

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

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| Student: | UTD ID: | | |
| Program Core Requirement (15 semester credit hours) <i>Students must earn a minimum grade point average (GPA) of 3.0 in the following courses:</i> | SEMESTER | GRADE | CREDIT HOUR |
| GISC 6301 GIS Data Analysis Fundamentals | | | |
| GISC 6317 GIS Programming Fundamentals | | | |
| GISC 6325 Remote Sensing Fundamentals | | | |
| GISC 6381 Geographic Information Systems Fundamentals | | | |
| GISC 6384 Advanced Geographic Information Systems | | | |
| | Core GPA | | |
| 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 | | | |

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| MIS 6326 Data Management | | | |
| PA 6318 Information Systems in Policy Environments | | | |
| Choose one of the following Research Requirement Tracks: (3 semester credit hours) | | | |
| Research Requirement - Project Track: GISC 6389 Geospatial Information Sciences Master's Research <u>AND</u> successfully defend a professional GIS Master's Project | | | |
| Research Requirement - Thesis Track: GISC 6V98 Master's Thesis <u>AND</u> successfully defend a GIS Master's Research Thesis | | | |
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| Overall GPA and Hours | | | |