

NM Certified GIS Specialist Requirements Checklist

The NM **EDGE** (Education Designed to Generate Excellence in the public sector)
 A Program of NM Cooperative Extension Service

NM Certified GIS Specialist Curriculum Checklist

Successful completion of the following **29 classes** & the culminating experience is required to earn a NM Certified GIS Specialist designation (**NMCGISS**).

For further information contact nmedge@nmsu.edu or go to nmedge.nmsu.edu

2024

| Classes | Each class is three hours of classroom instruction. ^In-Person Only *Online Only In-Person/Online | Honing Offered |
|---|---|--|
| GIS Required Classes | Take each of the following 13 GIS classes | 13 classes required |
| GIS 101- Core-Geography: The Origins of the GIS Profession | | *January |
| GIS 102- Vector Data Input (Lab) | | By Appointment |
| GIS 104- Understanding Coordinate Systems & Projections | | *January |
| GIS 121- The Ethical Use of GIS | | *January |
| GIS 155- GIS Presentation Skills (Lab) | | By Appointment |
| GIS 162- Integrating and Manipulating Data Sets (Lab) | | By Appointment |
| GIS 166- GPS in the Field (Excursion Lab) | | By Appointment |
| GIS 201- Metadata | | *March |
| GIS 202- Vector Input Practicum (ABQ Lab) | | By Appointment |
| GIS 203- Basic Topology (pre-req. GIS 102) (Lab) | | By Appointment |
| GIS 262- Organizing GIS Data (pre-req. GIS 102 & GIS 202) (Lab) | | By Appointment |
| GIS 265 A- Using Technology to Improve Your Organization Part I (Take 265 A & B same day) | | *September |
| GIS 265 B- Using Technology to Improve Organization Part II (pre-req. GIS 265 A) | | *September |
| CORE Required Classes | Take each of the following | 9 classes required |
| CPM 123- Managing Organizational Change | | *June |
| CPM 131- General HR Law | | June/March, Sept |
| CPM 139- Creating an Ethical Culture | | *January/June |
| CPM 144- Risk Management | | June/March |
| CPM 151- Foundations for Communications | | January/March, June |
| CPM 152- Conflict Resolution | | *January |
| CPM 154- Effective Meetings by Design | | January/June |
| CPM 156- Improving Writing Skills | | *June /September |
| CPM 157- Creating a Service-Oriented Culture | | *January |
| GIS Elective Classes – | Take 2 classes from this list of 6 GIS classes | 2 classes required |
| GIS 161- Making the Most of the Web for GIS | | By Request Only |
| GIS 167- MSAG Maintenance | | By Request Only |
| GIS 204- Remote Sensing (Lab) | | By Request Only |
| GIS 263 A- URISA Part I | | By Request Only |
| GIS 263 B- URISA Part II (pre-req. GIS 263 A) | | By Request Only |
| GIS 266- Imagery Interpretation (pre-req. GIS 204) | | By Request Only |
| Elective Classes- Section II | Choose 5 classes from among any prefixes including GIS | 5 classes required |
| 1. | | |
| 2. | | |
| 3. | | |
| 4. | | |
| 5. | | |

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| Culminating Experience | |
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| A GIS Focused Mini-Portfolio - Graded on 10 point scale Submit for an audit during an open audit window for assignment. | |
| Elective Classes Recommended by Curriculum Committee | |
| AO 115- Mapping Procedures & Requirements | *September (Odd Calendar Years) |
| CL 106- Census & Redistricting | *March (Even Calendar Years) |
| CL 111- Property & Understanding Maps & Plats | *June (Odd Calendar Years) |
| HS 112- Role of GIS in Agricultural Safety | By Request Only |
| CPM 222- Project Management | |
| CPM 264- GIS for non-GIS Users | By Request Only |
| CARE 111 A & B- Building Strong Intergovt. Relations in NM (2 classes same day) | ^January, ^June |
| PE 110 A & B- Ethics- Know the Law (2 classes same day) | *June/September |