

NEUROBIOLOGY, B.S.

Neuroscience is the scientific study of the central (brain and spinal cord) and peripheral (nerves in body) nervous system. The neurobiology major at UW–Madison will provide a rigorous education in neuroscience principles that will prepare students for health-related careers (physician, physician assistant, veterinarian, dentist, neuroimaging technician, speech-language pathologist, neuropsychologist, drug rehabilitation counselor, physical therapists), academic careers (college and university faculty, research scientists, lab technician, K-12 teachers), and careers in pharmaceutical and biotech industries, venture capital and scientific consulting firms, medical and scientific journals, intellectual property law, neuroscience-related nonprofit organizations and foundations, and government agencies. UW–Madison is one of the leading universities in the world with more than 90 faculty engaged in neuroscience research and undergraduates will have access to this research faculty in formal classroom environments and through undergraduate research opportunities. Please see the Neurobiology Major (<http://www.neuromajor.wisc.edu>) website for more information.

ABOUT THE CURRICULUM

The curriculum is designed to give students a solid foundation in basic biology, chemistry, physics, and mathematics before going on to study neuroscience at the molecular, cellular, systems, and cognitive levels. Students with interests in non-neuroscience majors are welcome and encouraged to enroll in neuroscience courses. For example, students may be attracted to the diversity and flexibility of courses offered within the biology major in the College of Agricultural and Life Sciences and still take several neuroscience courses that satisfy requirements in the biology major. Students can also perform independent research in neuroscience laboratories on campus. Students in other majors, such as biochemistry, psychology, genetics, animal sciences, communication sciences and disorders, engineering, and computer science, can enroll in neuroscience courses that uniquely complement courses within their major. The Neurobiology Major Program Committee is committed to increasing opportunities for all students with interests in neuroscience and helping students accomplish their academic goals at UW–Madison. This new major is tailored to attract students from a diverse array of backgrounds. Please see the Neurobiology Major website (<http://www.neuromajor.wisc.edu>) for more information.

HOW TO GET IN

To declare the Neurobiology major, students must meet with one of the advisors for the major.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin–Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world.

Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (<http://guide.wisc.edu/undergraduate/#requirementsforundergraduatetext>) section of the *Guide*.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits
	• Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
	• Breadth—Social Studies: 3 credits
	• Communication Part A & Part B *
	• Ethnic Studies *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE BREADTH AND DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (B.S.)

Students pursuing a bachelor of science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum. View a comparison of the degree requirements here. (<https://pubs.wisc.edu/home/archives/ug15/images/babs2009.pdf>)

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Two (2) 3+ credits of intermediate/advanced level MATH, COMP SCI, STAT Limit one each: COMP SCI, STAT
Foreign Language	Complete the third unit of a foreign language Note: A unit is one year of high school work or one semester/term of college work.
L&S Breadth	<ul style="list-style-type: none"> • Humanities, 12 credits: 6 of the 12 credits must be in literature • Social Sciences, 12 credits • Natural Sciences, 12 credits: must include 6 credits in biological science; and must include 6 credits in physical science
Liberal Arts and Science Coursework	108 credits
Depth of Intermediate/Advanced work	60 intermediate or advanced credits
Major	Declare and complete at least one (1) major
Total Credits	120 credits
UW-Madison Experience	30 credits in residence, overall 30 credits in residence after the 90th credit

Minimum	2.000 in all coursework at UW–Madison
GPAs	2.000 in intermediate/advanced coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S *only need to fulfill the major requirements* and do not need to complete the L&S breadth and degree requirements above. Please note that the following special degree programs are not considered majors so are not available to non–L&S-degree-seeking candidates:

- Applied Mathematics, Engineering and Physics (Bachelor of Science–Applied Mathematics, Engineering and Physics)
- Journalism (Bachelor of Arts–Journalism; Bachelor of Science–Journalism)
- Music (Bachelor of Music)
- Social Work (Bachelor of Social Work)

