



## Technical Certificate Advanced Manufacturing (33 ch) Machining 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.

Year 1					
First Semester			Second Semester		
Course No.	Course Name	Hours	Course No.	Course Name	Hours
ADVM 1123	Materials Measurement and Safety	3	ADVM1223	Manual Milling	3
ADVM 1134	Job Planning, Benchwork, and Layout	4	ADVM1233	Manual Lathe	3
ADVM 1144	CNC Turning	4	ADVM1242	Surface Grinder	2
ADVM 1154	CNC Milling	4	ADVM1253	Geometric Dimensioning and Tolerancing	3
			ADVM1264	CAD/CAM	4
			ENG 1203	Workplace Essentials	3
<b>Total Hours</b>		<b>15</b>	<b>Total Hours</b>		<b>18</b>

### ADDITIONAL NOTES: