## Business & Technology Division Degree Plan

### Geographic Information Systems

**STUDENT NAME**: [Name]

**ADDRESS**: [Address]

**CITY, STATE, & ZIP CODE**: [City, State, Zip]

**TELEPHONE (DAY)**: [Phone]

**EVE**: [Even]

**ENROLLMENT DATE**: [Date]

### PLACEMENT TESTING:

**Alternative Exam:**

<table>
<thead>
<tr>
<th>Accuplacer/ASSET/COMPASS/THEA</th>
<th>Read</th>
<th>Writing</th>
<th>Math</th>
<th>*TSI COMPLETE/EXEMPT/WAIVED</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACT</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SAT</td>
<td></td>
<td></td>
<td></td>
<td>*Texas Success Initiative Rules</td>
</tr>
</tbody>
</table>

**DATE:** [Date]

**DEVELOPMENTAL COURSES (enter grade)**

- **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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>SCH</th>
<th>COLLEGE</th>
<th>SEM/YR</th>
<th>GRADE</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>GISC 1311</td>
<td>Introduction to Geographic Information Systems</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TECM 1303</td>
<td>Technical Mathematics</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COSC 1301</td>
<td>Microcomputer Applications or ITSC 1409</td>
<td>3 or 4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GISC 1321</td>
<td>Introduction to Raster-Based GIS</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DFTG 1309</td>
<td>Basic Computer-Aided Drafting</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### FIRST YEAR - FALL SEMESTER

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>SCH</th>
<th>COLLEGE</th>
<th>SEM/YR</th>
<th>GRADE</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>GISC 2320</td>
<td>Intermediate Geographic Information Systems</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GISC 1301</td>
<td>Cartography &amp; Geography in GIS and GPS</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DFTG 2319</td>
<td>Intermediate Computer-Aided Drafting</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ITSE 2409</td>
<td>Database Programming</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### FIRST YEAR - SPRING SEMESTER

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>SCH</th>
<th>COLLEGE</th>
<th>SEM/YR</th>
<th>GRADE</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>GISC 2404</td>
<td>GIS Design w/Vector Analysis</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Program Elective</strong></td>
<td></td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GISC 1364</td>
<td>CAPSTONE: GIS Practicum</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**FIRST YEAR - SUMMER**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>SCH</th>
<th>COLLEGE</th>
<th>SEM/YR</th>
<th>GRADE</th>
<th>COMMENTS</th>
</tr>
</thead>
</table>

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

**STUDENT’S SIGNATURE**: [Signature]

**DATE**: [Date]

**FACULTY/ADVISOR’S SIGNATURE**: [Signature]

**DATE**: [Date]
PRE-REQUISITES:

GISC 1311  INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS
Prerequisite: Completion of , or concurrent enrollment in DFTG 1309.

TECM 1303  TECHNICAL MATHEMATICS
Prerequisite: None.

COSC 1301  MICROCOMPUTER APPLICATIONS
Prerequisite: None.

ITSC 1409  INTEGRATED SOFTWARE APPLICATIONS I
Prerequisite: Successful completion READ 0080 or equivalent.

GISC 1321  INTRODUCTION TO RASTER-BASED GIS
Prerequisite: Completion of or concurrent enrollment in GISC 1311.

DFTG 1309  BASIC COMPUTER-AIDED DRAFTING
Prerequisite: Completion of or concurrent enrollment in DFTG 1305 or ARTC 1321.

POFT 2312  BUSINESS CORRESPONDENCE AND COMMUNICATION
Prerequisite: POFT 1301.

GISC 2320  INTERMEDIATE GEOGRAPHIC INFORMATION SYSTEMS
Prerequisite: Completion of GISC 1311 an DFTG 1309.

GISC 1301  CARTOGRAPHY & GEOGRAPHY IN GIS AND GPS
Prerequisite: Completion of or concurrent enrollment in GISC 2320.

DFTG 2319  INTERMEDIATE COMPUTER-AIDED DRAFTING
Prerequisite: DFTG 1309, DFTG 1305, DFTG 1309 or ARTC 1321.

ITSC 2409  DATABASE PROGRAMMING
Prerequisite: ITSC 1409.

GISC 2404  GIS DESIGN WITH VECTOR ANALYSIS
Prerequisite: GISC 3211, GISC 2303, and GISC 2359.

GISC 1364  CAPSTONE: GIS PRACTICUM
Prerequisite: DFTG 2319 and GISC 1311.

**Program Elective Options:

SRVY 1315  SURVEYING CALCULATIONS I
Prerequisite: DFTG 1309, MATH 1414, or TECM 1303.

GISC 2311  GIS APPLICATIONS
Prerequisite: GISC 1301, GISC 1321, and DFTG 2319.

DFTG 2321  TOPOGRAPHICAL DRAFTING
Prerequisite: DFTG 1309.

DFTG 2340  SOLID MODELING/DESIGN
Prerequisite: DFTG 1317, DFTG 2319.