

**NorthWest Arkansas Community College**

**2015 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**

GENERAL EDUCATION REQUIRED COURSES (22 Hours)	COMPLETED	PREREQUISITE (see catalog)	GRADE
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 Public Speaking <b>OR</b>	_____	_____	_____
COMM 2503 Small Group Communication	_____	_____	_____
MATH 1203 College Algebra - Accelerated <b>OR</b>	_____	_____	_____
MATH 1204 College Algebra <b>OR</b>	_____	_____	_____
MATH 1204R College Algebra w/Review	_____	_____	_____
MATH 1213 Plane Trigonometry	_____	_____	_____
XXXX XXX3 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:** \_\_\_\_\_