# Degree Plan for a Bachelor of Science with a Major in Spatial Science - B.S.S.C.  
## Surveying Study Track

### NAME:________________________  SID:________________________  DATE:_________________ _______

### ADVISOR:_____________________

#### General Education Requirements
- **ENG 131 (3)** Composition: Rhetoric & Argument
- **ENG 132 (3)** Composition: Critical & Analytical
- **ENG 273–Tech Writing or BCM 247–Business Comm (3)**
- **ENV 110 (4)** Introduction to Env. Science
- **AST 105-Classical/Modern Astronomy or PHY 101- General Physics I or GOL 131-Introductory Geology (4)**
- **MTH 220 (3)** Intro to Probability & Statistics
- **HIS 133 (3)** U.S. History Survey, 1000-1877
- **HIS 134 (3)** U.S. History Survey, 1877-Present
- **PSC 141 (3)** Intro to Am. Govt.: Theory
- **PSC 142 (3)** Intro to Am. Govt.: Structure
- **PHI 223 (3)** Introduction to Ethics
- **MTH 133 (3)** Plane Trigonometry
- **MTH 138 (3)** College Algebra
- **GIS 201 (3)** Introduction to GIS
- **GIS 224 (3)** Introduction to Spatial Science
- **GIS 390 (3)** GIS in Natural Resources
- **GIS 395 (3)** GIS Database Management
- **GIS 400 (3)** GIS Programming
- **GIS 405 (3)** GIS Remote Sensing Applications
- **GIS 410 (3)** Landscape Modeling
- **GIS 415 (3)** Spatial Analysis
- **GIS 420 (3)** Ecological Planning
- **FOR 223 (3)** Surveying & Mapping
- **FOR 443 (3)** Weather & Climate

#### Major Requirements (SPCSURV)
- **FOR 219 (3)** – Dendrology
- **FOR 423 (3)** – Advanced Surveying
- **FIN 265 (3)** – Real Estate Principles
- **BLW 366 (3)** – Real Estate Law
- **BLW 468 (3)** – Oil & Gas Law
- **HRT 325 (3)** – Design Application Software I (CAD)
- **HRT 326 (3)** – Design Application Software II (CAD)
- **GEO 315 (3)** - Cartography
- **HRT 325 (3)** – Design Application Software I (CAD)
- **HRT 326 (3)** – Design Application Software II (CAD)

#### **Approved Electives (9-10 hours)**

#### Required (33-34)  
- **See University Core Curriculum Requirements**

#### Common Core of the Spatial Science Major
- **MTH 133 (3)** Plane Trigonometry
- **MTH 138 (3)** College Algebra
- **GIS 201 (3)** Introduction to GIS
- **GIS 224 (3)** Introduction to Spatial Science
- **GIS 301 (3)** GIS Applications
- **GIS 390 (3)** GIS in Natural Resources
- **GIS 395 (3)** GIS Database Management
- **GIS 400 (3)** GIS Programming
- **GIS 405 (3)** GIS Remote Sensing Applications
- **GIS 410 (3)** Landscape Modeling
- **GIS 415 (3)** Spatial Analysis
- **GIS 420 (3)** Ecological Planning
- **FOR 223 (3)** Surveying & Mapping
- **FOR 443 (3)** Weather & Climate

#### Required (42)  
- **Total Semester hours Required for Degree: 120**

Note: It is the student’s responsibility to complete the Degree Requirements as specified. A Final Graduation Plan must be filed in the Dean’s Office the semester before the student plans to graduate.

I have read and received a copy of this degree plan.

