



**NEUROSCIENCE - TRANSLATIONAL AND PRECLINICAL
NEUROSCIENCE TRACK (NRSC-TPC)**
College of Veterinary Medicine & Biomedical Sciences
Contact Person | Dr. Elizabeth Crouch
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bims.tamu.edu/nrsc-tpc/

2021-2022 Transfer Course
Minimum GPA | 3.0
Minimum Transferable Hours | 45
Maximum Transferable Hours | 75
Second-Choice Major Eligible | NO
NOTICE: This major is only open to students at the College Station campus.

Required Coursework for Admission

Course Name	Hrs.	TCCNS	TAMU
Engineering Math I*	4	MATH 2413	MATH 151
Engineering Math II*		MATH 2414	MATH 152
College Physics I	4	PHYS 1401	PHYS 201
College Physics II	4	PHYS 1402	PHYS 202
General Chemistry I	4	CHEM 1411 (1311/1111)	CHEM 119
General Chemistry II	4	CHEM 1412 (1312/1112)	CHEM 120
Organic Chemistry I	4	CHEM 2423	CHEM 227/237
Organic Chemistry II	4	CHEM 2425	CHEM 228/238
Majors Biology I	4	BIOL 1406 (1306/1106)	BIOL 111
Majors Biology II	4	BIOL 1407 (1307/1107)	BIOL 112

- Courses listed above should be completed with a grade of B or better.
- 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.
- Students may have to complete College Algebra (MATH 1314) at their institution before taking MATH 2413.
- 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 specific coursework to be completed (see science and math above).

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
ENGL 1301	ENGL 103	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	MATH 152	Engineering Math II	4
ENGL 1302	ENGL 104	Communication	3
PSYC 2301	PSYC 107	Introduction to Psychology	3
		Total	18

- ENGL 1301 and ENGL 1302 are required in this degree plan.
- PSYC 2301 (PSYC 107) is a required Social and Behavioral Science.

Second Year

FALL SEMESTER

TCCNS	TAMU	Course Name	Hrs.
CHEM 2323/2423	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
	core.tamu.edu	Creative Arts	3
		Total	17

SPRING SEMESTER

TCCNS	TAMU	Course Name	Hrs.
CHEM 2325/2425	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
	core.tamu.edu	Language, Philosophy & Culture	3
		Total	17



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Minimum GPA | 3.0
Minimum Transferable Hours | 45
Maximum Transferable Hours | 75
Second-Choice Major Eligible | NO
NOTICE: This major is only open to students at the College Station campus.

- BIOL 2401 and 2402 will not be acceptable in the NRSC-TPC degree plan.
- Consider taking courses that fulfill the 3 hours of [International and Cultural Diversity requirement](#) and 3 hours of Cultural Discourse [Texas A&M University > Core Curriculum / ICD Search \(tamu.edu\)](#) when completing the Language Philosophy and Culture, Creative Arts, etc. requirements.
- Students may reverse transfer core curriculum courses taken at TAMU in order to keep hours at the community college near 60 hours.

Coursework Timeline

- Competitive applicants will have the Required coursework completed by the application deadline.
- Applicants to the fall term may be asked to submit spring final grades, this is not a guarantee.
- Summer coursework will not be considered for 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

- Transfer applicants should have a 3.0 overall GPA, no more than 75 transferrable hours at the time of application and a B or better in all science courses and a calculus course.
- The NRSC-TPC major 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.

Additional Information

- 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.
- AP/IB credits are acceptable for NRSC-TPC required coursework.
- NRSC-TPC majors are expected to complete: VIBS/NRSC 101 and BIOL 213 prior to the end of the second semester after admission to Texas A&M University.
- Note: PSYC DOUBLE MAJORS/DOUBLE DEGREES/ NRSC and PSYC MINORS ARE NOT ACCEPTED WITH BS-NRSC-TPC.

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, psychiatry, biology, chemistry, physics, and medicine. It is the interdisciplinary nature of neuroscience that requires the participation of multiple units, including the Department of Biology, the Department of Psychological and Brain Sciences, and the College of Veterinary Medicine and Biomedical Sciences in collaboration with Neuroscience and Experimental Therapeutics (NEXT) in offering this degree, as well as the Texas A&M Institute for Neuroscience. Students completing the 120 hour BS in Neuroscience (College Station campus), with an emphasis in Translational and Preclinical Studies, will be well prepared for graduate study, as well as to enter entry-level healthcare and technical occupations. 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. For the concentration of the degree administered by the College of Veterinary Medicine and Biomedical Sciences, in collaboration with the Department of Neuroscience and Experimental Therapeutics in the College of Medicine, students will complete courses focused on biomedical, translational, and preclinical neuroscience. For more information please visit careercenter.tamu.edu.

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 Veterinary Medicine & Biomedical Sciences at Texas A&M University with the Undergraduate Catalog having the most extant and definitive information.

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BIOL 1406 (1306/1106)	BIOL 111	Biology I	4
CHEM 1411 (1311/111)	CHEM 119	Chemistry I	4
MATH 2413	MATH 151	Engineering Math I	4
ENGL 1301	ENGL 103	Communication	3
TOTAL			15