

2009-2010

COMPUTER AIDED DRAFTING AND DESIGN TECHNOLOGY

Associate of Applied Science

Specialization: **Geographic Information Systems**

STUDENT NAME _____ SS# _____
 ADDRESS _____ CITY, STATE, & ZIP CODE _____
 TELEPHONE (DAY) _____ EVE _____ ENROLLMENT DATE _____

PLACEMENT TESTING:

Alternative Exam:	Read	Writing	Math	*TSI COMPLETE/EXEMPT/WAIVED DATE: _____
Accuplacer/ASSET/COMPASS/THEA	_____	_____	_____	
ACT	_____	_____	_____	
SAT	_____	_____	_____	

*Texas Success Initiative Rules

DEVELOPMENTAL COURSES (enter grade) _____ Orin 101 - College Success
 Reading: _____ None _____ READ 70 _____ READ 80 _____ READ 90 _____ Non Course Remediation
 Writing: _____ None _____ ENGL 71 _____ ENGL 81 _____ ENGL 91 _____ Non Course Remediation
 Math: _____ None _____ MATH 80 _____ MATH 85 _____ MATH 90 _____ Non Course Remediation

Major Courses			SCH	COLLEGE	SEM/YR	GRADE	COMMENTS
FIRST SEMESTER - FALL SEMESTER							
<u>MATH</u>	<u>1414</u>	<u>College Algebra</u>	4				
<u>COSC</u>	<u>1301</u>	<u>Microcomputer Applications or ITSC 1409</u>	3 or 4				
<u>GISC</u>	<u>1311</u>	<u>Introduction to Geographic Information Systems</u>	3				
<u>GISC</u>	<u>1321</u>	<u>Introduction to Raster-Based GIS</u>	3				
<u>DFTG</u>	<u>1309</u>	<u>Basic Computer-Aided Drafting</u>	3				
SECOND SEMESTER - SPRING SEMESTER							
<u>GISC</u>	<u>2320</u>	<u>Intermediate Geographic Information Systems</u>	3				
<u>GISC</u>	<u>2303</u>	<u>Fundamentals of Logistics with GIS</u>	3				
<u>DFTG</u>	<u>2319</u>	<u>Intermediate Computer-Aided Drafting</u>	3				
<u>GISC</u>	<u>1301</u>	<u>Cartography & Geography in GIS and GPS</u>	3				
<u>SPCH</u>	<u>1311</u>	<u>Introduction to Speech Communication</u>	3				
FIRST YEAR - SUMMER							
<u>DFTG</u>	<u>2321</u>	<u>Topographical Drafting</u>	3				
<u>GISC</u>	<u>2311</u>	<u>Geographic Information System (GIS) Applications</u>	3				
<u>GISC</u>	<u>2359</u>	<u>Web-Served Geographic Information Systems (GIS)</u>	3				
<u>ITSE</u>	<u>1411</u>	<u>Beginning Web Page Programming</u>	4				
<u>PSYC</u>	<u>2301</u>	<u>General Psychology or SOCI 1301</u>	3				
SECOND YEAR - FALL SEMESTER							
<u>GISC</u>	<u>2404</u>	<u>GIS Design with Vector Analysis</u>	4				
<u>ITSE</u>	<u>2409</u>	<u>Database Programming</u>	4				
<u>DFTG</u>	<u>2335</u>	<u>Programming for GIS</u>	3				
<u>ENGL</u>	<u>1301</u>	<u>Composition</u>	3				
SECOND YEAR - SPRING SEMESTER							
		<u>**Program Elective</u>	3				
		<u>Humanities Elective</u>	3				
<u>GISC</u>	<u>2364</u>	<u>CAPSTONE: GIS Practicum</u>	3				

IDENTIFIES COURSES TO FULFILL MINIMUM 15 HOURS GENERAL EDUCATION REQUIREMENT

** See back of degree plan for Program Elective Options.

STUDENT'S SIGNATURE _____ DATE _____ FACULTY/ADVISOR'S SIGNATURE _____ DATE _____

2009-2010 CADD AAS - Specialization: Geographic Information Systems

PRE-REQUISITES:

