

Geographic Information Systems Minor

Department of Earth & Atmospheric Sciences, 303-556-3143, Science 2028
College of Letters, Arts, and Sciences

Catalog 16-17

This sheet applies to the 2016-17 catalog *only*. It does not replace the full catalog or departmental advising sheets as official statements of requirements. Students with declared certificates *must* work with a faculty advisor on course selection and sequencing to ensure a timely gradua-

Required Courses	13
Elective Courses	8 Min.
Total for Geographic Information Systems Minor	21

For class descriptions and additional prerequisite recommendations please see MSU catalog at: <http://msudenver.edu/academics/catalog/>

Geographic Information Systems Minor Required Courses **Credits**

_____	GIS	1220	Introduction to Geospatial Sciences <i>(Preq. CSS 1010 or CMS 1010 recommended not required)</i>	3
_____	GIS	2250	Geographic Information Systems <i>(Preq. GIS 1220)</i>	3
_____	GIS	3250	Cartography <i>(Preq. GIS 2250 & MTH 1210)</i>	3
Choose one of the following:				
_____	GIS	4850	Spatial Modeling in Raster <i>(Preq. GIS 2250 & MTH 1110, Upper Division Standing)</i> <i>(Co: GIS 3250)</i>	4
_____	GIS	4860	GIS Applications <i>(Preq. GIS 2250, Upper Division Standing)</i> <i>(Preq. or Co: GIS 3250)</i>	4

Elective Courses (min 8 credits) **Credits**

_____	GIS	2710	Global Positioning Systems <i>(Preq. GIS 1220)</i>	2
_____	GIS	3920	Directed Study in Geospatial Sciences <i>(Preq. GIS 3250)</i>	2-6
_____	GIS	4840	Remote Sensing <i>(Preq. GIS 1220 & MTH 1110)</i>	3
_____	GIS	4850	Spatial Modeling in Raster <i>(Preq. GIS 2250 & MTH 1110, Upper Division Standing)</i> <i>(Co: GIS 3250)</i>	4
_____	GIS	4860	GIS Applications <i>(Preq. GIS 2250, Upper Division Standing)</i> <i>(Preq. or Co: GIS 3250)</i>	4
_____	GIS	4870	Spatial Databases <i>(Preq. GIS 4860, Upper Division Standing)</i>	3
_____	GIS	4880	Current Topics in GIS: Variable Topics <i>(Preq. GIS 2250)</i>	1-3
_____	GIS	4890	Advanced GIS Project <i>(Preq. GIS 4860)</i>	3
_____	GIS	4920	Advanced Directed Study in Geospatial Sciences <i>(Preq. GIS 4860, Senior Standing)</i>	3