



Welding & CNC Manufacturing Technology Pathway

CNC Machining - \$25 app fee (one time) and \$31 registration fee

MED 100 – AutoCAD I

3 Credit Hours/50 Contact Hours/\$520

Reading, sketching and interpreting working drawings. Symbolism, conventional practices and standards used in the drafting area are studied. Concentration will be on the machine part drawings.

FMS 103 - CNC Programming

3 Credit Hours/50 Contact Hours/\$520

NC/CNC Control System covers the basic principles of computerized numerical control. Emphasis is placed on the programming of CNC milling machines and CNC lathes. Topics include point to point, continuous path, canned cycles, fourth axis programming, and machining techniques. The equipment used in this course is industrial grade which would be used on the job.

Total package cost, including books - \$1040.00

The above courses count for 6 credit hours toward an Associate of Technical Studies (ATS) degree.

Additional course requirements: (All courses in degree, including courses listed above, are listed by category and can be adjusted based on student interest.)

<u>General Studies</u>	<u>Basic Studies</u>	<u>Technical Studies</u>
COM 111 – English Composition	SDE 101 – 1 st Year Experience	MED 100 – AutoCAD
MTH 125 – Math I	CPT 125 –Computer Apps	FMS 103 – CNC Programming
Social Science Elective (5 hrs)	BET 112 - Physics of Mechanics	FMS 221 – CAM/CNC Machining
COM 211 – Public Speaking	ENV 100 – Env-Health-Safety	FMS 222 – Adv CAM/CNC Mach
COM 114 – Technical Writing	IET 110 – Mfg. Mgmt	IMT 261 – Welding I
	CHM 111 – Intro Chemistry	IMT 262 – Welding II
		MET 111 – Mfg Processes
		QET 111 – Intro Quality
		Tech Studies Electives, (18 hrs.)

ATS degree totals 90 credit hours

For a complete list of course titles and descriptions, refer to the Rhodes State College course catalog.

For more information, contact Doug Durliat 419-995-8353 or durliat.d@rhodesstate.edu