

**LAND SURVEYING AAS  
2009-2010**

**GENERAL EDUCATION REQUIREMENTS must be taken at JCCC:**

ENGL 121	Composition I*	3	eqv ENGL 101
ENGL 122	Composition II*	3	eqv ENGL 102
ENGL 123	Technical Writing I*	3	eqv ENGL 175
SPD 121	Public Speaking	3	eqv SPDR 100
MATH 171	College Algebra* <i>and</i>	3	eqv MATH 120
MATH 172	Trigonometry*	3	eqv MATH 130
	<b>OR</b>		
MATH 173	Precalculus*	5	eqv MATH 150

**American Institutions (choose one from the following list):**

HIST 140	US History to 1877 <i>or</i>		eqv HIST 120
HIST 141	US History since 1877 <i>or</i>		eqv HIST 121
ECON 132	Survey of Economics <i>or</i>		eqv ECON 110
ECON 230	Economics I <i>or</i>		eqv ECON 210
PHIL 143	Ethics <i>or</i>		eqv PHIL 203
POLS 122	Political Science <i>or</i>		eqv POLS 135
POLS 124	American National Government <i>or</i>		eqv POLS 136
POLS 126	State and Local Government	3	eqv POLS 137
GEOS 140	Physical Geography <i>and</i>	3	in place of GEOL 101
GEOS 141	Physical Geography lab* <i>or</i>	2	
ASTR 122	Astronomy	4	eqv PHYS 106
MATH 181	Statistics*	3	eqv MATH 115

**SPECIFIC PROGRAM REQUIREMENTS must be taken at JCCC**

ENGR 180	Engineering Land Surveying I*	3	eqv SRVY 135 not direct equivalent but okay to use per MCC
ENTR 142	Fast Trac Business Plan	3	in place of BSAD 219
TOTAL JCCC CREDITS		33-35	

**SPECIFIC COURSES offered at MCC-Longview**

POLS 153	The Missouri Constitutions	1
DRAF 152	Engineering Graphics & CADD I	5
GEOG 120	Introduction to Geographic Information Systems	3
SRVY 137	Subdivision Planning & Layout	3
SRVY 235	Advanced Surveying	3
SRVY 236	Boundary Control and Legal Principles	3

SRVY 237	Evidence and Procedures for Boundary Location	3
SRVY 244	Fundamentals of GPS Surveying	3

TOTAL MCC CREDITS		24
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**SPECIFIC PROGRAM REQUIREMENTS may be taken at JCCC or Longview**  
**Choose TWO courses from the following list:**

ACCT 121	Accounting I ( <b>JCCC course</b> )	eqv BSAD 101
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DRAF 230	Intermediate CAD: AutoCAD ( <b>JCCC course</b> ) <b>OR</b>	eqv DRAF 269
DRAF 269	Computer Aided Design II ( <b>Longview course</b> )	

GEOG 220	GIS Database and Design ( <b>Longview course</b> )	6
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TOTAL PROGRAM CREDIT HOURS		63-65
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