

TEXAS A&M UNIVERSITY CORPUS CHRISTI  
**MASTER OF SCIENCE IN GEOSPATIAL SYSTEMS ENGINEERING - 2019-2020**

TENTATIVE DEGREE PLAN

**Geospatial Data Science and Analytics**

NAME: \_\_\_\_\_  
 ID: \_\_\_\_\_

<b>CORE COURSES (12 HOURS)</b>			SCHOOL TAKEN AT	GRADE	HRS.	TERM	TERM OFFERED
			IF TRANSFERRED				
GSEN	6365	<u>Spatial Database Design</u>	_____	_____	3	_____	_____
GSEN	6367	<u>Geospatial Data Mining</u>	_____	_____	3	_____	_____
GSEN	6383	<u>Advanced Geospatial Analytics</u>	_____	_____	3	_____	_____
GSEN	6384	<u>Geospatial Visualization Design</u>	_____	_____	3	_____	_____
			<b>TOTAL</b>				

**ELECTIVE COURSES (CHOOSE 12 HOURS IF PURSUING THESIS OPTION, CHOOSE 18 HOURS IF PURSUING PROJECT OPTION)**

Select elective courses in consultation w/ advisory committee

GSEN	6330	<u>Spatial Systems Science</u>	_____	_____	3	_____	_____
GSEN	6355	<u>Geospatial Programming Techniques</u>	_____	_____	3	_____	_____
GSEN	6356	<u>Programming for Geospatial Data Science</u>	_____	_____		_____	_____
GSEN	6370	<u>UAS for Surveying and Mapping</u>	_____	_____	3	_____	_____
GSEN	6371	<u>Geopositioning Systems and Autonomous Navigation</u>	_____	_____	3	_____	_____
GSEN	6380	<u>Applied Geospatial Statistics</u>	_____	_____	3	_____	_____
GSEN	6381	<u>Cadastral Information Systems Design</u>	_____	_____	3	_____	_____
GSEN	6382	<u>Policy and Legal Aspects of Spatial Information Systems</u>	_____	_____	3	_____	_____
GSEN	6385	<u>Photogrammetric Engineering and Lidar Scanning</u>	_____	_____	3	_____	_____
GSEN	6386	<u>Remote Sensing and Image Analysis</u>	_____	_____	3	_____	_____
GSEN	6390	<u>Advanced Topics</u>	_____	_____	3	_____	_____
GSEN	6396	<u>Directed Independent Study</u>	_____	_____	varies	_____	_____

**GRADUATE PROJECT RESEARCH AND PROPOSAL (3 HOURS)**

GSEN	5395	<u>Graduate Research Design</u> (Needs Permission of Faculty Advisor)	_____	_____	3	_____	All
					<b>TOTAL</b>		

**GRADUATE THESIS OR PROJECT (3-9 HOURS)**

***CHOOSE EITHER***

GSEN	5998	<u>GRADUATE THESIS (6 hours minimum)</u>	_____	_____	6	_____	All
GSEN	5998	<u>GRADUATE THESIS (must enroll in 3 hours in final semester)</u>	_____	_____	3	_____	All

***OR***

GSEN	5993	<u>GRADUATE CREATIVE PROJECT</u>	_____	_____	3	_____	All
					<b>TOTAL</b>		

**REQUIREMENT SUMMARY:**

TRANSFER HOURS (MAX 6)	_____	<b>TOTAL HOURS:</b>	<u>36</u>
5000 LEVEL HOURS (MIN 30)	_____		
RESIDENCY HOURS (MIN 30)	_____	<b>GPA (MIN. 3.0):</b>	

Last Reviewed/Revised on: 3/13/2019