



PHOENIX  
COLLEGE

**ARCHITECTURAL CAD TECHNOLOGY  
ASSOCIATE OF APPLIED SCIENCE DEGREE**



Department of Industrial Technology

Major Code: 3500

Phoenix College Unofficial Advisement Checksheet

<b>Student Name:</b>	<b>PC Advisor:</b>	<b>Total Credits Required: 72-74</b>  <b>CATALOG YEAR 2009-2010</b>
<b>Student ID No.</b>	<b>Date:</b>	

	Cr	Grade	Semester	Comments
<b>I. PROGRAM PREREQUISITES: NONE</b>				
<b>II. REQUIRED COURSES: 50-52 CREDITS</b>				
ARC121 Intro. to Architectural Drafting: Manual	3			
ARC140 Rendering & Portfolio Development	3			
+ARC160 Site Planning	3			
+ARC225 Fundamentals of Architectural Detailing	3			
BLT263AK Building Codes: IBC	3			
BPC110 Computer Usage & Applications <b>OR</b>				
CIS105 Survey of Computer Information Systems	3			
CAD100 Fundamentals of 2D AutoCAD	3			
+CAD167 Architectural Drawings (REVIT) I: Residential CAD	3			
+CAD215 Three-Dimensional AutoCAD Modeling	3			
+CAD255 Structural Details	3			
+CAD256 CAD Customization & Management	3			
+CAD267 Architectural Drawings (REVIT) II: Commercial CAD	3			
CNS175 Working Drawing Analysis: Blueprint Reading	3			
CNS180 Building Construction Methods, Materials & Equip.	3			
+CNS260 Strength of Materials	3			
+MAT151 College Algebra/Functions (4) <b>AND</b>				
+MAT182 Plane Trigonometry (3) <b>OR</b>	5-7			
+MAT187 Precalculus (5)				
<b>III. RESTRICTED ELECTIVES: NONE</b>				
<b>IV. GENERAL EDUCATION REQUIREMENTS: 22 CREDITS</b>				
<b>V. CORE: 12 CREDITS</b>				
<b>First Year Composition</b>				
+Any approved general education courses 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 MAT151 and MAT182 <b>OR</b> MAT 187 in Required Courses area	0			
<b>VI. DISTRIBUTION: 10 CREDITS</b>				
<b>Humanities and Fine Arts</b>				
CNS 101 Construction and Culture	3			
<b>Social &amp; Behavioral Sciences</b>	3			
Any approved general education course in the Social & Behavioral Sciences area.				
<b>Natural Science</b>				
+PHY 101 Introduction to Physics	4			

+ Prerequisites required. See course descriptions to determine the required course(s) that must be completed first.



# ARCHITECTURAL CAD TECHNOLOGY ASSOCIATE OF APPLIED SCIENCE DEGREE



Department of Industrial Technology

Major Code: 3500 72-74 credits

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. Please see an advisor prior to enrollment.

## SEMESTER 1 (Fall)

Courses	Credits
ARC121 Intro. to Arch. Drafting: Manual (F/S)	3
BPC110 Computer Usage & Applications	3
<b>OR</b> CIS105 Survey of Computer Info Systems	
CAD100 Fund. of 2D AutoCAD (F/S)	3
CNS175 Blueprint Reading (F/S)	3
CRE101 Critical Reading (if needed)	3
MAT151 College Algebra	4
<b>Total Credits</b>	<b>19</b>

## SEMESTER 2 (Spring)

Courses	Credits
ARC160 Site Planning (S)	3
ARC225 Fund. Of Arch. Detailing (F/S)	3
CAD215 3D AutoCAD Modeling (F/S)	3
COM Communications class	3
ENG101 English Composition I	3
MAT182 Trigonometry	3
<b>OR</b> MAT187 Precalculus (5)	
<b>Total Credits</b>	<b>18-20</b>

## SEMESTER 3 (Fall)

Courses	Credits
ARC140 Rendering & Portfolio Dev. (F)	3
CAD167 Residential CAD: Revit (F/S)	3
CAD256 CAD Customization & Management (F/S)	3
CNS180 Bldg. Const. Meth., Mat., Eqpt. (F)	3
CNS260 Strength of Materials (F)	3
ENG102 English Composition II	3
<b>Total Credits</b>	<b>18</b>

## SEMESTER 4 (Spring)

Courses	Credits
BLT263AK Building Codes: IBC (S)	3
CAD255 Structural Details (S)	3
CAD267 Commercial CAD: Revit (F/S)	3
CNS101 Construction & Culture (F/S)	3
PHY101 Physics	4
Social/Behavioral Science class	3
<b>Total Credits</b>	<b>19</b>

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

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 72 credits to complete the program.