MATH	1414	COLLEGE ALGEBRA <i>Prerequisite: A score of 68+ on the Elementary Algebra ACCUPLACER Exam, or a score of 63+ on the CLM ACCUPLACER Exam; or completion of MATH 0090 with a grade of "P", "C" or better, or equivalent.</i>
COSC	1301	MICROCOMPUTER APPLICATIONS <i>Prerequisite: Successful completion of READ 0090 or equivalent.</i>
ITSC	1409	INTEGRATED SOFTWARE APPLICATIONS I <i>Prerequisite: Successful completion READ 0080 or equivalent.</i>
GISC	1311	INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS <i>Prerequisite: Completion of, or concurrent enrollment in, DFTG 1309.</i>
GISC	1321	INTRODUCTION TO RASTER-BASED GIS <i>Prerequisite: Completion of or concurrent enrollment in GISC 1311.</i>
DFTG	1309	BASIC COMPUTER-AIDED DRAFTING <i>Prerequisite: Completion of or concurrent enrollment in DFTG 1305 or ARTC 1321.</i>
GISC	2320	INTERMEDIATE GEOGRAPHIC INFORMATION SYSTEMS <i>Prerequisite: Completion of GISC 1311 and DFTG 1309.</i>
GISC	2303	FUNDAMENTALS OF LOGISTICS WITH GIS <i>Prerequisite: GISC 1311 and GISC 1321.</i>
DFTG	2319	INTERMEDIATE COMPUTER-AIDED DRAFTING <i>Prerequisite: DFTG 1305, DFTG 1309, or ARTC 1321.</i>
GISC	1301	CARTOGRAPHY & GEOGRAPHY IN GIS AND GPS <i>Prerequisite: Completion of or concurrent enrollment in GISC 2320.</i>
SPCH	1311	INTRODUCTION TO SPEECH COMMUNICATION <i>Prerequisite: Completion to READ 0080 or equivalent.</i>
DFTG	2321	TOPOGRAPHICAL DRAFTING <i>Prerequisite: DFTG 1309.</i>
GISC	2311	GEOGRAPHIC INFORMATION SYSTEMS (GIS) APPLICATIONS <i>Prerequisite: GISC 1301, GISC 1321, and DFTG 2319.</i>
GISC	2359	WEB-SERVED GEOGRAPHIC INFORMATION SYSTEMS (GIS) <i>Prerequisite: Completion of or concurrent enrollment in GISC 2320, GISC 2303, ITSE 1411.</i>
ITSE	1411	BEGINNING WEB PAGE PROGRAMMING <i>Prerequisite: Completion of READ 0080 or equivalent.</i>
PSYC	2301	GENERAL PSYCHOLOGY <i>Prerequisite: Completion of READ 0080 with a grade of "C" or better or equivalent.</i>
SOCI	1301	INTRODUCTORY SOCIOLOGY <i>Prerequisite: Completion of READ 0080 with a grade of "C" or better or equivalent.</i>
GISC	2404	GIS DESIGN WITH VECTOR ANALYSIS <i>Prerequisite: GISC 1321, GISC 2303, and GISC 2359.</i>
ITSE	2409	DATABASE PROGRAMMING <i>Prerequisite: ITSC 1409.</i>
GISC	2335	PROGRAMMING FOR GIS <i>Prerequisite: Completion of or concurrent enrollment in GISC 2359 and ITSE 2409.</i>
ENGL	1301	COMPOSITION <i>Prerequisite: A score of 60+/E-6, E-7, E-8 or 80+/E-5 on the ACCUPLACER Exam for Writing, equivalent placement score, or completion of ENGL 0091 with a grade of "C" or better; and a score of 61 on the ACCUPLACER Exam for Reading, the completion of READ 0080 or equivalent.</i>
GISC	2364	CAPSTONE: GIS PRACTICUM <i>Prerequisite: GISC 1311, GISC 2311, ITSE 2409.</i>

HUMANITIES ELECTIVE - 3 CREDITS (Depending on the course, check the catalog for pre-requisites.)

****Prerequisites for Program Elective Options:**

SRVY 1342 GPS TECHNIQUES FOR SURVEYING AND MAPPING

Prerequisite: SRVY 1313 and DFTG 2330.

SRVY 1315 SURVEYING CALCULATIONS I

Prerequisite: DFTG 1309, MATH 1414 or TECM 1303.

DFTG 2330 CIVIL DRAFTING

Prerequisite: SRVY 1313 and DFTG 2321.

DFTG 2340 SOLID MODELING AND DESIGN

Prerequisite: DFTG 1317 and DFTG 2319.