

<b>NorthWest Arkansas Community College</b>	<b>Associate of Applied Science-Computer Aided Design (CAD) Mechanical Design 2018 Degree Plan</b>	
<b>Student Name:</b> <b>Student ID #:</b>		
<b>60 hrs</b>		
<u><b>General Education Required Courses (18 Hours)</b></u> <b>Recommended Sequence:</b> <input type="checkbox"/> CISQ 1103 Intro to Computer Information <b>OR</b> Computer Competency Testing <input type="checkbox"/> ENGL 1013 Composition I <input type="checkbox"/> ENGL 1023 Composition II <input type="checkbox"/> COMM 1303 Public Speaking <b>OR</b> <input type="checkbox"/> COMM 2503 Small Group Communication <input type="checkbox"/> MATH 1203 College Algebra Accelerated <b>OR</b> <input type="checkbox"/> MATH 1203 College Algebra <b>OR</b> <input type="checkbox"/> MATH 1203R College Algebra w/Review <input type="checkbox"/> XXXX XXX3 Social/Behavioral Science Elective*  <i>Honors and Global Studies courses will meet degree          requirements where applicable.</i>	<u><b>CAD Required Courses (24 Hours)</b></u> <input type="checkbox"/> DRFT 1122 CAD Careers and Applications <input type="checkbox"/> DRFT 1234 Engineering Graphics I <input type="checkbox"/> DRFT 2114 AutoCAD I <input type="checkbox"/> DRFT 1244 Engineering Graphics II <input type="checkbox"/> DRFT 2154 AutoCAD II <input type="checkbox"/> DRFT 2333 Advanced 3D Modeling <input type="checkbox"/> BADM 2703 Internship Experience  <u><b>Mechanical Design Option (18 Hours)</b></u> <b>Mechanical Design Required Courses (12 Hours):</b> <input type="checkbox"/> DRFT 2533 Parametric Modeling (Inventor) <input type="checkbox"/> DRFT 2523 Intro to Geometric Dimensioning & Tolerance <input type="checkbox"/> DRFT 2123 Advanced Engineering Graphics <input type="checkbox"/> DRFT 2343 Design and Production Technology	<u><b>Mechanical Design Option (cont.) (18 Hours)</b></u> <b>Mechanical Design Elective Courses (Choose 6 Hours):</b> <input type="checkbox"/> ART 1323 Three Dimensional Design <input type="checkbox"/> ART 1333 Two Dimensional Design <input type="checkbox"/> BLAW 2013 Legal Environment of Business I <input type="checkbox"/> CISM 1223 Photoshop <input type="checkbox"/> CISM 2123 Web Page Design <input type="checkbox"/> CST 1313 Materials of Construction <input type="checkbox"/> CST 2213 Construction Methods I <input type="checkbox"/> DRFT 2293 Computer Aided Manufacturing <input type="checkbox"/> DRFT 2543 Advanced Parametric Modeling <input type="checkbox"/> DRFT 2553 Parametric Modeling w/Solidworks <input type="checkbox"/> DRFT 2593 Modeling and Presentation <input type="checkbox"/> GNEG 1103 Introduction to Engineering
<b>&gt;&gt;&gt;Check the college catalog for possible prerequisites before enrolling in classes&gt;&gt;&gt;</b>		
<b>POSSIBLE PLACEMENT REQUIREMENTS</b> These courses are for developing college level skills. **Students scoring 77 or below on the Accuplacer Classis Reading, 251 or below on the Accuplacer Next Generation Placement Test, or 18 or below on the ACT Reading Placement Test shall enroll into either ENGA 0033 or ENGA 0091 during their first or second semester in college and each subsequent semester, if necessary, until the course is successfully completed.  NWACC strongly recommends that students enroll in English and math preparatory courses within the first two semesters.  <input type="checkbox"/> MATH 0012 Foundations of Quantitative Literacy <input type="checkbox"/> MATH 0013 Pre-algebra <input type="checkbox"/> MATH 0023 Developmental Math <input type="checkbox"/> MATH 0053 Beginning Algebra <input type="checkbox"/> MATH 0063 Algebra I <input type="checkbox"/> MATH 0073 Algebra II <input type="checkbox"/> MATH 0064 Foundations of Math Reasoning <input type="checkbox"/> MATH 0103 Intermediate Algebra <input type="checkbox"/> MATH 0214 Foundations of Algebra-STEM <input type="checkbox"/> ENGA 0033 College Reading** <input type="checkbox"/> ENGA 0063 Intermediate Writing <input type="checkbox"/> ENGA 0091 Academic Literacy Lab** <input type="checkbox"/> ENGC 0033 College Reading & Vocabulary <input type="checkbox"/> ENGC 0043 Communication & Culture <input type="checkbox"/> ENGC 0063 Intermediate Writing  <i>These hours will not fulfill any degree requirements at NWACC. These          courses will not transfer to a four year institution.</i>	<b>Notes:</b>  <i>*Social/Behavioral Science Elective Options:          ANTH 1023, CMJS 2013, ECON 2013, ECON 2023, GEOG          1003, GEOG 1123, HIST 1003, HIST 1013, HIST 1043, HIST          2003, HIST 2013, PHIL 2003, PHIL 2033, PLSC 2803, PSYC          2003, PSYC 2103, SOCI 2013, SOCI 2033, SOCI 2043.</i>  <i>15 hours must be earned at NWACC to graduate.</i>  <i>Not all courses are available each semester; consult catalog          to aid in planning.</i>	