



INFORMATION TECHNOLOGY ASSOCIATE OF APPLIED SCIENCE

GEOGRAPHIC INFORMATION SYSTEMS TECHNOLOGY (####)

TECHNICAL Course Number	Course Title	Credits	Completed Sem./Year
ECA122	Computer Applications for Technical Professionals	3	
ECA127	Programming Logic and Problem Solving (Structured Programming)	3	
ECA128	Visual Basic Development	3	
ECA228	Internet/Intranet Design and Development	3	
ECA253	Data Modeling and Database Design	3	
GIS1XX	Elements of Cartography	3	
GIS1XX	Acquiring GIS Data	3	
GIS1XX	Geographic Information Systems	3	
GIS1XX	GIS Software I	3	
GIS1XX	Scanning and Digitizing	2	
GIS1XX	Elements of Photogrammetry	2	
GIS2XX	▲ Remote Sensing	3	
GIS2XX	▲ GIS Software II	3	
GIS2XX	▲ Advanced Analysis in GIS	3	
GIS2XX	▲ Special Topics in GIS	3	
GIS2XX	▲ GIS Databases	3	
GIS2XX	▲ Spatial Analysis	3	
GIS2XX	▲ Web GIS	3	
CET227	▲ Surveying I	3	
CET236	▲ Global Positioning Systems	3	
TOTAL		37	
BASIC/RELATED Course Number	Course Title	Credits	Completed Sem./Year
BIO126	Science, Energy, and the Environment	3	
DET125	Basic AutoCAD	3	
ENV223	Basic Geology/Hydrology	3	
ITD121	Information Technology Seminar	1	
MTH125	College Algebra	4	
MTH222	Statistics	3	
PSC121	Political Science	3	
TOTAL		20	
NON-TECH Course Number	Course Title	Credits	Completed Sem./Year
ENG124	College Composition	3	
ENG221	Technical Report Writing	3	
COM121/122/123	Effective Speaking or Interpersonal Communication or Intergroup Communications	3	
PSY121	General Psychology	3	
SOC122	Society and Technology	3	
TOTAL		15	
TOTAL CREDIT HOURS		72	

▲ Choose 6 hours of electives

GEOGRAPHIC INFORMATION SYSTEMS TECHNOLOGY (####)

Semester I	Semester II	Summer I	Semester III	Semester IV
yr/sem _____ College Composition ENG 124 3	yr/sem _____ Elements of Cartography GIS 1XX 3	yr/sem _____ Technical Report Writing ENG 221 3	yr/sem _____ Basic AutoCAD DET 125 3	yr/sem _____ Political Science PSC 121 3
yr/sem _____ Computer Applications ECA 122 ** 3	yr/sem _____ Internet/Intranet Design and Dev ECA 228 3	yr/sem _____ Arts/Humanities Social Science * 3	yr/sem _____ Science, Energy And the Environment BIO 126 3	yr/sem _____ College Algebra MTH 125 4
yr/sem _____ Programming Logic And Problem Solving ECA 127 3	yr/sem _____ Visual Basic Development ECA 128 3	yr/sem _____ Statistics MTH 222 3	yr/sem _____ Basic Geology/Hydrology ENV 223 3	yr/sem _____ Arts/Humanities Social Science * 3
yr/sem _____ Data Modeling And Database Design ECA 253 3	yr/sem _____ Acquiring GIS Data GIS 1XX 3	15	yr/sem _____ Communications Elective *** 3	yr/sem _____ Technical Elective 3
yr/sem _____ Geographic Information Systems GIS 1XX 3	yr/sem _____ GIS Software I GIS 1XX 3		yr/sem _____ Scanning and Digitizing GIS 1XX 2	yr/sem _____ Technical Elective 3
yr/sem _____ Information Technology Seminar ITD 121 1			yr/sem _____ Elements or Photogrammetry GIS 1XX 2	yr/sem _____ 16
16	15	9	16	16

72 TOTAL CREDIT HOURS

- * Student may select PSY121, PSY122, PSY123, PSY124, PSY221, PHL122, SOC121, SOC122, SOC123, or SOC225.
- ** Successful completion of ECA170, 171, 172 and 173 is equivalent to and may be substituted for ECA122
- *** Student may select COM121, COM122, or COM123

Proper course placement is critical to success in learning. Information Technology students are expected to have completed all required college assessment tests and any defined developmental courses prior to registering for technical courses.

NOTE: Every course **MAY** not be offered every semester. Please plan accordingly.