

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

TENTATIVE DEGREE PLAN

Geosensing Systems and UAS for Geomatics

NAME: _____
 ID: _____

CORE COURSES (12 HOURS)			SCHOOL TAKEN AT	GRADE	HRS.	TERM	OFFERED
			IF TRANSFER				
GSEN	6370	<u>UAS For Surveying and Mapping</u>	_____	_____	3	_____	_____
GSEN	6371	<u>Geopositioning Systems and Autonomous Navigation</u>	_____	_____	3	_____	_____
GSEN	6385	<u>Photogrammetric Engineering and Lidar Scanning</u>	_____	_____	3	_____	_____
GSEN	6386	<u>Remote Sensing and Image Analysis</u>	_____	_____	3	_____	_____
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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 (prereqs MATH 6316 and working knowledge of ArkView /ArcGIS)</u>	_____	_____	3	_____	_____
GSEN	6355	<u>Geospatial Programming Techniques</u>	_____	_____	3	_____	Fall
GSEN	6356	<u>Programming for Geospatial Data Science</u>	_____	_____	_____	_____	_____
GSEN	6365	<u>Spatial Database Design</u>	_____	_____	3	_____	Spring
GSEN	6367	<u>Geospatial Data Mining</u>	_____	_____	3	_____	Spring
GSEN	6380	<u>Applied Geospatial Statistics</u>	_____	_____	3	_____	_____
GSEN	6381	<u>Cadastral Information Systems Design</u>	_____	_____	3	_____	Spring odd
GSEN	6382	<u>Policy and Legal Aspects of Spatial Information Systems</u>	_____	_____	3	_____	Fall
GSEN	6383	<u>Advanced Geospatial Analytics</u>	_____	_____	3	_____	Fall
GSEN	6384	<u>Geospatial Visualization Design</u>	_____	_____	3	_____	Fall
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
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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
<i>OR</i>							
GSEN	5993	<u>GRADUATE CREATIVE PROJECT</u>	_____	_____	3	_____	All

REQUIREMENT SUMMARY:

TRANSFER HOURS (MAX 6)	_____	TOTAL HOURS:
5000 LEVEL HOURS (MIN 30)	_____	
RESIDENCY HOURS (MIN 30)	_____	GPA (MIN. 3.0):

Last Reviewed/Revised on: 3/13/2019