

COMPUTER NUMERICAL CONTROL CERTIFICATE

J. Erik Robey, BS, PE/PS, **Chair**
 Phone: (419) 995-8071
 Email: robey.e@rhodesstate.edu
 Office: JJC 132



Students completing the Computer Numerically Controlled (CNC) Certificate have the skills to operate and program CNC lathes and mills. Students completing this certificate learn to program manually using M and G Codes and using MasterCAM.

All students successfully completing the Manufacturing Engineering Technology (FMS) degree are eligible for this certificate. Students completing the Mechanical Engineering Technology (MET) degree only need to take one additional course, FMS 2220 CAM/CNC Machining II, to gain this certificate.

Mechanical Engineering Technology Major

Technical Standards

See here for details.

Code	Title	Hours
FMS 2210	CAM/CNC Machining I	3
FMS 2220	CAM/CNC Machining II	3
SDE 1010 	First Year Experience	1
		
Math Elective		
Minimum 3 Credits		
IMT 1911	Technical Math I	3
MTH 1210	Mathematics I	3
MTH 1370	College Algebra	4
Mechanical Elective		
Minimum 7 Credits		
ENV 1300	OSHA Regulations and Safety	3
MET 1000	Engineering Graphics with AutoCAD	3
MET 1010	Blueprint Reading and Sketching	3
MET 1020	Material Science	3
MET 1110	Manufacturing Processes	3
MET 1130	Statics	3
MET 2210	Strength of Materials	3
MET 2310	Fluid Power	3
MET 2440	Computer Aided Design	3
Total Hours		16