REQUIREMENTS FOR THE MAJOR MATH, STATISTICS, CHEMISTRY & PHYSICS

Code	Title	Credits
Mathematics (complete one):		5
MATH 211	Calculus	
MATH 217	Calculus with Algebra and Trigonometry II	
MATH 221	Calculus and Analytic Geometry I	
MATH 275	Topics in Calculus I	
Statistics (complete one):		3
STAT 371	Introductory Applied Statistics for the Life Sciences	
STAT/B M I 541	Introduction to Biostatistics	
BOTANY 575	Special Topics (Intro to Modern Statistical Methods for Biologists)	
General Chemistry (complete one):		5-9
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	
CHEM 109	Advanced General Chemistry	
CHEM 115 & CHEM 116	Chemical Principles I and Chemical Principles II	
Organic Chemistry		3
CHEM 341 or CHEM 343	Elementary Organic Chemistry or Introductory Organic Chemistry	
Physics		8-10
PHYSICS 103	General Physics ¹	
	or PHYSICS 201 General Physics	
	or PHYSICS 207 General Physics	
	or PHYSICS 247 A Modern Introduction to Physics	
PHYSICS 104	General Physics	
	or PHYSICS 202 General Physics	
	or PHYSICS 208 General Physics	
	or PHYSICS 248 A Modern Introduction to Physics	
Total Credits		24-30

¹ Students may substitute E M A 201, plus either E M A 202 or M E 240 for the First course in Physics.

30 CREDITS OF BIOLOGY AND NEUROBIOLOGY

Credits will be applied from General Biology, Required Neurobiology, Lab/Research Experience, and Electives.

General Biology

Code	Title	Credits
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Choose one of these sequences:

Introductory Biology 10

ZOOLOGY/
BIOLOGY/
BOTANY 151

Introductory Biology

ZOOLOGY/
BIOLOGY/
BOTANY 152

Introductory Biology

*BIOCORE*³

BIOCORE 381 Evolution, Ecology, and Genetics

BIOCORE 383 Cellular Biology

BIOCORE 485 Principles of Physiology

BIOCORE 587 Biological Interactions

Plus two from:

BIOCORE 382 Evolution, Ecology, and Genetics Laboratory

BIOCORE 384 Cellular Biology Laboratory

BIOCORE 486 Principles of Physiology Laboratory

Animal Biology

ZOOLOGY/
BIOLOGY 101

Animal Biology

ZOOLOGY/
BIOLOGY 102

Animal Biology Laboratory

BOTANY/
BIOLOGY 130

General Botany

Neurobiology

Code	Title	Credits
ZOOLOGY/ PSYCH 523	Neurobiology	3

PSYCH 454 Behavioral Neuroscience 3

ZOOLOGY 500 Undergraduate Neurobiology Seminar 1

Distributed Neuroscience—three courses from: 3

BIOCHEM 375 Special Topics (Molecular Control of Metabolism and Metabolic Disease) ¹

BIOCHEM 501 Introduction to Biochemistry ¹

BIOCHEM 508 General Biochemistry II ¹

BIOCHEM/
PHMCOL-M/
ZOOLOGY 630

Cellular Signal Transduction Mechanisms ¹

CS&D 210 Neural Basis of Communication

CS&D 503 Neural Mechanisms of Speech, Hearing and Language

ED PSYCH 326 Mind, Brain and Education

GENETICS 520 Neurogenetics

KINES 531	Neural Control of Movement
NTP/ NEURODPT 610	Cellular and Molecular Neuroscience
NTP/ZOOLOGY 616	Lab Course in Neurobiology and Behavior
NTP/ NEURODPT 629	Molecular and Cellular Mechanisms of Memory
NTP/ NEURODPT 630	Neuronal Mechanisms for Sensation and Memory in Cerebral Cortex
NTP/ MED PHYS 651	Methods for Neuroimaging Research
NTP 670	Stem Cells and the Central Nervous System
NTP 675	Special Topics (Functional Brain Imaging of Cognitive Disorders)
NTP 675	Special Topics (Molecular Mechanisms of Brain Damage)
NTP 675	Special Topics (Neuroendocrinology)
NTP 675	Special Topics (Reproductive Neuroendocrinology)
NTP 675	Special Topics (Brain Mapping in Health and Disease: Applications)
NTP 677	Basic Sleep Mechanisms and Sleep Disorders: from Neurobiology to Sleep Medicine
PHM SCI/ PHMCOL-M 521	Pharmacology I
ANAT&PHY 335	Physiology ¹
ANAT&PHY 435	Fundamentals of Human Physiology ¹
NEURODPT 533	Molecular Physiology
PSYCH 406	Psychology of Perception
PSYCH 414	Cognitive Psychology
PSYCH 513	Hormones, Brain, and Behavior
PSYCH 601	Current Topics in Psychology (Epigenetics and the Brain)
PSYCH 601	Current Topics in Psychology (Neuropharmacology)
PSYCH 601	Current Topics in Psychology (Neural Basis of Cognitive Control)
PSYCH 601	Current Topics in Psychology (Neuroeconomics)
PSYCH 606	Hormones and Behavior
PSYCH/ NEURODPT/ NTP 611	Systems Neuroscience
ZOOLOGY 555	Laboratory in Developmental Biology
ZOOLOGY 603	Endocrinology
ZOOLOGY 604	Computer-based Gene and Disease/ Disorder Research Lab
ZOOLOGY 611	Comparative and Evolutionary Physiology

