## AAS Applied Pre-Engineering

62 CREDITS

**Description:** This flowchart is designed to quickly identify course prerequisites to assist in planning which courses should be taken first. The red arrows indicate when a class is a prerequisite for another class.

Instructions: This flowchart uses a bottom-up approach. Begin on Line 1 at the bottom of the chart. The General Education requirements are grouped together on the right of the chart, and the program requirements are to the left of the General Educations requirements. The courses can be taken in any order, but it is recommended that you take all of the courses on line 1, then all of the courses on line 2, and so forth. **KEY** Classes are pre-requisites \* Reading or Math Assessment Scores Required CNC 202 (3) EGR 102 (3) PHY 151 (5) Arts & Humanities 3-D Programming Introduction Physics for Scientists OR Social & and Rapid Protyping to Engineering and Engineers II 4 **Behavioral Science** for CNC Prerequisite: MAT 230 (3) Prerequisite: CNC 201 Prerequisite: MAT 187 and PHY 150. CNC 201 (3) MAT 230 (5) ENG (3)102 or 104 PHY 150 (5) One year of high school Computer Aided Calculus and College Composition II Physics for Scientists physics or PHY 111/PHY 112 Programming for CNC 3 Analytic Geometry is strongly recommended or Col. Comp. I Honors and Engineers Machining (ENG 101or 103 pre-req) Prerequisite: CNC 101 Prerequisite: MAT 220. Prerequisite: MAT 220 (may be taken (Recommended Composition) ncurrently ENG (3)101 or 103 Arts & Humanities MAT 220 (5) CNC 102 (2) ELT 130 (3) College Composition OR Social & Calculus and **CNC Machine Setup** Introduction 2 **Behavioral Science** Analytic Geometry to Robotics (3) Col. Comp. I Honors Prerequisite: MAT 187 or Prerequisite: CNC 101. MAT 152 and MAT 183 (Recommended Composition) CNC 101 (2) ELT 183 (3) CHM 151 (5) MAT 187 (5) CNC **Digital Circuits** General Precalculus **Machine Operator** Chemistry I (Required Physical and Biological Science)
Prerequisite: MAT 097 (Required Mathematics) Prerequisite: MAT 097. or higher or two years or two years of of high school algebra. high school algebra and

one year of geometry