

**TEXAS A&M UNIVERSITY - CORPUS CHRISTI**  
**2019-2020 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	<b>MATH 2413 and *MATH 3342</b>	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	<b>PHYS 2425, *MATH 3342, AND GISC 3300</b>	SPRING
	COSC 1435	INTRO TO PROBLEM SOLVING W/COMPUTERS I	4	<b>MATH 1314 UNLESS PLACEMENT BEYOND MATH 1314</b>	FALL/SPRING

33

<b>NOTE:</b> See additional prerequisites:					
	<b>Additional required pre-requisites for GISC courses.</b>			<b>Pre-req. to required prereq.</b>	<b>Required pre-requisite course offering.</b>
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)

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