

**ASSOCIATE OF APPLIED SCIENCE (AAS) DEGREE**  
**ENGINEERING: Computer Aided Drafting**  
 Residential & Commercial Architectural, Civil, Mechanical

**PROGRAM WORKSHEET AND GRADUATION REQUIREMENTS**

Student Name \_\_\_\_\_ Advisor \_\_\_\_\_ Ext: \_\_\_\_\_

Aims # \_\_\_\_\_ Evaluator \_\_\_\_\_ Date: \_\_\_\_\_

Experience in High School Drafting, Work Experience in Drafting, Computer Experience or the following two classes offered in a combination of classroom and internet delivery are recommended:

<u>Course Number</u>	<u>Requirements</u>	<u>Required Credits</u>	<u>Term</u>	<u>Transfer Credits</u>	<u>Taken</u>	<u>Needs</u>
CAD 100	Blueprint Reading for Computer Aided Drafting	3	_____	_____	_____	_____
CAD 151	Computer Aided Drafting/Technical Drafting Applications	4	_____	_____	_____	_____
<b>On-Demand or High School Classes Total</b>		<b>7</b>				

<u>Course Number</u>	<u>Requirements</u>	<u>Required Credits</u>	<u>Term</u>	<u>Transfer Credits</u>	<u>Taken</u>	<u>Needs</u>
CAD-101	Computer Aided Drafting I	3	_____	_____	_____	_____
CAD-119	Intermediate CAD I	3	_____	_____	_____	_____
ENT-141	Surveying I	4	_____	_____	_____	_____
CAD-121	Intermediate CAD II	3	_____	_____	_____	_____
CAD-102	Computer Aided Drafting II	3	_____	_____	_____	_____
CAD-235	Survey / AutoDesk	3	_____	_____	_____	_____
ENT-142	Surveying II	4	_____	_____	_____	_____
CAD-160	AutoCAD Certificate Prep I	3	_____	_____	_____	_____
CAD-241	Inventor Basics	6	_____	_____	_____	_____
CAD-161	AutoCAD Certificate Prep II	3	_____	_____	_____	_____
CAD-202	Computer Aided Drafting / 3-D	3	_____	_____	_____	_____
ENT-236	Electronic Drafting	3	_____	_____	_____	_____
CAD-231	Land Desktop / AutoDesk	3	_____	_____	_____	_____
EGT-230	Drafting & Design I	6	_____	_____	_____	_____
CAD-201	Computer Aided Drafting / Custom	3	_____	_____	_____	_____
CAD-226	Architectural Desktop	6	_____	_____	_____	_____
<b>Total</b>		<b>59</b>				

**General Education Requirements**

<u>Course Number</u>	<u>Requirements</u>	<u>Required Credits</u>	<u>Term</u>	<u>Transfer Credits</u>	<u>Taken</u>	<u>Needs</u>
CIS-118	Introduction to PC Applications	3	_____	_____	_____	_____
ENG-131	Technical Writing I	3	_____	_____	_____	_____
PSY-100	Psychology of Workplace Relationships	3	_____	_____	_____	_____
SPE-115	Public Speaking	3	_____	_____	_____	_____
<b>OR</b>						
SPE 125	Interpersonal Communications	3	_____	_____	_____	_____
MAT 106	Survey of Algebra	4	_____	_____	_____	_____
<b>Total</b>		<b>16</b>				

**TOTAL CREDITS FOR AAS DEGREE 75**

**TECHNICAL ELECTIVES**

<b>Course Number</b>	<b>Requirements</b>	<b>Required Credits</b>	<b>Term</b>	<b>Transfer Credits</b>	<b>Taken</b>	<b>Needs</b>
CAD-100	Blueprint Reading for Computer Aided Drafting	3	_____	_____	_____	_____
CAD-123	Three Dimensional CADD-Architectural	3	_____	_____	_____	_____
CAD-151	Computer Aided Drafting / Technical Drafting App.	4	_____	_____	_____	_____
CAD-217	3-D Studio VIZ	3	_____	_____	_____	_____
EGT-231	Drafting & Design II	6	_____	_____	_____	_____
ARC-206	Commercial Drawing / CAD Practice II	4	_____	_____	_____	_____
CAD-235	Survey / AutoDesk	3	_____	_____	_____	_____
CAD-236	MAP / AutoDesk	3	_____	_____	_____	_____
GIS-101	Introduction to Global Information Systems	3	_____	_____	_____	_____
GIS-131	Global Positioning Systems for Global Info. Systems	3	_____	_____	_____	_____
CAD-242	Inventor Intermediate	6	_____	_____	_____	_____
CAD-243	Inventor Advanced	6	_____	_____	_____	_____
CAD-249	Auto LISP Programming	3	_____	_____	_____	_____
CAD-250	Visual Lisp Programming	3	_____	_____	_____	_____
CAD-254	Mechanical Desktop / AutoDesk	3	_____	_____	_____	_____
CAD-280	Internship	1-6	_____	_____	_____	_____
MAT-108	Technical Mathematics	4	_____	_____	_____	_____
COM 101	Employment Strategies	1	_____	_____	_____	_____
MGD-155	LightWave I	3	_____	_____	_____	_____
CSC-150	Visual Basic Programming	3	_____	_____	_____	_____
PHY-111	Physics: Algebra Based I with Lab	5	_____	_____	_____	_____