

TO: College of Arts and Sciences Curriculum Committee

FROM: Doug Matthews, Chair  
Department of Psychology

DATE: December 10, 2019

RE: Program Change

We request implementation of the following program change with the next possible *Catalog*.

Name of Program: Comprehensive Major: Neuroscience, Liberal Arts

Program Code: 441-001

Date of Department/Program Approval: 09 December 2019

From Current Catalog Web Page:

<https://catalog.uwec.edu/undergraduate/arts-sciences/interdisciplinary/neuroscience-comprehensive-major-ba-bs/>

To: See attached.

Why: Addition of new and/or revised courses to the major. We have added additional neuroscience core courses. 1) BIOL 358: Cellular and Developmental Neuroscience is an addition to the major. 2) We have split PSYC 375: Clinical and Behavioral Neuroscience into two courses: PSYC 362: Clinical Neuroscience and PSYC 387: Behavioral Neuroscience to both represent neuroscience more broadly and add more flexibility for students in the program. We have also added additional elective courses including the new Psychology of Addictions course.

Sixty semester credits, including

**Core Courses:**

BIOL 221	Foundations of Biology I
BIOL 222	Foundations of Biology II
BIOL 223	Foundations of Biological Inquiry
CHEM 115	Chemical Principles
IDIS 125	Brain: Introduction to Neuroscience
PHIL 343	Philosophy of Mind
MATH 246	Elementary Statistics
MATH 441	Linear Regression Analysis, with Time Series
MATH 443	Experimental Design and Analysis
MATH 447	Nonparametric Statistics

**A minimum of four neuroscience core courses chosen from:**

<b>BIOL 350</b>	<b>Systems Neuroscience</b>
<b>BIOL 351</b>	<b>Systems Neuroscience Lab</b>
<b>BIOL 358</b>	<b>Cellular and Developmental Neuroscience</b>
<b>PSYC 362</b>	<b>Clinical Neuroscience</b>
<b>PSYC 374</b>	<b>Cognitive Neuroscience</b>
<b>PSYC 387</b>	<b>Behavioral Neuroscience</b>

Elective Courses:

<b>BIOL 319</b>	<b>Animal Form and Function</b>
BIOL 323	Genetics
<b>BIOL 359</b>	<b>Biology of Stress</b>
CHEM 325	Organic Chemistry I with Laboratory
CHEM 326	Organic Chemistry II with Laboratory
CHEM 352	Fundamentals of Biochemistry

CSD 440	Neurological Aspects of Communication & Cognition
MUSI 491	Special Topics (when offered as Neurology of Music)
<b>PHYS 211</b>	<b>General Physics</b>
<b>PHYS 212</b>	<b>General Physics</b>
<b>PSYC 363</b>	<b>Psychology of Addictions</b>
PSYC 366	Statistical Methods in Psychology II
PSYC 372	Individual Differences and Behavior Genetics
PSYC 377	Psychopharmacology
PSYC 379	Cognitive Psychology
PSYC 396	Research Apprenticeship in Psychology

c: David Jewett, Director of Neuroscience Studies in Psychology