

# SURVEYING TECHNOLOGY

## ASSOCIATE IN APPLIED SCIENCE (AAS) (Major Code 3011)

### Phoenix College Unofficial Advisement Checksheet

<b>Student Name:</b>	<b>PC Advisor:</b>	<b>Total Credits Required: 61</b> <hr style="width: 50%; margin: auto;"/> <b>CATALOG YEAR 2010-2011</b>
<b>Student ID Number:</b>	<b>Date:</b>	

I. PROGRAM PREREQUISITES: 10 CREDITS	Cr	Grade	Semester	Comments
<b>ARC121</b> Intro. to Architectural Drafting: Manual	3			
<b>BPC110</b> Computer Usage & Applications <b>OR</b>				
<b>CIS105</b> Survey of Computer Information Systems	3			
<b>+MAT151</b> College Algebra/Functions <b>OR</b> Satisfactory score on District placement exam	4			
II. REQUIRED COURSES: 39 CREDITS				
<b>CAD100</b> Fundamentals of 2D AutoCAD	3			
<b>CAD186</b> Site Development I	3			
<b>+CET101</b> Surveying I	3			
<b>+CET102</b> Surveying II	3			
<b>+CET150</b> Introduction to Geodesy and Map Projection	3			
<b>+CET201</b> Boundary Control and Legal Principles I	3			
<b>+CET202</b> Boundary Control and Legal Principles II	3			
<b>+CET205</b> Photogrammetry	3			
<b>+CET250</b> Public Land Surveying System	3			
<b>+CET257</b> Route and Construction Surveying	3			
<b>+GBS220</b> Quantitative Methods in Business	3			
<b>+GBS221</b> Business Statistics	3			
<b>+MAT182</b> Plane Trigonometry	3			
III. RESTRICTED ELECTIVES: NONE				
IV. GENERAL EDUCATION REQUIREMENTS: 22 CREDITS				
V. CORE: 12 CREDITS				
<b>First Year Composition</b> +Any approved general education course in the First-Year Composition area.	6			
<b>Oral Communication</b> +Any approved general education course in the Oral Communication area.	3			
<b>Critical Reading</b> +Any approved general education course in the Critical Reading area <b>OR</b> Equivalent as indicated by assessment.	3			
<b>Mathematics</b> +Met by MAT182 in Required Courses area.	0			
VI. DISTRIBUTION: 10 Credits				
<b>Humanities and Fine Arts</b> CNS 100 Construction and Culture	3			
<b>Social &amp; Behavioral Sciences</b> Any approved general education course in the Social & Behavioral Sciences area.	3			
<b>Natural Science</b> +PHY 101 Introduction to Physics	4			

# SURVEYING TECHNOLOGY

## ASSOCIATE OF APPLIED SCIENCE DEGREE

(Major code: 3011) 61 credits

This is a suggested course enrollment by semester. All courses must be completed with a grade of “C” or higher. This program may take longer than two years to complete if a student tests into lower level English, Reading and/or Math courses. All program and course prerequisites must be met prior to enrolling in courses. Students are required to take the ASSET tests in Reading, English and Mathematics prior to enrollment to determine proper course placement. Summer school is a good time to take General Education requirements. Students are responsible for the proper selection and enrollment in classes. Advisors are available to assist in course selection. CRE101 can be waived with an appropriate ASSET score. Students with deficiencies in Reading, English or Mathematics will earn more than 61 credits to complete the program.

**PROGRAM PREREQUISITES:** ARC121 Intro. to Arch. Drafting: Manual, BPC110 Computer Usage & Apps. **OR** CIS105 Survey of Computer Info Systems, MAT122 Intermediate Algebra, **AND** MAT151 College Algebra/Functions.

### SEMESTER 1 (Fall)

<u>Courses</u>	<u>Credits</u>
ARC121 Intro. to Architectural Drafting: Manual (F/S)	3
CAD100 Fund. of 2D AutoCAD (F/S)	3
CRE101 Critical Reading (if needed)	3
ENG101 English Composition	3
GBS220 Qualitative Methods in Business	3
MAT182 Trigonometry	3
<hr/>	
Total Credits	18

### SEMESTER 3 (Fall)

<u>Courses</u>	<u>Credits</u>
CAD186 Site Development (F)	3
CET102 Surveying II (F)	3
CET202 Boundary Controls & Legal Princ.II (F)	3
CET150 Intro. to Geodesy and Map Projection. (F)	3
CET250 Public Land Survey System (F)	3
<hr/>	
Total Credits	15

### SEMESTER 2 (Spring)

<u>Courses</u>	<u>Credits</u>
CET101 Surveying I (F/S)	3
COM Communications class	3
ENG102 English Composition	3
CNS101 Construction & Culture (F/S)	3
GBS221 Business Statistics	3
<hr/>	
Total Credits	15

### SEMESTER 4 (Spring)

<u>Courses</u>	<u>Credits</u>
CET201 Boundary Controls & Legal Princ. I (S)	3
CET205 Photogrammetry	3
CET257 Route & Construction Surveying (S)	3
PHY101 Introduction to Physics	4
Social/Behavioral Science class	3
<hr/>	
Total Credits	16

Notes: F = Fall semester; S = Spring semester; F/S = Both Fall and Spring semesters