

Northwest Missouri State University

Associate in Arts Years 1 and 2 at Metropolitan Community College

General Education Requirements		Credits	
American Institutions			
HIST 120	American History to 1865 <i>or</i>	3	
HIST 121	American History since 1865		
POLS 135	Introduction to Political Science <i>or</i>	3	
POLS 136	Introduction to American National Politics <i>or</i>		
POLS 137	Introduction to State and Local Politics		
Communications			
ENGL 101	Composition and Reading I	3	
ENGL 102	Composition and Reading II	3	
SPDR 100	Fundamentals of Speech ² <i>or</i>	3	
SPDR 102	Fundamentals of Human Communication		
Mathematics			
MATH 115	Statistics (<i>required by NMSU</i>)	3-6	
MATH 119	College Mathematics or higher (<i>required by MCC</i>) (<i>Although only 3 credits of Mathematics are required at MCC it is recommended that students take both courses, as statistics is required at Northwest.</i>)		
Humanities (Choose one course from each group)			
ENGL 124	Introduction to Literature <i>or</i>	3	
Another approved literature course (reference general education agreement)			
HIST 133	Foundations of Western Civilization <i>or</i>	3	
HIST 134	Modern Western Civilization <i>or</i>		
PHIL 100	Introduction to Philosophy <i>or</i>		
PHIL 203	Ethics		
SPDR 128	Introduction to Film <i>or</i>	3	
SPDR 114	Theater and Western World <i>or</i>		
SPDR 106	Theater Appreciation <i>or</i>		
MUSI 108	Music Appreciation <i>or</i>		
MUSI 160	Music of the World's Cultures <i>or</i>		
MUSI 116	Evolution of Jazz <i>or</i>		
ART 108	Survey of Art <i>or</i>		
ART 150	History of Art I <i>or</i>		
ART 151	History of Art II <i>or</i>		
ART 159	American Art History <i>or</i>		
ART 205	Pre-Hispanic Art History		
Sciences			
BIOL 101	General Biology	4	
GEOL 101	General Geology	5	
Social Sciences (2 courses)			
PSYC 140	General Psychology	3	
GEOG 114	Introduction to Geography	3	
Other			
CSIS 110	Technology and Information Management	3	
Total General Education Requirements for AA		45-48	
Classes for Certificate and to finish AA degree			
GEOG 120	Introduction to GIS	3	
GEOG 220	GIS Database and Design		
GEOG 224	Applications in Geographic Information Systems	3	
<i>One of the following:</i>			
CSIS 128	Web Development <i>or</i>	3	
CSIS 143	Database Design and Management <i>or</i>		
CSIS 144	Introduction to SQL with Oracle <i>or</i>		
CSIS 177	Database Application and Design with Access		
<i>Two Courses from the following:</i>			
BIOL 101, 104, 106, 117		6-10	
BSAD 204, 205, 210, 211, 212, 213			
CSIS 128, 143, 144, 177			
CRJU 101, 112, 132			
DRAF 152, 169			
ECON 110, 210, 211			
GEOG 104, 105, 110, 113, 207, 210			
SRVY 135, 137, 240			
Total to complete AA and GIS Certificate			63-67
Student must complete a Writing Intensive course AND either a Human Diversity course or Learning Community as part of the General Education Requirements.			

Bachelor of Science in Geographic Information Systems Years 3 and 4 at NMSU

Core Required Courses		Credits
32-201	Maps and Map Interpretation	3
32-207	GPS Fundamentals	3
32-221	Economic Geography	3
32-363	Remote Sensing	3
32-410	Geographic Thought and Research Methods	3
32-465	Introduction to Customized GIS	3
32-499	Senior Seminar	1
32-565	Advanced GIS	3
44-140	Introduction to Programming Using Visual Basic	3
44-346	Database Applications	1
Electives in GIS		
Choose from:		
32-302	Cadastral Mapping	2
32-415	Internship in Geography	1-6
32-562	Digital Cartography and Geovisualization	3
32-563	Digital Image Processing	3
Elective in Regional Geography		
Choose one of the following:		
32-340	Geography of North America <i>or</i>	3
32-441	Geography of Europe <i>or</i>	
32-442	Geography of Asia <i>or</i>	
32-444	Geography of Africa <i>or</i>	
32-445	Geography of Latin America	
Area of Emphasis		
Data and Technology Emphasis		12
Geographic Emphasis		
Earth Technology Emphasis		
Civil/Public Emphasis		
<i>See classes required for each emphasis in catalog</i>		
Total Credits Required		124

Approved: 01/2007