ZOOLOGY/ ANTHRO/NTP/ PSYCH 619	Biology of Mind
ZOOLOGY/ NTP 620	Neuroethology Seminar
ZOOLOGY 625	Development of the Nervous System
ZOOLOGY 655	Modeling Neurodevelopmental Disease
ZOOLOGY/ NEURODPT/ PSYCH 674	Behavioral Neuroendocrinology Seminar
Total Credits	
	10

¹ Students may apply only one of the following courses toward the major: BIOCHEM 375, BIOCHEM 501, BIOCHEM 508, ANAT&PHY 335, ANAT&PHY 435 B M E/CBE 520, ZOOLOGY 470.

Lab/Research Experience ²

Choose from: Neuroscience Lab, Directed Study, or Thesis.

Code	Title	Credits
Complete one of these options:		
<i>Neuroscience Lab—one course:</i>		
BIOCORE 486	Principles of Physiology Laboratory	
ANAT&PHY 435	Fundamentals of Human Physiology	
PSYCH 621	Mentored Research and Seminar	
ZOOLOGY 555	Laboratory in Developmental Biology	
ZOOLOGY 604	Computer-based Gene and Disease/ Disorder Research Lab	
ZOOLOGY 612	Comparative Physiology Laboratory	
ZOOLOGY/ NEURODPT/ NTP 616	Lab Course in Neurobiology and Behavior	
<i>Directed Study—3 credits from:</i> ³		
ANATOMY 699	Independent Study	
ANESTHES 699	Independent Study	
BIOCHEM 699	Special Problems	
BIOLOGY 699	Directed Studies	
BMOLCHEM 699	Special Research Problems	
CBE 699	Advanced Independent Studies	
CHEM 699	Directed Study	
COMP BIO 699	Directed Study	
CRB 699	Independent Study	
CS&D 699	Directed Study	
ED PSYCH 699	Independent Reading Undergrad	
FAM MED 699	Directed Study	
GENETICS 699	Special Problems	
H ONCOL 699	Independent Study in Human Cancer Biology	
KINES 699	Independent Study	
MED PHYS 699	Independent Reading or Research	
MEDICINE 699	Independent Study	
MED SC-V 669	Small Animal Cardiology Rotation	

M M & I 699	Directed Study
MOL BIOL 699	Directed Studies in Molecular Biology
NEURSURG 699	Neurosurgery: Directed in Study in Research
NEUROL 699	Neurology: Directed Study in Neuroscience Research
NEURODPT 699	Independent Work
NUTR SCI 699	Special Problems
OBS&GYN 699	Directed Study
ONCOLOGY 699	Special Research Problems
OPHTHALM 699	Directed Study
PATH 699	Independent Study
PATH-BIO 699	Directed Study
PEDIAT 699	Independent Study
PHM SCI 699	Advanced Independent Study
PHYSIOL 699	Independent Work
POP HLTH 699	Independent Reading
PSYCH 699	Directed Study
PSYCHIAT 699	Independent Study
SURGERY 699	Independent Study
ZOOLOGY 699	Directed Studies in Zoology

Thesis—two semesters:

PSYCH 681 & PSYCH 682	Senior Honors Thesis and Senior Honors Thesis
ZOOLOGY 691 & ZOOLOGY 692	Senior Thesis and Senior Thesis

² Lab courses may also be those that apply in the Neurobiology category above.

³ Only Directed Study courses taken **after**—and not concurrent with or prior to—the completion of an Introductory Biology sequence are accepted in the major.

