



Now offering a Geospatial Diploma

We have built and delivered training for hundreds of our users over many years. Now we have consolidated our training to allow our clients to obtain a formal qualification. We believe that knowledgeable individuals can accomplish great things in their organisations and communities by applying Geo-information Science and Technology to solve problems.



The Diploma fills the current gap in the market for an entry level qualification in GIS.

The Esri Southern Africa College is committed to:

Industry aligned education in GIS

Exposure to cutting edge Geospatial technology

Support from industry specialists in the field of GIS

Contributing to national objectives regarding skills development

The Esri Southern Africa College strives to be a proudly African college offering a wide range of academic modules in GISc&T, that will address the educational gap in the Geo-information industry of Southern Africa.

| | Module Name | Method* | Credits |
|---------|---|---------|---------|
| Level 1 | Introduction to Information Technology | O | 10 |
| | Introduction to Human, Physical and Environmental Geography | O | 7 |
| | Practical Geography | P | 5 |
| | Map Use and Evaluation | O | 5 |
| | Practical Map Work | P | 5 |
| | Applied Mathematics for GISc | M | 12 |
| | Basic Statistics for GISc | M | 12 |
| | Physical Science for GISc | M | 12 |
| | Introduction to Geo-information Science | O | 8 |
| | GIS Basics | P | 4 |
| Level 2 | Spatial Data Models | O | 10 |
| | GIS Data Structures for Data Acquisition | P | 2 |
| | Principles of Map Design | O | 12 |
| | Designing Maps | P | 2 |
| | OR Advanced Analysis and Map Design | P | 4 |
| | Projections and Coordinate Systems | O | 9 |
| | Map Projections | P | 1 |
| | GPS and Land Surveying | O | 11 |
| | Basic GPS Knowledge | P | 3 |
| | Data Quality and Standards | O | 8 |
| | Data Editing and Standards | P | 4 |
| | Data Manipulation | O | 8 |
| | Spatial and Attribute Data Transfer Methods | P | 2 |
| | Introduction to Database Management Systems | O | 12 |
| | Building a Spatial Database | P | 2 |
| Level 3 | Analytical Methods | O | 12 |
| | Topics in Advanced Spatial Analysis | P | 2 |
| | OR Advanced Analysis and Map Design | P | 4 |
| | Terrain Analysis | O | 10 |
| | Terrain Analysis Practical | P | 2 |
| | Remote Sensing | O | 10 |
| | Practical Applications of Remote Sensing | P | 2 |
| | Introduction to Programming | O | 11 |
| | Introduction to Geo-processing Scripts using Python | P | 3 |
| | GISc&T Ethics and Law | O | 16 |
| | Sharing GIS content on the Web | P | 2 |
| | Data Considerations for Map Design | O | 16 |

*P = Practical O = Online M = Mixed

For more information, contact us at college@esri-southernafrica.com

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