



Neuroscience, Molecular and Cellular Neuroscience
 College of Science
 Christine Farris | [979-845-3116](tel:979-845-3116)
bio.tamu.edu

2021-2022 Transfer Course Sheet
 Minimum GPA | 3.0
 Minimum Transferable Hours | 24
 Maximum Transferable Hours | 90
 Second-Choice Major Eligible | YES

Required Coursework for Admission

Course Name	Hrs.	TCCNS	TAMU
Engineering Math I**	4	MATH 2413	MATH 151
Engineering Math II** or Elementary Statistical Inference**	4 or 3	MATH 2414 or MATH 1342 or MATH 1442	MATH 152 or STAT 201
Chemistry I*	4	CHEM 1411 (1311/1111)	CHEM 119
Chemistry II*	4	CHEM 1412 (1312/1112)	CHEM 120
Biology I*	4	BIOL 1406 (1306/1106)	BIOL 111
Biology II*	4	BIOL 1407 (1307/1107)	BIOL 112

- *Courses listed should be completed with a grade of B or better.
- **Courses listed should be completed with a grade of C or better.
- Students who take more applicable courses in the required areas (BIOL, CHEM, and MATH) will have those courses also considered for admission. For example, if a student completes Organic Chemistry prior to applying, those grades will also be considered in the Chemistry grade point average.
- Students may have to complete Trigonometry and Pre-Calculus (MATH 2412) at their institution before taking MATH 2413.
- Trigonometry and Pre-Calculus are transferable courses but **will not** satisfy the Mathematics requirements in this degree plan.
- College Algebra is a transferable course but **will not** satisfy the Mathematics requirements in this degree plan.

The recommendations below represent what a typical TAMU student's schedule looks like during the first four semesters. If working to complete an Associate's Degree before transferring, please align your degree plan to satisfy TAMU degree requirements. You may not have to complete the coursework in the sequence below but this major requires or recommends specific coursework to be completed.

First Year

FALL SEMESTER

TCCNS	TAMU	Course Name	Hrs.
BIOL 1406 (1306/1106)	BIOL 111	Biology I	4
CHEM 1411 (1311/1111)	CHEM 119	Chemistry I	4
MATH 2413	MATH 151	Engineering Math I	4
	core.tamu.edu	Communication	3
Total			15

SPRING SEMESTER

TCCNS	TAMU	Course Name	Hrs.
BIOL 1407 (1307/1107)	BIOL 112	Biology II	4
CHEM 1412 (1312/1112)	CHEM 120	Chemistry II	4
MATH 2414 or MATH 1342 or 1442	MATH 152 or STAT 201	Engineering Math II or Elementary Statistical Inference	4 or 3
	core.tamu.edu	Communication	3
Total			15

Second Year

FALL SEMESTER

TCCNS	TAMU	Course Name	Hrs.
CHEM 2423 (2323/2123)	CHEM 227/237	Organic Chemistry I	4
PHYS 1401 (1301/1101)	PHYS 201	College Physics I	4
	core.tamu.edu	American History	3
GOVT 2305	POLS 206	American National Government	3
Total			14

SPRING SEMESTER

TCCNS	TAMU	Course Name	Hrs.
CHEM 2425 (2325/2125)	CHEM 228/238	Organic Chemistry II	4
PHYS 1402 (1302/1102)	PHYS 202	College Physics II	4
	core.tamu.edu	American History	3
GOVT 2306	POLS 207	State & Local Government	3
Total			14

- BIOL 2401, 2402, 2420 and 2421 will not be acceptable in any of the BIOL degree plans.
- Consider taking courses that fulfill the 6 hours of International and Cultural Diversity and/or Cultural Discourse requirement when completing the Social & Behavioral Sciences, Creative Arts and Language Philosophy & Culture requirements.



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Maximum Transferable Hours | 90
Second-Choice Major Eligible | YES

Coursework Timeline

- Competitive applicants will have the Required coursework completed by the application deadline.
- Applicants to the summer/fall term **may be** asked to submit spring final grades, this is not a guarantee.
- Summer coursework **will not** be considered for summer/fall applicants.
- Fall coursework **will not** be considered for spring applicants.
- Applicants to the spring term should have the Required coursework completed by the end of Summer II semester before applying.

Additional Transfer Requirements

- The Department of Biology is looking for students who are interested in pursuing our degree as a focus. Students should indicate our department as the primary major they are interested in if they wish to be admitted. The essay and supporting materials should reflect that the student is interested in pursuing our degree.
- Meeting minimum requirements **does not** guarantee admission. The entire record is reviewed for consistency in coursework and grades.
- Applicants should be serious about earning a degree in Biology.
- Transfer applicants are instructed **NOT** to accept transfer admission to any major with the expectation of later applying for an on-campus change of major.
- Do not apply to more than one major in the Biology Department. The requirements are the same for all Biology Department majors.

Career & Educational Opportunities

Neuroscience is the study of the nervous system and its impact on behavior and cognitive functions. This interdisciplinary field integrates several disciplines, including psychology, veterinary and human medicine, psychiatry, biology, chemistry, and physics. The BS in Molecular & Cellular Neuroscience (NRSC-MCB) is administered by the Department of Biology. The core courses for this degree will include a foundation in the life sciences, and a foundational sequence in neuroscience that will prepare students for more advanced courses. Students will also complete a first-year seminar in neuroscience to orient them to the major and their course of study. Students will then complete courses focused on biological processes as well as specialized courses focused on molecular and cellular neuroscience. Upon completion of the degree, students will be well prepared for graduate and professional programs, as well as entry to healthcare and technical occupations.

Transfer Course Sheet Notes

1. Admission preference is given to applicants with the highest GPA and the most appropriate courses completed.
2. Transfer applicants are encouraged to complete [University Core Curriculum](#) coursework found in the [Undergraduate Catalog](#) unless specified above.
3. This Transfer Course Sheet was supported in a partnership between the Office of Admissions and the College of Science at Texas A&M University with the Undergraduate Catalog having the most extant and definitive information.