Electives

Additional credits from Neurobiology, Lab, or the following list, to attain 30 credits in the major:

Code	Title	Credits
ANAT&PHY 435	Fundamentals of Human Physiology	
AN SCI/ DY SCI 362	Veterinary Genetics	
AN SCI/ DY SCI 434	Reproductive Physiology	
AN SCI/ F&W ECOL/ ZOOLOGY 520	Ornithology	
AN SCI/ GENETICS 610	Quantitative Genetics	
ANATOMY 329	Human Anatomy-Kinesiology	
BIOCHEM 507	General Biochemistry I	
BIOCHEM 508	General Biochemistry II	
BIOCHEM/ NUTR SCI 510	Nutritional Biochemistry and Metabolism	

BIOCHEM 601	Protein and Enzyme Structure and Function
BIOCHEM/ GENETICS/ MICROBIO 612	Prokaryotic Molecular Biology
BIOCHEM/ GENETICS/ MD GENET 620	Eukaryotic Molecular Biology
BIOCHEM 625	Mechanisms of Action of Vitamins and Minerals
BIOCHEM/ PHMCOL-M/ ZOOLOGY 630	Cellular Signal Transduction Mechanisms
BMOLCHEM 314	Introduction to Human Biochemistry
BMOLCHEM 503	Human Biochemistry
BMOLCHEM 504	Human Biochemistry Laboratory
F&W ECOL 401	Physiological Animal Ecology
GENETICS 466	Principles of Genetics
GENETICS 545	Genetics Laboratory
GENETICS/ MD GENET/ ZOOLOGY 562	Human Cytogenetics
GENETICS/ MD GENET 565	Human Genetics
GENETICS/ MICROBIO 607	Advanced Microbial Genetics
GENETICS/ BIOCHEM/ MD GENET 620	Eukaryotic Molecular Biology
KINES 314	Physiology of Exercise
M M & I 301	Pathogenic Bacteriology
M M & I 302	Medical Microbiology Laboratory
M M & I 341	Immunology
M M & I/ENTOM/ PATH-BIO/ ZOOLOGY 350	Parasitology
M M & I/ PATH-BIO/ ZOOLOGY 351	Parasitology Laboratory
M M & I 410	Medical Mycology
M M & I 412	Medical Mycology Laboratory
M M & I/PATH- BIO 529	Immunology Laboratory
M M & I/ BIOCHEM 575	Biology of Viruses
MICROBIO 303	Biology of Microorganisms
MICROBIO 304	Biology of Microorganisms Laboratory
MICROBIO 330	Host-Parasite Interactions
MICROBIO 450	Diversity, Ecology and Evolution of Microorganisms
MICROBIO 470	Microbial Genetics & Molecular Machines
MICROBIO/ SOIL SCI 523	Soil Microbiology and Biochemistry

MICROBIO 526	Physiology of Microorganisms
MICROBIO 527	Advanced Laboratory Techniques in Microbiology
MICROBIO/ M M & I/PATH- BIO 528	Immunology
MICROBIO 551	Capstone Research Project in Microbiology
MICROBIO/ ONCOLOGY/ PL PATH 640	General Virology-Multiplication of Viruses
MICROBIO/ BMOLCHEM 668	Microbiology at Atomic Resolution
NTP/NEURODPT/ PSYCH 611	Systems Neuroscience
NTP 660	Neuroscience & Public Policy Seminar
NEURODPT 533	Molecular Physiology
NUTR SCI 431	Nutrition in the Life Span
NUTR SCI 631	Clinical Nutrition I
NUTR SCI/ PHM PRAC 672	Herbals, Homeopathy, and Dietary Supplements
ONCOLOGY 401	Introduction to Experimental Oncology
ONCOLOGY/ MICROBIO/ PL PATH 640	General Virology-Multiplication of Viruses
PHM SCI 558	Laboratory Techniques in Pharmacology and Toxicology
PSYCH 449	Animal Behavior
PSYCH 450	Primates and Us: Insights into Human Biology and Behavior
PSYCH/ ZOOLOGY 550	Animal Communication and the Origins of Language
ZOOLOGY/ ANTHRO/ BOTANY 410	Evolutionary Biology
ZOOLOGY 425	Behavioral Ecology
ZOOLOGY 430	Comparative Anatomy of Vertebrates
ZOOLOGY 470	Introduction to Animal Development
ZOOLOGY/ GEOSCI 541	Paleobiology
ZOOLOGY/ GEOSCI 542	Invertebrate Paleontology
ZOOLOGY 555	Laboratory in Developmental Biology
ZOOLOGY 570	Cell Biology

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all major courses
- 2.000 GPA on 15 upper-level major credits, taken in residence⁴
- 15 credits in the major, taken on the UW–Madison campus

⁴ Major courses numbered 300–699 are considered upper-level.

