ FOUNDATION COURSE <ul style="list-style-type: none"> ◆ NEUR 2050 Introduction to Neuroscience (3) <i>(Typically taught twice a year in Fall and Spring/Summer)</i> ◆ COGNITIVE & BEHAVIORAL AREA (Complete 1 of the following): <ul style="list-style-type: none"> ◆ NEUR 3750 Cognitive & Behavioral Science (3) <i>(Taught Spring in even years)</i> ◆ NEUR 2730 Biopsychology (3) <i>(Taught all semesters)</i> ◆ PSY 3730 Perception (3) <i>(Taught every other year in Spring)</i> ◆ CELLULAR & MOLECULAR AREA (Complete 1 of the following): <ul style="list-style-type: none"> ◆ ZOOL 3200 Cell Biology (4) <i>(Taught Fall & Spring)</i> ◆ ZOOL 3300 Genetics (4) <i>(Taught Fall & Spring)</i> ◆ ZOOL 4100 Vertebrate Embryology (4) <i>(Taught Spring)</i> ◆ CLINICAL & MEDICAL AREA (Complete 1 of the following): <ul style="list-style-type: none"> ◆ NEUR 3850 Clinical Neuroscience (3) <i>(Taught Spring in odd years)</i> ◆ PSY 3740 Neuropsychopharmacology (3) <i>(Taught Fall/Spring)</i> ◆ HTHS 2240/3240 Introduction to Pharmacology (3) <i>(Taught all semesters)</i> ◆ ZOOL LS1020 Human Biology (3) <i>(Taught all semesters)</i> ◆ ZOOL 2200 Human Physiology (4) <i>(Taught all semesters)</i> 	<ul style="list-style-type: none"> ◆ ANTH LS/DV1020 Biological Anthropology (3) ◆ ANTH HU/DV1040 Language and Culture (3) ◆ BTNY 2303 Ethnobotany (3) ◆ BTNY 2600 Laboratory Safety (1) ◆ CEET 1110 Basic Electronics (2) ◆ CEET 1120 Information Technology (2) ◆ CEET 4040 Digital Signal Processing (4) ◆ CHEM PS/SI1050 Intro to General Organic & Biochemistry (5) ◆ CHEM SI1120 Elementary Organic Bio-Chemistry(5) ◆ CHEM 2310 Organic Chemistry I (5) ◆ CHEM 2320 Organic Chemistry II (5) ◆ CHEM 2600 Laboratory Safety (1) ◆ CHEM 3070 Biochemistry I (4) ◆ CHEM 3080 Biochemistry II (3) ◆ CHEM 3090 Biochemical Techniques (1) ◆ CS 4500 Artificial Intelligence and Neural Networks (4) ◆ HLTH 3100 Applications of Technology in Health Promotion (3) ◆ HLTH SI4013 Health Promotion Research and Assessment (3) ◆ HLTH 3160 Health Behavior and Special Populations (3) ◆ HTHS 1101 Medical Terminology (2) ◆ HTHS 1110/1111 Biomedical Core Lecture/Lab (8) ◆ HTHS 2230 Introductory Pathophysiology/Lab (4) ◆ HTHS 2240/3240 Introduction to Pharmacology (3) ◆ MICR 3254 Immunology (4) ◆ MICR 3305 Medical Microbiology (5) ◆ MICR 4154 Microbial Genetics (4) ◆ MICR 4252 Cell Culture (2) (cross-listed with Botany) ◆ MICR 4554 Virology (4) ◆ NEUR 2055 Neuroscience Laboratory (1)

- ◆ NEUR 4800 Projects and Research (1-3)
- ◆ NEUR 4830 Directed Readings (1-3)
- ◆ NEUR 4900 Topics in Neuroscience (2-3)
- ◆ PHIL 3350 Medical ethics (3)
- ◆ PHYS 3190 Applied Optics (3)
- ◆ PHYS 3410 Electronics for Scientists.
- ◆ PHYS 3420 Data Acquisition and Analysis (3)
- ◆ PSY 2730 Biopsychology (3)
- ◆ PSY 2830 Psychology of Consciousness (3)
- ◆ PSY 3010 Abnormal Psychology (3)
- ◆ PSY 3600 Psychology Statistics (3)
- ◆ PSY 3710 Physiological Psychology (3)
- ◆ PSY 3730 Perception (3)
- ◆ PSY 3740 Drugs and Behavior (3)
- ◆ PSY 4800 Projects and Research (1-3)* ‡
- ◆ PSY 4830 Directed Readings (1-3)* ‡
- ◆ PSY 4900 Selected Topics in Psychology (3) ‡
- ◆ PSY 4910 Capstone Research Project (3, 3)* ‡
- ◆ ZOOL LS1020 Human Biology (3)
- ◆ ZOOL 2100 Human Anatomy (4)
- ◆ ZOOL 2200 Human Physiology (4)
- ◆ ZOOL 3200 Cell Biology (4)
- ◆ ZOOL 3300 Genetics (4)
- ◆ ZOOL 4050 Comparative Vertebrate Anatomy (4)
- ◆ ZOOL 4060 Comparative Physiology (4)
- ◆ ZOOL 4100 Vertebrate Embryology (4)
- ◆ ZOOL 4120 Histology (4)
- ◆ ZOOL 4220 Endocrinology (4)
- ◆ ZOOL 4300 Molecular Genetics (4)
- ◆ ZOOL 4350 Animal Behavior (4)
- ◆ ZOOL 4800 Problems in Zoology (1-4) ** ‡
- ◆ ZOOL 4830 Readings in Zoology (1-4) ** ‡
- ◆ ZOOL 4900 Topics in Zoology (1-4) ** ‡
- ◆ ZOOL 4920 Short Courses, Workshops, Institutes, and Special Programs (1-4) ‡



	Course	Credit Hours	Semester Offered	Notes
Semester 1– Fall, Spring or Summer				
	NEUR 2050 (Introduction to Neuroscience)	3	F, SP/SU	<ul style="list-style-type: none">• Meet with Dr. Fowler to declare minor after completing NEUR 2050• Students with little science background may want to take Psych 2730 <i>before</i> taking NEUR 2050.• Take a pre-requisite for the Area 3 courses
Semester 2				
				<ul style="list-style-type: none">• Take a pre-requisite for the Area 3 courses• Take any course to help with the Neuro minor
Semester 3				
		3		<ul style="list-style-type: none">• Take any two courses to help with the Neuro minor.• Register for Area 3 courses; these are often difficult to get into, so do not wait until your last semester!
Semester 4				
				<ul style="list-style-type: none">• Take any two courses to help with the Neuro minor.
	Total Credits			

Avoid misadvisement! Consult your academic advisor (weber.edu/advisors), the WSU Catalog (weber.edu/catalog), and your CatTracks degree evaluation (log into your eWeber Student Portal).