The University of Texas at Dallas  
Master of Science in Geospatial Information Sciences

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<th>Student:</th>
<th>UTD ID:</th>
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**Program Core Requirement** (15 semester credit hours) *Students must earn a minimum grade point average (GPA) of 3.0 in the following courses:*

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<tr>
<th>SEMESTER</th>
<th>GRADE</th>
<th>CREDIT HOUR</th>
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<tbody>
<tr>
<td>GISC 6301 GIS Data Analysis Fundamentals</td>
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<td>GISC 6317 GIS Programming Fundamentals</td>
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<td>GISC 6325 Remote Sensing Fundamentals</td>
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<td>GISC 6381 Geographic Information Systems Fundamentals</td>
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<td>GISC 6384 Advanced Geographic Information Systems</td>
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**Prescribed Electives** (18 semester credit hours)

- CS 6359 Object-Oriented Analysis and Design
- CS 6360 Database Design
- CS 6366 Computer Graphics
- CS 6384 Computer Vision
- GISC 5310 Hydrogeology
- GISC 5311 Applied Groundwater Modeling
- GISC 5322 – GPS Satellite Surveying Techniques
- GISC 5324 – 3D Data Capture and Ground Lidar
- GISC 5330 – Geospatial Applications in Earth Science
- GISC 5395 – Satellite Geophysics and Applications
- GISC 6331 (CRIM 6332) – GIS Applications in Criminology
- GISC 6334 (PPPE 6334) Workshop in Environmental and Health GIS
- GISC 6379 Special Topics
- GISC 6382 – Applied Geographic Information Systems
- GISC 6385 – GIS Theories, Models, and Issues
- GISC 6387 – Geospatial Sciences Workshop
- GISC 6388 – Advanced GIS Programming
- GISC 7310 – Advanced GIS Data Analysis
- GISC 7360 – GIS Pattern Analysis
- GISC 7361 – Spatial Statistics
- GISC 7363 – Internet Mapping and Information Processing
- GISC 7364 – Demographic and Epidemiological Analysis and Modeling
- GISC 7365 – Advanced Remote Sensing
- GISC 8320 – Geospatial Sciences Seminar
- MIS 6308 Systems Analysis and Project Management
- MIS 6320 Database Foundations
- MIS 6324 Business Intelligence Software and Techniques
Choose one of the following Research Requirement Tracks: (3 semester credit hours)

**Research Requirement - Project Track:**
GISC 6389 Geospatial Information Sciences Master’s Research
*AND* successfully defend a professional GIS Master’s Project

**Research Requirement - Thesis Track:**
GISC 6V98 Master’s Thesis
*AND* successfully defend a GIS Master’s Research Thesis

| Overall GPA and Hours |  |  |  |  |