TEXAS A&M UNIVERSITY CORPUS CHRISTI

MASTER OF SCIENCE IN GEOSPATIAL SYSTEMS ENGINEERING

Catalog: 2020-2021

Geospatial Data Science and Analytics (GDSA)

NAME: _____

ID: _____

CORE COURSES (12 HOURS)		GRADE	HRS.	TERM
GSEN 6365	Spatial Database Design (Spring)		3	
GSEN 6367	Geospatial Data Mining (Spring)		3	
GSEN 6383	Advanced Geospatial Analytics (Fall)		3	
GSEN 6384	Geospatial Visualization Design (Fall)		3	
		TOTAL		

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

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

GRADUATE PROJECT RESEARCH AND PROPOSAL (3 HOURS)

GSEN 5395	Graduate Research Design (Needs Permission of Faculty Advisor)		3	

GRADUATE THESIS OR PROJECT (3-9 HOURS)

CHOOSE EITHER

GSEN 5998	GRADUATE THESIS (6 hours minimum) (GSEN 6995 is prerequisite)		6	
GSEN 5998	GRADUATE THESIS (must enroll in 3 hours in final semester per catalog)		3	

OR

GSEN 5993	GRADUATE CREATIVE PROJECT (GSEN 6995 is prerequisite)		3	

REQUIREMENT SUMMARY:

TRANSFER HOURS (MAX 6) **TOTAL HOURS:**

Min plan hours: 36

GPA (MIN. 3.0)**:**

Graduate Advisory Committee Chair:

Last Reviewed/Revised on: