

2008-2009

**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: _____  *Texas Success Initiative Rules
Accuplacer/ASSET/COMPASS/THEA	_____	_____	_____	
ACT	_____	_____	_____	
SAT	_____	_____	_____	

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
<b>FIRST SEMESTER - FALL SEMESTER</b>							
<u>MATH</u>	<u>1414</u>	<u>College Algebra</u>	4				
<u>COSC</u>	<u>1301</u>	<u>Microcomputer Applications</u>	3				
<u>GISC</u>	<u>1311</u>	<u>Introduction to Geographic Information Systems</u>	3				
<u>DFTG</u>	<u>1305</u>	<u>Technical Drafting</u>	3				
<u>DFTG</u>	<u>1309</u>	<u>Basic Computer-Aided Drafting</u>	3				
<b>SECOND SEMESTER - SPRING SEMESTER</b>							
<u>GISC</u>	<u>2320</u>	<u>Intermediate Geographic Information Systems</u>	3				
<u>SRVY</u>	<u>1315</u>	<u>Surveying Calculations I</u>	3				
<u>DFTG</u>	<u>2319</u>	<u>Intermediate Computer-Aided Drafting</u>	3				
<u>GISC</u>	<u>1301</u>	<u>Cartography &amp; Geography in GIS and GPS</u>	3				
<u>SPCH</u>	<u>1311</u>	<u>Introduction to Speech Communication</u>	3				
<b>FIRST YEAR - SUMMER</b>							
<u>DFTG</u>	<u>2321</u>	<u>Topographical Drafting</u>	3				
<u>SRVY</u>	<u>1313</u>	<u>Plane Surveying</u>	3				
<u>GISC</u>	<u>1321</u>	<u>Introduction to Raster-Based GIS</u>	3				
<u>ITSE</u>	<u>1431</u>	<u>Intro. To Visual Basic Programming</u>	4				
<u>PSYC</u>	<u>2301</u>	<u>General Psychology or SOCI 1301</u>	3				
<b>SECOND YEAR - FALL SEMESTER</b>							
<u>GISC</u>	<u>2311</u>	<u>Geographic Information System (GIS) Applications</u>	3				
<u>ITSE</u>	<u>2409</u>	<u>Database Programming</u>	4				
<u>GISC</u>	<u>2301</u>	<u>Data Acquisition and Analysis in GIS/GPS</u>	3				
<u>DFTG</u>	<u>2330</u>	<u>Civil Drafting</u>	3				
<u>ENGL</u>	<u>1301</u>	<u>Composition</u>	3				
<b>SECOND YEAR - SPRING SEMESTER</b>							
		<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 \_\_\_\_\_

**2008-2009 CADD AAS - Specialization: Geographic Information Systems**

**PRE-REQUISITES:**

**MATH 1414 COLLEGE ALGEBRA**

*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.*

**COSC 1301 MICROCOMPUTER APPLICATIONS**

*Prerequisite: Successful completion of READ 0090 or equivalent.*

**GISC 1311 INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS**

*Prerequisite: Completion of, or concurrent enrollment in, DFTG 1309.*

**DFTG 1305 TECHNICAL DRAFTING**

*Prerequisite: Concurrent enrollment in DFTG 1309.*

**DFTG 1309 BASIC COMPUTER-AIDED DRAFTING**

*Prerequisite: Completion of or concurrent enrollment in DFTG 1305 or ARTC 1321.*

**GISC 2320 INTERMEDIATE GEOGRAPHIC INFORMATION SYSTEMS**

*Prerequisite: Completion of GISC 1311 and DFTG 1309.*

**SRVY 1315 SURVEYING CALCULATIONS I**

*Prerequisite: DFTG 1309, MATH 1414, or TECM 1303.*

**DFTG 2319 INTERMEDIATE COMPUTER-AIDED DRAFTING**

*Prerequisite: DFTG 1305, DFTG 1309, or ARTC 1321.*

**GISC 1301 CARTOGRAPHY & GEOGRAPHY IN GIS AND GPS**

*Prerequisite: Completion of or concurrent enrollment in GISC 2320.*

**SPCH 1311 INTRODUCTION TO SPEECH COMMUNICATION**

*Prerequisite: Completion to READ 0080 or equivalent.*

**DFTG 2321 TOPOGRAPHICAL DRAFTING**

*Prerequisite: DFTG 1309.*

**SRVY 1313 PLANE SURVEYING**

*Prerequisite: DFTG 1309, MATH 1414, or TECM 1303.*

**GISC 1321 INTRODUCTION TO RASTER-BASED GIS**

*Prerequisite: GISC 1301.*

**ITSE 1431 INTRODUCTION TO VISUAL BASIC PROGRAMMING**

*Prerequisite: ITSC 1409.*

**PSYC 2301 GENERAL PSYCHOLOGY**

*Prerequisite: Completion of READ 0080 with a grade of "C" or better or equivalent.*

**SOCI 1301 INTRODUCTORY SOCIOLOGY**

*Prerequisite: Completion of READ 0080 with a grade of "C" or better or equivalent.*

**GISC 2311 GEOGRAPHIC INFORMATION SYSTEMS (GIS) APPLICATIONS**

*Prerequisite: GISC 1301, GISC 1321, and DFTG 2319.*

**ITSE 2409 DATABASE PROGRAMMING**

*Prerequisite: ITSC 1409.*

**GISC 2301 DATA ACQUISITION AND ANALYSIS IN GIS/GPS**

*Prerequisite: GISC 1301 and DFTG 2319.*

**DFTG 2330 CIVIL DRAFTING**

*Prerequisite: SRVY 1313 and DFTG 2321.*

**ENGL 1301 COMPOSITION**

*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.*

**GISC 2364 CAPSTONE: GIS PRACTICUM**

*Prerequisite: GISC 1311, GISC 2311, ITSE 2409.*

**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 2309 COMPUTER-AIDED MAPPING**

*Prerequisite: DFTG 2319, SRVY 1313, DFTG 2321 and DFTG 2330.*