



## Technical Certificate Advanced Manufacturing (33 ch) Computer Aided Design Pathway

### Program Description:

ASUN's Advanced Manufacturing Technology program teaches the skills you need for today's manufacturing facilities and machine shops. The manufacturing industry uses advanced computer-aided drafting, programming, machining and computer numerically controlled machines (CNC) to design, manufacture and deliver products to the customer. Students receive hands-on experience in, computer numerically controlled machines, computer-aided design and drafting, and machining.

First Semester			Second Semester		
Course No.	Course Name	Hours	Course No.	Course Name	Hours
WELD2513	Blueprint Reading	3	ADVM1253	Geometric Dimensioning and Tolerancing	3
TECH1033	Computer Aided Design	3	ADVM1134	Job Planning Benchwork and Layout	4
ADVM1264	CAD/CAM	4	ADVM2264	Advanced CAD/CAM	4
MIS1033	Intro to Computers	3	ENG1203	Workplace Essentials	3
ADVM1123	Materials Measurements and Safety	3		Technical Elective	3
<b>Total Hours</b>		<b>16</b>	<b>Total Hours</b>		<b>17</b>

### ADDITIONAL NOTES:

Technical Elective may be taken from: ADVM, BSYS, MATH1013 Mathematical Applications, MIS, TECH, or WELD