

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

Catalog 2020-2021

**Geosensing Systems and UAS for Geomatics (GSUG)**

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

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

**CORE COURSES (12 HOURS)**

		GRADE	HRS.	TERM
GSEN 6370	<u>UAS For Surveying and Mapping (Spring)</u>	_____	3	_____
GSEN 6371	<u>Geopositioning Systems and Autonomous Navigation (Fall)</u>	_____	3	_____
GSEN 6385	<u>Photogrammetric Engineering and Lidar Scanning</u>	_____	3	_____
GSEN 6386	<u>Remote Sensing and Image Analysis (Fall)</u>	_____	3	_____

**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 (Fall)</u>	_____	3	_____
GSEN 6356	<u>Programming for Geospatial Data Science</u>	_____	3	_____
GSEN 6365	<u>Spatial Database Design (Spring)</u>	_____	3	_____
GSEN 6367	<u>Geospatial Data Mining (Spring)</u>	_____	3	_____
GSEN 6380	<u>Applied Geospatial Statistics</u>	_____	3	_____
GSEN 6381	<u>Cadastral Information Systems Design (spring odd years)</u>	_____	3	_____
GSEN 6382	<u>Policy and Legal Aspects of Spatial Information Systems (Fall)</u>	_____	3	_____
GSEN 6383	<u>Advanced Geospatial Analytics (Fall)</u>	_____	3	_____
GSEN 6384	<u>Geospatial Visualization Design (Fall)</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	_____
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**GRADUATE THESIS OR PROJECT (3-9 HOURS)**

*CHOOSE EITHER*

GSEN 5998	<u>GRADUATE THESIS (6 hours minimum) (GSEN 6995 is prerequisite)</u>	_____	6	_____
GSEN 5998	<u>GRADUATE THESIS (must enroll in 3 hours in final semester per catalog)</u>	_____	3	_____
<b>OR</b>				
GSEN 5993	<u>GRADUATE CREATIVE PROJECT (GSEN 6995 is prerequisite)</u>	_____	3	_____

**REQUIREMENT SUMMARY:**

	TRANSFER HOURS (MAX 6) _____	<b>TOTAL HOURS:</b>
	Min Hours: 36 _____	<b>GPA (MIN. 3.0):</b>
Graduate Advisory Committee Chair: _____		

Last Reviewed/Revised on: #####