The Department of Geography at New Mexico State University offers a minor in Geographic Information Science and Technology (GIS&T) to interested undergraduate students (non-geography majors) at New Mexico State University.

To earn a minor in GIS&T, the following courses are required.

### DEPARTMENTAL REQUIREMENTS (18-21 CREDITS)\(^1\)

**One of the Following Courses (3 Credits)**
- GEOG 482, Geodatabase Design ............................................................... 3 ☐ ___
- BCIS 350, System Analysis and Modeling .................................................. 3 ☐ ___
- BCIS 475, Database Management Systems .................................................. 3 ☐ ___

**One of the Following Courses (3 Credits)**
- E T 120, Computer and Presentation Software ........................................... 3 ☐ ___
- ENGL 218G, Technical and Scientific Communication .................................. 3 ☐ ___

**One of the Following Courses (3-4 Credits)**
- GEOG 281, Map Use and Analysis ............................................................... 3 ☐ ___
- GEOG 381, Cartography and Geographic Information Systems ...................... 4 ☐ ___

**One of the Following Courses (3-4 Credits)**
- GEOG 373, Introduction to Remote Sensing .................................................. 4 ☐ ___
- GEOG 382, Aerial Photo Interpretation .......................................................... 3 ☐ ___

**One of the Following Courses (3-4 Credits)**
- GEOG 481, Fundamentals of Geographic Information Systems ...................... 4 ☐ ___
- GEOG 487, GIS Practicum ............................................................................. 3 ☐ ___

**One of the Following Courses\(^2\) (3 Credits)**
- Honors, independent study, and graduate courses as appropriate if approved by Department of Geography.
- Graduate courses that may automatically be included are GEOG 521, GIS Applications; GEOG 581, GIS Design; GEOG 584, Seminar in Geographic Information Systems; GEOG 586, Geospatial Techniques for Natural Resource Assessment; GEOG 587, Advanced Topics in Geographic Information Science. .... 3 ☐ ___

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\(^1\) For a class to count toward a student’s minor, the student must earn a grade of C- or better in that class.
- At least 9 credits must be upper division.
- Students may need to meet prerequisites or obtain a waiver of prerequisites for some courses.

\(^2\) Students may also substitute as many as 6 additional credits from this area for courses in some of the areas above if approved by the Department of Geography.

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If you are interested, please contact the Dr. Brown (brownchr@nmsu.edu, Department Head of Geography), Dr. Buenemann (elabuen@nmsu.edu), Dr. Campbell (geobird@nmsu.edu), or Dr. DeMers (mdemers@nmsu.edu).