HONORS IN THE MAJOR

Students may declare Honors in the Neurobiology Major in consultation with the Neurobiology undergraduate advisor(s).

HONORS IN THE NEUROBIOLOGY MAJOR REQUIREMENTS

To earn Honors in the Major in Neurobiology, students must satisfy both the requirements for the major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.300 GPA for all major courses
- Complete 14 credits, taken for Honors, with individual grades of B or better, while in residence, to include:
 - Two courses from PSYCH 454, ZOOLOGY/PSYCH 523, and ZOOLOGY 500
 - One course from the Required Neuroscience or Distributed Neuroscience course lists (above), taken for honors credit
 - A two-semester Senior Honors Thesis, typically 681 and 682, for a total of 6 credits from:

Code	Title	Credits
BIOCHEM 681 & BIOCHEM 682	Senior Honors Thesis and Senior Honors Thesis	
BIOLOGY 681 & BIOLOGY 682	Senior Honors Thesis and Senior Honors Thesis	
CHEM 681 & CHEM 682	Senior Honors Thesis and Senior Honors Thesis	
CS&D 681 & CS&D 682	Senior Honors Thesis and Senior Honors Thesis	
GENETICS 681 & GENETICS 682	Senior Honors Thesis and Senior Honors Thesis	
H ONCOL 681 & H ONCOL 682	Senior Honors Thesis in Human Oncology 1 and Senior Honors Thesis in Human Oncology 2	
MOL BIOL 681 & MOL BIOL 682	Senior Honors Thesis and Senior Honors Thesis	
NUTR SCI 681 & NUTR SCI 682	Senior Honors Thesis and Senior Honors Thesis	
PSYCH 681 & PSYCH 682	Senior Honors Thesis and Senior Honors Thesis	
ZOOLOGY 681 & ZOOLOGY 682	Senior Honors Thesis and Senior Honors Thesis	

The Senior Honors Thesis project must be approved by the Neurobiology Major Program Committee at least one month before beginning the first course (681). The project must focus on its relevance to a neuroscience-related topic.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.

Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

1. Demonstrate understanding of basic concepts in biology, chemistry, mathematics, statistics, and physics.
2. Demonstrate understanding of the ionic basis for the neuronal membrane potential and action potential, and as well as the factors that determine neuronal excitability.
3. Demonstrate understanding of the basic mechanisms for synaptic transmission, neurotransmitter release, postsynaptic effects, and modulation of pre- and postsynaptic mechanisms. Predict how specific physiological and pathological conditions alter neuronal function at the cellular and synaptic levels.
4. Differentiate between examples of neuroplasticity at cellular, systems, and organismal levels.
5. Demonstrate understanding of central and peripheral neuroanatomy, basic functions of brain regions, and well-known neural pathways. Predict how localized disruptions of neuronal function alter behavior, motor function, or perception.
6. Demonstrate understanding of basic principles underlying motor function, sensory function (auditory, visual, touch, taste), emotion, autonomic regulation, and higher order cognitive functions (language, memory, attention, decision-making).
7. Demonstrate how experimental tools in neuroscience are used to address experimental questions, such as intra/extracellular recording, molecular biology techniques, immunohistochemical staining, fluorescent and electron microscopy, genetic manipulation, brain imaging, behavioral testing.

