



Geographic Information Science & Technology (GIST)
 College of Geosciences
 Kristi Wolff | geog-advisor@geog.tamu.edu
geography.tamu.edu

2021-2022 Transfer Course Sheet
 Minimum GPA | 2.5
 Minimum Transferable Hours | 24
 Second-Choice Major Eligible | YES

Recommended Coursework for Admission

Course Name	Hrs.	TCCNS	TAMU
Introduction to Physical Geography Introduction to Human Geography World Regional Geography	3-4	GEOG 1301 GEOG1302 GEOG 1303	GEOG 203 GEOG 201 GEOG 202
Math for Business & Social Science	3	MATH 1324	MATH 140
Business Calculus	3	MATH 1325	MATH 142
Approved Science	4	BIOL 1406 (1306/1106) CHEM 1411 (1311/1111) PHYS 1401 (1301/1101) GEOL 1403 (1303/1103)	BIOL 111 CHEM 119 PHYS 201 GEOL 101 OCNG 251/252

- Courses listed should be completed with a grade of C or better.
- Students may have to complete College Algebra (MATH 1314) at their institution before taking MATH 1324 or 1325.
- 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 recommends specific coursework to be completed.

First Year

FALL SEMESTER

TCCNS	TAMU	Course Name	Hrs.
GEOG 1301	GEOG 203	Planet Earth	3
	GEOG 213	Planet Earth Lab	1
MATH 1324	MATH 140	Math for Business & Social Science	3
		*Approved Science – see above	4
	core.tamu.edu	Communication	3
Total			14

SPRING SEMESTER

TCCNS	TAMU	Course Name	Hrs.
GEOG 1302	GEOG 201	Introduction to Human Geography	3
MATH 1325	MATH 142	Business Calculus	3
		*Approved Science – see above	4
	core.tamu.edu	American National Government	3
	core.tamu.edu	Communication	3
Total			16

*See above for a list of approved sciences

Second Year

FALL SEMESTER

TCCNS	TAMU	Course Name	Hrs.
GISC 1401	GEOG 232	Cartography & Visualization	3
GISC 1411	CSCE 110 or CSCE 111	Programming I or Introduction to Computer Science Concepts and Programming	4
	core.tamu.edu	American History	3
GOVT 2306	POLS 207	State & Local Government	3
	core.tamu.edu	Social & Behavioral Sciences	3
Total			16

SPRING SEMESTER

TCCNS	TAMU	Course Name	Hrs.
GOVT 2305	POLS 206	American National Government	3
	core.tamu.edu	Creative Arts	3
	core.tamu.edu	American History	3
	core.tamu.edu	Language, Philosophy & Culture	3
Total			12

- Consider taking courses that fulfill the 6 credit hours of [International and Cultural Diversity and Cultural Discourse](#) requirement when completing the Social and Behavioral Sciences, free electives and Creative Arts requirements.



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Coursework Timeline

- Competitive applicants will have the Recommended 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 Recommended coursework completed by the end of Summer II semester before applying.

Additional Transfer Requirements

- The Department of Geography 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

- Applicants should be serious about earning a degree in Geographic Information Science & Technology (GIST).
- 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.

Career & Educational Opportunities

The GIST program provides students with broad exposure to the geospatial technologies of Geographic Information Systems (GIS), Remote Sensing (RS), and Global Positioning Systems (GPS) as well as applying these technics to specific application areas. This undergraduate degree requires coursework from one of three tracks: Computation, Design, and Analysis (CDA), Earth Systems Analysis (ESA), or Human Systems and Society (HSS). Students receive a rigorous and modern day education and training in GIST with application knowledge in physical and human geography. The **CDA track** is more computational and information technology centered and focuses on addressing technical issues, algorithm development, and software tool development. The **ESA track** is for students interested in studying the Earth sciences and assessing the natural resources of the Earth through a foundation in biogeography, climate, geomorphology, soil science, geology, and ecosystem science. The **HSS track** is for students interested in social sciences, human/environment relationships, and the planning and management of human resources and urban environments. 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 Geosciences at Texas A&M University with the Undergraduate Catalog having the most extant and definitive information.