Geographic Information Systems Certificate

The Geographic Information Systems Certificate program is granted by Metropolitan Community College, but coordinated at JCCC.

This is a professional certificate that gives the GIS user the tools needed to attract a good job in the exciting field of GIS or to advance in their chosen field. It also prepares students to complete their AA degree or transfer to a four year institution. GIS professionals are found in the fields of city, county and state business, economics, natural resources, conservation, pollution, industry, science, infrastructure planners, public works, transportation, architects, education, healthcare, travel, space industry.

The JCCC geographic information systems program is offered to Johnson County residents in cooperation with Metropolitan Community Colleges of Kansas City. Related courses are taken at JCCC. You must be accepted as a student to JCCC and accepted into the program by MCC. Students must be residents of Johnson County in order to receive in-state tuition rates. Consult with a JCCC counselor for more information.

Program courses and credit hours are subject to change because of requirement changes at the degree-granting institution. Contact www.mcckc.edu (http://www.mcckc.edu). Required GIS classes are taught at MCC-Longview and MCC-Maple Woods Community Colleges as early evening courses. Visit http://mcckc.edu/

Note: Johnson County Community College students should seek specific counsel from the MCC program personnel for the appropriate course plan and numbers.

Johnson County Community College students should refer to Cooperative Program Information (http://www.jccc.edu/cooperative).

Certificate granted by Metropolitan Community College

Specific Program Requirements-must be taken MCC

COLL 100	First Year Seminar	1
GEOG 120	Introduction to Geographic Information Systems	3
GEOG 220	Geographic Info Systems Database & Design	3
GEOG 224	Applications in Geographic Information Systems	3
GEOG 228	Administrative Issues in Geographic Info Systems	3
GEOG 230	Geographic Information Systems Internship	1-3

Note: A student currently employed in a GIS Facility may take the 1-hour option. All others must complete the 3-hour internship.

Specific Program Requirements-must be taken at JCCC

ENGL 121	Composition I*	3
GEOS 145	World Regional Geography	3
GEOS 130	General Geology	5
or GEOS 140	Physical Geography	
& GEOS 141	and Physical Geography Lab*	

Specific Program Requirements-taken at JCCC or MCC

Choose ONE course from the following list:		3-4
CIS 162	Database Programming*	
CIS 260	Database Management*	
CSIS 128	Web Development - MCC course	
CSIS 144	Introduction to SQL with Oracle - MCC course	

Select two courses from the following list:

ADMJ 121	Introduction to Administration of Justice	3
BIOL 121	Introductory Biology for Non-Majors	4
BIOL 125	General Botany	5
BIOL 127	General Zoology	5
BIOL 130	Environmental Science	4
& BIOL 131	and Environmental Science Lab*	
MKT 230	Marketing	3

DRAF 120 & DRAF 130	Introduction to Drafting and Introduction to CAD Concepts - AutoCAD*	5
Note: DRAF 120 and DRAF 130 must both be taken and count for only ONE course.		
ECON 230	Economics I	3
ECON 231	Economics II	3
CIS 162 or CIS 260	Database Programming* Database Management*	4
GEOS 140 & GEOS 141	Physical Geography and Physical Geography Lab*	5

Total Program Hours: 34-42