

**NorthWest Arkansas Community College**

**2014 Associate of Applied Science Degree Requirements in Computer Aided Design (CAD)**

**Major Emphasis: Mechanical Design**

Last Name	First Name	Mid. Initial	Student ID

**\*CHECK THE CATALOG FOR PREREQUISITES BEFORE ENROLLING IN A CLASS**

**POSSIBLE PLACEMENT REQUIREMENTS**

(these hours will not transfer to a four-year institution):

MATH	0013	Prealgebra
MATH	0053	Beginning Algebra*
MATH	0103	Intermediate Algebra*
READ	0033	College Reading*
ENGL	0063	Intermediate Writing*

Name of Placement Test	Score
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

**RECOMMENDED SEQUENCE**

DATE COMPLETED	PREREQUISITE (see catalog)	GRADE
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**GENERAL EDUCATION REQUIRED COURSES (22 Hours)**

CISQ	1103	Introduction To Computer Information	_____	_____	_____
ENGL	1013	English Composition I	_____	_____	_____
ENGL	1023	English Composition II <b>OR</b>	_____	_____	_____
ENGL	2013	Technical Writing	_____	_____	_____
COMM	1303	Fundamentals of Communication <b>OR</b>	_____	_____	_____
COMM	2503	Small Group Communication	_____	_____	_____
MATH	1204	College Algebra	_____	_____	_____
MATH	1213	Plane Trigonometry	_____	_____	_____
XXXX	XXXX	Social/Behavioral Science Elective	_____	_____	_____

**CAD REQUIRED COURSES (24 Hours)**

DRFT	1122	CAD Careers and Applications	_____	_____	_____
DRFT	1234	Engineering Graphics I	_____	_____	_____
DRFT	2114	AutoCAD I	_____	_____	_____
DRFT	1244	Engineering Graphics II	_____	_____	_____
DRFT	2154	AutoCAD II	_____	_____	_____
DRFT	2333	Advanced 3D Modeling	_____	_____	_____
BADM	2703	Internship Experience	_____	_____	_____

**MECHANICAL DESIGN OPTION (18 - 21 Hours)**

**MECHANICAL DESIGN REQUIRED COURSES (12 Hours)**

DRFT	2533	Parametric Modeling (Inventor)	_____	_____	_____
DRFT	2523	Intro to Geometric Dimensioning & Tolerancing	_____	_____	_____
DRFT	2123	Advanced Engineering Graphics	_____	_____	_____
DRFT	2343	Design and Production Technology	_____	_____	_____

**MECHANICAL DESIGN ELECTIVE COURSES (CHOOSE 6-9 HOURS FROM)**

DRFT	2293	Computer Aided Manufacturing	_____	_____	_____
DRFT	2543	Advanced Parametric Modeling	_____	_____	_____
DRFT	2553	Parametric Modeling w/Solidworks	_____	_____	_____
DRFT	2593	Modeling and Presentation	_____	_____	_____
CISM	2123	Web Page Design	_____	_____	_____
GNEG	1103	Introduction to Engineering	_____	_____	_____
CISM	1223	Photoshop	_____	_____	_____
BLAW	2013	Legal Environment of Business I	_____	_____	_____
OSHA	2533	Safety and Health Risk Management	_____	_____	_____

**64 - 67 hours TOTAL for AAS CAD Mechanical Design Option**

(Not all courses are available each semester; consult catalog and Website to aid in planning.)

**15 Hours must be earned at NWACC to graduate**

**My advisor has explained this degree plan and I understand that I am responsible for following the above guidelines as defined in the college catalog for course prerequisites.**

**Advisor's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Student's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_