



University of Montana - Four-Year Academic Plan 2023-2024

College of Humanities and Sciences

Neuroscience B.S. - Cellular and Molecular Concentration

This is an example of a four year graduation plan for a degree in Neuroscience.

This is a sample academic plan. Students should meet with an academic advisor prior to registration to formulate their own plan.

| Year 1 | | Year 2 | | Year 3 | | Year 4 | |
|---|-----------|--|-----------|--|-----------|--|------------|
| Fall | | Fall | | Fall | | Fall | |
| CHMY 141N/142N - College Chemistry I & Lab | 5 | NEUR 280 - Fundamentals of Neuroscience I | 3 | NEUR 380 - Molecular Neuroscience | 3 | NEUR 458 - Neuro Research (Adv. Writing) | 4 |
| BIOB 160N/161N - Principles of Living Systems | 4 | CHMY 221/222 - Organic Chem I & Lab | 5 | PHSX 205N/206N - Physics w/ Algebra I | 5 | Intersection Course | 3 |
| M 162 - Applied Calculus | 4 | BIOB 260 - Cellular and Molecular Bio | 4 | BCH 480 - Advanced Biochem I | 3 | Upper Division Elective | 6 |
| WRIT 101 or Gen Ed req. | 3 | Gen Ed Req. | 3 | Additional Major Course I Elective | 3 | | |
| Freshman Seminar | 1 | | | Gen Ed Req. | 3 | | |
| Credits | 17 | Credits | 15 | Credits | 17 | Credit | 13 |
| Spring | | Spring | | Spring | | Spring | |
| CHMY 143N/144N - College Chemistry II & Lab | 5 | NEUR 281 - Fundamentals of Neuroscience II | 3 | BCH 482 - Advanced Biochem II | 3 | BIOB 425 - Advanced Cell and Molec Bio | 3 |
| STAT 216 - Statistics | 4 | CHMY 223/224 - Organic Chem II & Lab | 5 | PHSX 207N/208N - Physics w/ Algebra II | 5 | Upper Division Elective | 3 |
| PSYX 100S - Intro to Psychology (Gen Ed req.) | 3 | BIOB 272 - Genetics and Evolution | 4 | BCH 482 - Advanced Biochem II | 3 | Gen Ed Req. | 6 |
| WRIT 101 or Gen Ed req. | 3 | Gen Ed Req. | 3 | Additional Major Course II Elective | 3 | | |
| | | | | Gen Ed Req. | 3 | | |
| Credits | 15 | Credits | 15 | Credits | 17 | Credits | 12 |
| Summer | | Summer | | Summer | | Summer | |
| | | | | | | | |
| Credits | 0 | Credits | 0 | Credits | 0 | Credits | 0 |
| Total Credits | 32 | Total Credits | 62 | Total Credits | 96 | Total Credits | 121 |

Notes:

- The following neuroscience courses fulfill the Additional Major Course I and II elective categories as well as upper division electives: NEUR 441-CNS Diseases, NEUR 491-Neuropharmacology, NEUR 491-Neuroanatomy.
- Students can earn credit undergraduate research in neuroscience (NEUR 390/490) which will count as upper division elective credit.
- The full curriculum for the Neuroscience B.S. - Cell and Molec Concentration can be found online in the UM Course Catalog.

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ElevateU Career Readiness Plan

GRADUATE CAREER-READY BY GETTING INVOLVED IN THE BELOW ACTIVITIES WHILE AT UM.

Discover how your strengths, values, and interests relate to career and education pathways.

- Take the [Strong Interest Inventory](#) or other [career assessments](#) to see what careers may be a good fit for you.*
- Download the [Handshake](#) app and activate your account to explore jobs*
- Attend “[careers and opportunities](#)” fairs and join a [First Time at the Fair](#) tour*
- Join student groups that align with your interests*
- Explore career options at [What Can I Do With This Major?](#) (click on “Major Exploration”)*
- Learn about specific occupations on [O*Net Online](#)
- [Schedule an appointment](#) for Career Planning and Major Exploration

EXPLORE
Pathways for you

Participate in experiential (hands-on) learning to refine your interests and goals.

- Seek and apply for internships or part-time jobs on [Handshake](#)*
- Participate in [Volunteer Programs](#)*
- Consider [studying abroad](#) or at [another US university](#) for a semester or year*
- Consider an [internship abroad](#)*
- Conduct [undergraduate research](#) at UM*
 - Secure a paid [micro-internship](#)
 - Participate in the [Griz Career Skills Program](#)
 - [Schedule an appointment](#) for Internship Search, International Internship Search, National Student Exchange, Job Search Strategies, and Handshake How-To

EXPERIENCE
and Grow

- Meet employers at [career fairs and events](#)*
- Develop a stellar [resume](#) and [cover letter](#)*
- Practice [interview skills](#)
- Learn how to [negotiate your salary](#) and benefits package
- Fine-tune your [LinkedIn](#) profile
- Apply for jobs, graduate/professional school, or national service
- [Schedule an appointment](#) for Resume, Cover letter, Interview Prep, Personal Statement, LinkedIn, Graduate School Planning

ELEVATE
to Your Career

Refine your personal brand and develop stand-out application materials to achieve your goals

EMBRACE
Your Goals

- Strengthen relationships with faculty and supervisors who can guide and recommend you*
 - Connect with alumni in fields or companies of interest through the [Griz Career Network](#)
 - Expand your network to gain insights and support through [LinkedIn](#)
 - Conduct [career conversations](#) with professionals in fields of interest
 - Gain industry and company-specific skills through free [Forage](#) job simulations
 - [Schedule an appointment](#) to discuss Networking Strategies, LinkedIn, Graduate School Planning
- Develop skills and network to help you pursue your goals**

YOUR CAREER SUPPORT OFFICES AT UM

[Experiential Learning & Career Success \(ELCS\)](#) is for all UM students!

Students in the following Schools and Colleges have additional access to the following career services:

- [College of Business Career Development Center](#)
- [Career Trailhead professional readiness program](#)
- [College of Humanities and Sciences Career Planning Center](#)
- [Davidson Honors College Career Development Program](#)
- [School of Law Career Development Office](#)
- [Missoula College Career Services](#)

