

## Recommended Course Sequence

*Last updated 1/12/12*

**Cert / Major:** Geospatial Technology  
**Department:** Applied Technology  
**Coordinator:** Jerry Miller, 527-4376

### First Semester (13.5 Units)

Course Number	Course Name/Description	Units
APTECH 45	Basic Drafting Skills	1.5
APTECH 46	Introduction to Computer-Aided Drafting	2.0
APTECH 90A; <b>OR</b> MATH 155	Applied Mathematics Intermediate Algebra	4.0
GIS 40	Introduction to Geographic Information Systems (GIS)	3.0
GEOG 4	Physical Geography	3.0

### Second Semester (13.0 Units)

Course Number	Course Name/Description	Units
APTECH 90B; <b>OR</b> MATH 27; <b>OR</b> MATH 25 <b>and</b> MATH 58	Quantitative Reasoning in Applied Technology College Algebra and Trigonometry College Algebra Trigonometry	4.0
GIS 51	Intermediate Geographic Information Systems (GIS)	3.0
CS 61.11A	Microsoft Excel, Core	1.5
CS 61.11B	Microsoft Excel, Expert	1.5
CS 63.11A	Microsoft Access, Core	1.5
CS 63.11B	Microsoft Access, Expert	1.5

### Third Semester (9.0 Units)

Course Number	Course Name/Description	Units
GIS 53	Cartography in Geographic Information Systems (GIS)	3.0
GIS 54	Data Acquisition in Geographic Information Systems (GIS)	3.0
GIS 56	GIS Applications in Land Planning	3.0

### Fourth Semester (9.0 Units)

Course Number	Course Name/Description	Units
GIS 52	Advanced Geographic Information Systems (GIS)	3.0
GIS 55	GIS Applications for Earth Sciences	3.0
Discipline Elective(s)		3.0

### Discipline Electives

CEST 51	Civil Drafting Technology	3.0
CEST 98	Independent Study in Civil & Surveying Technology	1.0-3.0
CEST 99I	Civil Engineering Tech Occupational Work Experience Intern	0.5-8.0
GEOG 3	Regional Geography of the World	3.0
GEOG 7	Cultural Geography	3.0
MATH 15	Elementary Statistics	4.0
NRM 121	Global Positioning Systems	2.0

NRM 87	Geographic Information Systems Appl in Natural Resources	3.0
SURV 50	Introduction to Plane Surveying	4.0
SURV 51	Plane Surveying Applications	4.0
SURV 56	Intro to GPS	4.0
SURV 57	Advanced GPS Applications	

### Notes

	Minimum number of units to meet certificate requirements	<b>44.5</b>
	<b>Complete for the major:</b>	
LIR 10 or 30	Library & Information Resources	1.0
	Minimum number of units to meet major requirements	<b>45.5</b>