

TEXAS A&M UNIVERSITY - CORPUS CHRISTI
2020-2021 Undergraduate Catalog
Geographic Information Science Certificate

* Denotes Upper Division

**Some pre-requisites also have additional pre-requisites for eligibility.

The Post-Baccalaureate Certificate in Geographic Information Science (GIS) is designed for students who hold a bachelor's degree or master's degree in fields other than GIS and desire to continue their education in Geographic Information Science. **Candidates for the certificate are required to complete 32 credit hours of GIS related courses; 20 of these credit hours must be taken at Texas A&M University-Corpus Christi.** Students are required to meet all other academic standards. The Coordinator of the Geographic Information Science program or a designee may waive certain courses if a student has previously completed appropriate GIS courses. Students must apply for the certificate and complete a Certificate Plan approved by the Coordinator of the Geographic Information Science program or a designee.

Required GISC Courses			SCH **PRE-REQUISITES		Required GISC course offering term
	GISC 1336	DIGITAL DRAFTING AND DESIGN	3	n/a	SPRING
	GISC 1470	GEOSPATIAL SYSTEMS I	4	n/a	FALL/SPRING
	GISC 2301	GEOSPATIAL SYSTEMS II	3	GISC 1470	SPRING
	GISC 2438	GEOSPATIAL SOFTWARE SYSTEMS I	4	GISC1470 AND COSC 1435	FALL
	*GISC 3300	GEOSPATIAL MATHEMATICAL TECHNIQUES	3	MATH 2413 and *MATH 3342	FALL
	*GISC 3420	GEOSPATIAL SOFTWARE SYSTEMS II	4	GISC 2438	SPRING
	*GISC 3421	VISUALIZATION FOR GIS	4	GISC 2301	SPRING
	*GISC 4431	REMOTE SENSING	4	PHYS 2425, *MATH 3342, AND *GISC 3300	SPRING
	COSC 1435	INTRO TO PROBLEM SOLVING W/COMPUTERS I	4	MATH 1314 UNLESS PLACEMENT BEYOND MATH 1314	FALL/SPRING

33

NOTE:

See additional prerequisites:

<i>Additional required pre-requisites for GISC courses.</i>				<i>Pre-req. to required pre-req.</i>	<i>Required pre-requisite course offering.</i>
DEPENDS ON PLACEMENT IF MATH 1314 NEEDED	MATH 1314	College Algebra	3	TSI College Readiness; or placement above.	FALL/SPRING/(SUMMER VARIES)
	MATH 2413	Calculus I	4	MATH 1314 or MATH 1316 or placement	FALL/SPRING/SSI
	*MATH 3342	Applied Probability & Statistics	3	MATH 2413	FALL/SPRING/(SUMMER VARIES)
	PHYS 2425	University Physics I	4	MATH 2413	FALL/SPRING/(SUMMER VARIES)

http://catalog.tamucc.edu/preview_program.php?catoid=20&poid=2508