FOUR-YEAR PLAN

Freshman		
Fall	Credits Spring	Credits
Communication A	3 Foreign Language (if required)	4
Quantitative Reasoning A	3 Ethnic Studies	3
Foreign Language (if required)	4 MATH 221 ²	5
CHEM 103 or 109	4 CHEM 104	5
	14	17

Sophomore

Fall	Credits Spring	Credits
BIOLOGY/BOTANY/ ZOOLOGY 151	5 BIOLOGY/BOTANY/ ZOOLOGY 152	5
CHEM 343	3 CHEM 345	3
INTER-LS 210	1 Social Science Breadth	3
PHYSICS 207	5 PHYSICS 208	5
	14	16

Junior

Fall	Credits Spring	Credits
Declare the Major ¹	PSYCH 454	3-4
ZOOLOGY/PSYCH 523	3 Distributed Neuroscience Course	2-4
STAT 371 ³	3 Literature Breadth	3
Humanities Breadth	3 Social Science Breadth	3
Social Science Breadth	3 Major Elective	3
Literature Breadth	3	
	15	16

Senior

Fall	Credits Spring	Credits
Distributed Neuroscience Course	3-4 ZOOLOGY 500	1
Social Science Breadth	3 Distributed Neuroscience Course	3-4
Electives	7 Humanities Breadth Social Science Breadth Electives	3 3 3
	14	14

Total Credits 120

It is recommended that students in the Neurobiology major participate in multiple semesters of research.

¹ Students must declare a major by the time they reach 86 credits.

² This requirement also fulfills I/A COMP SCI, MATH, or STAT required for the BS.

ADVISING AND CAREERS

NEUROBIOLOGY MAJOR ADVISING

The advisors for the neurobiology major are committed to providing students with first-rate guidance through the major and to graduation. Also the neurobiology major advisors are dedicated to helping a student focus their future plans after undergraduate study. If you are interested in declaring the neurobiology major, make an appointment to discuss this.

CONTACT INFORMATION

Catherine Auger
 Birge Hall, Room B156
 430 Lincoln Drive
 cauger@wisc.edu
 Scheduling Assistant (<https://calendar.wisc.edu/scheduling-assistant/public/profiles/GvjvmzDO.html>)

Virginia Jackson
 Birge Hall, Room 141

430 Lincoln Drive
 vjackson4@wisc.edu
 Scheduling Assistant (<https://calendar.wisc.edu/scheduling-assistant/public/profiles/aBNbotSX.html?jsessionid=53F9D957BE6099BCF895E0A8487F3B94.primary>)
 India Viola
 Birge Hall, Room 244
 430 Lincoln Drive
 irviola@wisc.edu
 Scheduling Assistant (<https://calendar.wisc.edu/scheduling-assistant/public/profiles/nPLtQRRK.html>)

L&S CAREER RESOURCES

SuccessWorks at the College of Letters & Science helps students leverage the academic skills learned in their major, certificates, and liberal arts degree; explore and try out different career paths; participate in internships; prepare for the job search and/or graduate school applications; and network with professionals in the field (alumni and employers). In short, SuccessWorks helps students in the College of Letters & Science discover themselves, find opportunities, and develop the skills they need for success after graduation.

SuccessWorks can also assist students in career advising, résumé and cover letter writing, networking opportunities, and interview skills, as well as course offerings for undergraduates to begin their career exploration early in their undergraduate career.

Students should set up their profiles in Handshake (<https://careers.ls.wisc.edu/handshake>) to take care of everything they need to explore career events, manage their campus interviews, and **apply to jobs and internships from 200,000+ employers around the country.**

- SuccessWorks (<https://careers.ls.wisc.edu>)
- Set up a career advising appointment (<https://careers.ls.wisc.edu/make-an-appointment>)
- INTER-LS 210 L&S Career Development: Taking Initiative (1 credit, targeted to first- and second-year students)—for more information, see Inter-LS 210: Career Development, Taking Initiative (<https://careers.ls.wisc.edu/inter-ls-210-career-development-taking-initiative>)
- INTER-LS 215 Communicating About Careers (3 credits, fulfills Com B General Education Requirement)
- Handshake (<https://careers.ls.wisc.edu/handshake>)
- Learn how we're transforming career preparation: L&S Career Initiative (<http://ls.wisc.edu/lsci>)

PEOPLE

Professors Hardin (chair, jddhardin@wisc.edu), Bement, Blair, Gammie, Halloran, Ives, Lee, Newmark, Porter, Ritters, Stanley, Stretton, Turner and Vander Zanden

Associate Professors Amann, Damschen, Grinblat, and Orrock

Assistant Professors Dugan, Sharma and Wolman

Adjunct Professor Peckarsky

Neurobiology Major Programming Committee: Professors Gammie (Integrative Biology, Chair), Bakshi (Psychiatry), Dent (Neuroscience), Postle (Psychology).