

**M.Ed./Initial License in Social Studies Education ■ Geography**

**What are prerequisites?**

Prerequisites are foundational courses required in specific content areas for licensure. Candidates are required to have an undergraduate degree from an accredited institution with a major in geography or closely related field, and with appropriate liberal arts/general education coursework. Students must verify their concentration area and supporting fields competency by completion of the following courses or equivalent. Coursework may be taken at any accredited liberal arts college or university, and you must earn a C- or better.

**When do prerequisites need to be completed?**

Up to two prerequisite courses may be incomplete at the start of the M.Ed./Initial License program; however, it is strongly encouraged that all prerequisite coursework is completed prior to starting the program. Any in-progress coursework would be counted as complete if an official transcript with proof of enrollment is provided at the time of application. Please check with your program area adviser before registering for any prerequisite coursework.

**Geography CONCENTRATION AREA COURSES:  
 28 credits minimum for U of M Geography majors**

Course Requirements	Some UMN Options
<b>Intro to Human Geography</b> Geographical understandings of globalization, connections and differences between places; how diverse groups of people interact within the complexities of the natural environment.	GEOG 1301 or 3101
<b>Geography of Environmental Systems</b> Geographic patterns, dynamics, and interactions of atmospheric, hydrospheric, geomorphic, pedologic, and biologic systems as context for human population, development, and resource use patterns.	GEOG 3401
<b>Geographic Inquiry</b> Examination of competing approaches to the study of geography. Environmental determinism; regional tradition; scientific revolution; behavioral geography; modeling and quantitative geography; radical geography; interpretive and qualitative approaches; feminist and postmodern geography; ecological thinking and complexity; geographic ethics.	GEOG 4001 or 4002
<b>Regional Geography</b> Regional differentiation of human groups and environments	GEOG 3141, 3145, 3158, 3161, 3181, 3211, 3212, or 4121
<b>Principles of Cartography</b> History and development of U.S. academic cartography, coordinate systems and map projections, data classification and map generalization, methods of thematic symbolization, and cartographic design. GIS application domains, data models/sources, analysis methods, output techniques.	GEOG 3511 or 3561
<b>Political Economy of Development</b> Geographical distribution of resources affecting development; location of agriculture, industry, services; urbanization, regional growth; international trade; changing global development inequalities; impact of globalizing production and finance on the welfare of nations, regions, cities.	GEOG 3331
<b>Geography of Cities, Citizens, and Communities</b> Cities and suburbs as unique crossroads of cultural, social, and political processes. Competing/conflicting visions of city life, cultural diversity, and justice. World population theories, problems and policies.	GEOG 3371W or 3381
Electives to total 28 credits	

**SUPPORTING FIELDS COURSES: 21-27 credits**

Course Requirements	Some UMN Options
<p><b>American Government &amp; Politics (3-4 cr)</b> Introduction to politics/government in the United States. Constitutional origins/development, major institutions, parties, interest groups, elections, participation, public opinion. Ways of explaining politics, nature of political science.</p>	<p>POL 1001, 3306, 3308, 3309, 3321, 3325, 4327, 4737, 4766</p>
<p><b>US History to 1880 (3-4 cr)</b> From colonial era through Civil War: colonization/resistance, slavery, nation-building, westward expansion, gender roles, religion, reform, race/ethnicity, immigration, industrialization, class relations</p>	<p>HIST 1301W or 1307</p>
<p><b>US History 1880 to Present (3-4 cr)</b> U.S. history since Civil War: emancipation, forms of labor, immigration, citizenship, conceptions of race/gender, hot/cold wars, reform/rights movements, globalization, state power</p>	<p>HIST 1302W, 1308, or AFRO 3865</p>
<p><b>Sociology (3-4 cr)</b> Study of human societies/behavior. Major theories, methods, concepts, research findings. Characteristics of basic social units, patterns of interrelation, processes of change</p>	<p>SOC 1001, 1011, 3003, 3251, 3452, 3701</p>
<p><b>Economics (3-4 cr)</b> Economic behavior of consumers/firms in domestic/international markets. Demand, supply, competition. Efficiency, Invisible Hand. Monopoly, imperfect competition. Externalities, property rights. Economics of public policy in environment, health, and safety. Public goods, tax policy.</p>	<p>ECON 1101 or 1102, or APEC 1101 or 1102</p>
<p><b>Psychology (3-4 cr)</b> Scientific study of human behavior. Problems, methods, findings of modern psychology.</p>	<p>PSY 1001, 3011, 3101, 3135, 3301, or PSTL 1281</p>
<p><b>Contemporary American Indian Studies (3 cr)</b> Indigenous peoples contribution to history of cultural expression in North America. Historic contexts/varieties in individual tribal cultures.</p>	<p>AMIN 1001, 3201, 3301, 3402, 3409, 3501, 3711, 3713, 3872, 4525</p>