

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

Catalog: 2021-2022

**Geospatial Data Science and Analytics (GDSA)**

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

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

**CORE COURSES (12 HOURS)**

		GRADE	HRS.	TERM
GSEN 6365	<u>Spatial Database Design (Spring)</u>	_____	3	_____
GSEN 6367	<u>Geospatial Data Mining (Spring)</u>	_____	3	_____
GSEN 6383	<u>Advanced Geospatial Analytics (Fall)</u>	_____	3	_____
GSEN 6384	<u>Geospatial Visualization Design (Fall)</u>	_____	3	_____
		<b>TOTAL</b>	_____	

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

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 6370	<u>UAS for Surveying and Mapping (Spring)</u>	_____	3	_____
GSEN 6371	<u>Geopositioning Systems and Autonomous Navigation (Fall)</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 6385	<u>Photogrammetric Engineering and Lidar Scanning</u>	_____	3	_____
GSEN 6386	<u>Remote Sensing and Image Analysis (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)	_____
Min plan hours: 36	_____
<b>TOTAL HOURS:</b>	_____
<b>GPA (MIN. 3.0):</b>	_____

Print Name/Sign: \_\_\_\_\_

Student \_\_\_\_\_

GAC Chair \_\_\_\_\_

Program Coordinator \_\_\_\_\_