Student ________________________________ Date ________________

Dean/Associate Dean ________________________________ Date ________________

Revised 07/26/2012
## Spatial Science Core Requirements

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Title</th>
<th>Semester (s) Offered</th>
<th>Prerequisites</th>
<th>Instructor(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 133</td>
<td>Plane Trigonometry</td>
<td>Fall, Spring, Summer I</td>
<td>MTH 099/138 or Test Scores</td>
<td>Math Professors</td>
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<tr>
<td>MTH 138</td>
<td>College Algebra</td>
<td>Any Semester</td>
<td>MTH 099 or Test Cores</td>
<td>Math Professors</td>
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<tr>
<td>GIS 201</td>
<td>Introduction to GIS</td>
<td>Each Fall only</td>
<td>None</td>
<td>Zhang</td>
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<tr>
<td>GIS 224</td>
<td>Introduction to Spatial Science</td>
<td>Each Fall &amp; Spring</td>
<td>MTH 143/138/233</td>
<td>Unger</td>
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<tr>
<td>GIS 301</td>
<td>GIS Applications</td>
<td>Each Spring only</td>
<td>GIS 201</td>
<td>Zhang</td>
</tr>
<tr>
<td>GIS 390</td>
<td>GIS in Natural Resources</td>
<td>Each Fall &amp; Spring</td>
<td>GIS 224</td>
<td>Hung</td>
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<tr>
<td>GIS 395</td>
<td>GIS Database Management</td>
<td>Each Fall only</td>
<td>GIS 301</td>
<td>Zhang</td>
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<tr>
<td>GIS 400</td>
<td>GIS Programming</td>
<td>Each Spring only</td>
<td>GIS 301</td>
<td>Zhang</td>
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<tr>
<td>GIS 405</td>
<td>Remote Sensing Applications</td>
<td>Each Fall only</td>
<td>GIS 201 or 224 &amp; GIS 301 or 390</td>
<td>Unger</td>
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<tr>
<td>GIS 410</td>
<td>Landscape Modeling</td>
<td>Each Spring only</td>
<td>GIS 201 or 224 &amp; GIS 301 or 390</td>
<td>Kulhavy</td>
</tr>
<tr>
<td>GIS 415</td>
<td>Spatial Analysis</td>
<td>Each Spring only</td>
<td>GIS 201 or 224 &amp; GIS 301 or 390 &amp; MTH 220</td>
<td>Scognamillo</td>
</tr>
<tr>
<td>GIS 420</td>
<td>Ecological Planning</td>
<td>Each Fall only</td>
<td>GIS 201 or 224 &amp; GIS 301 or 390 &amp; GIS 405 &amp; GIS 410</td>
<td>Kulhavy</td>
</tr>
<tr>
<td>FOR 223</td>
<td>Surveying &amp; Mapping</td>
<td>Each Spring only</td>
<td>MTH 143 or 138 or 233</td>
<td>Roan</td>
</tr>
<tr>
<td>FOR 443</td>
<td>Weather &amp; Climate</td>
<td>Each Fall only</td>
<td>None</td>
<td>McDonald</td>
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</table>

## Spatial Science Emphasis Courses

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Title</th>
<th>Semester (s) Offered</th>
<th>Prerequisites</th>
<th>Instructor(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FOR 219</td>
<td>Dendrology</td>
<td>Each Fall &amp; Spring</td>
<td>BIO 131 or Instructor permit</td>
<td>Stovall</td>
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<tr>
<td>FOR 423</td>
<td>Advanced Surveying</td>
<td>Each Spring only</td>
<td>None</td>
<td>Roan</td>
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<td>FIN 265</td>
<td>Real Estate Principles</td>
<td>Not listed</td>
<td>None</td>
<td>Finance Professors</td>
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<tr>
<td>BLW 366</td>
<td>Real Estate Law</td>
<td>Each Spring only</td>
<td>Junior or Senior Classification</td>
<td>Brice</td>
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<tr>
<td>BLW 468</td>
<td>Oil &amp; Gas Law</td>
<td>Each Fall only</td>
<td>Junior or Senior Classification</td>
<td>McWhorter</td>
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<tr>
<td>HRT 325</td>
<td>Design Application Software I</td>
<td>Each Fall, Spring, &amp; Summer I</td>
<td>None</td>
<td>Payne</td>
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<tr>
<td>HRT 326</td>
<td>Design Application Software II</td>
<td>Each Fall, Spring, &amp; Summer II</td>
<td>None</td>
<td>Calhoun</td>
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<td>GEO 315</td>
<td>Cartography</td>
<td>Not listed</td>
<td>None</td>
<td>GEO professor</td>
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</tbody>
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----- 9-10 hours of Approved Electives

Any semester As listed for chosen courses

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Revised July, 2011