

**NorthWest Arkansas Community College**

**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):

Name of Placement Test	Score
MATH 0013 Prealgebra	_____
MATH 0053 Beginning Algebra*	_____
MATH 0103 Intermediate Algebra*	_____
READ 0003 Preparing for College Reading	_____
READ 0033 College Reading*	_____
ENGL 004V Foundations of Writing	_____
ENGL 0053 Beginning Writing*	_____
ENGL 0063 Intermediate Writing*	_____

**RECOMMENDED SEQUENCE**

**DATE**

**COMPLETED PREREQUISITE (see catalog)**

**GRADE**

**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 Public Speaking <b>OR</b>	_____	_____	_____
COMM 2503 Small Group Communication	_____	_____	_____
MATH 1204 College Algebra	_____	_____	_____
MATH 1213 Plane Trigonometry	_____	_____	_____
XXXX XXX3 Social/Behavioral Science Elective	_____	_____	_____

*\*See Options Below*

**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 and Tolerancing	_____	_____	_____
DRFT 2123 Advanced Engineering Graphics	_____	_____	_____
DRFT 2343 Design and Production Technology	_____	_____	_____

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

DRFT 2543 Advanced Parametric Modeling	_____	_____	_____
DRFT 2293 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**

**\*Social/Behavioral Science Elective options: ANTH 1023, CMJS 2013, ECON 2013, ECON 2023, GEOG 1003, GEOG 1123, HIST 1003, HIST 1013, HIST 1033, HIST 1043, HIST 2003, HIST 2013, PHIL 2003, PHIL 2033, PLSC 2003, PLSC 2203, PLSC 2803, PSYC 2003, PSYC 2103, SOCI 2013, SOCI 2033, SOCI 2043.**

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

1 FY 2009-2010 Changes (Effective 2011-2012 Degree)

**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:** \_\_\_\_\_