MACHINE TOOL TECHNOLOGY
Associate of Applied Science Degree
Advanced Manufacturing

HOW TO APPLY

• Complete an application to Calhoun Community College (calhoun.edu/apply) and receive your Calhoun student ID number

• Complete the AMP program application (calhoun.edu/AMP)

• You will need to have a chronological resume to attach to the AMP application

• Don’t forget to complete your FAFSA (Free Application for Federal Student Aid) (fafsa.ed.gov) and apply for scholarships.

APPLY TODAY!

Use the camera on your smartphone to scan this QR code, which will take you to our program page:

Contact Nathan Steele (256) 260-4326, nathan.steele@calhoun.edu or Tad Montgomery (256) 306-2539, tad.montgomery@calhoun.edu to learn more.

SEMESTER 1:
ADM 101 Precision Measurement
MTT 147 Introduction to Machine Shop I
MTT 148 Introduction to Machine Shop I Lab
MTT 138 Milling I Lab
MTT 121 Basic Blueprint Reading for Machinists

SEMESTER 2:
ENG 101 English Composition
*MTH 100 Intermediate College Algebra
ADM 111 Manufacturing Safety Practices
MTT 149 Introduction to Machine Shop II
MTT 150 Introduction to Machine Shop II Lab

SEMESTER 3:
*MTH 103 Introduction to Technical Mathematics
MTT 141 Basic CNC Milling
MTT 241 CNC Milling Lab I
ADM 106 Quality Control Concepts
SPH 107 Fundamentals of Public Speaking

SEMESTER 4:
MTT 140 Basic CNC Turning
MTT 243 CNC Turning Lab I
ADM 105 Fluid Systems
ADM 108 Intro to 3D Modeling
Social Science Elective

SEMESTER 5:
MTT 213 Advanced CNC Milling
MTT 242 CNC Milling Lab II
MTT 212 Adv. CNC Turning
ADM 104 Intro. To Thermal/Electrical Principals
Humanities Elective

TOTAL: 75 CREDIT HOURS

*If student plans to pursue a bachelor’s degree or further education MTT 112 Precalculus Algebra and MTT 113 Precalculus Trigonometry can be substituted.

ADVANCED CNC CERTIFICATE - SEMESTER 6:
MTT 219 CNC Graphics: Milling (Advanced Cad Cam)
MTT 220 CNC Graphics Turning (Advanced Cad Cam)
MTT 281 Special Topics (Intermediate 3D Modeling)
MTT 282 Special Topics (Multi-Axis machining)

TOTAL: 12 CREDIT HOURS
WHAT MAKES AMP DIFFERENT?

• Advanced CNC Machine Tool Curriculum (5 Semesters for AAS degree plus 1 semester for Advanced CNC Certificate).
• There is a well-defined criteria for acceptance into the AMP Program.
• Students attend class two days a week for an average of 8 hours per day, and get paid to work for one of our industry partners three days per week.
• Prior to selection into the program, students sign a commitment towards consistent attendance, proper attire, and professional behavior.
• Soft skills, such as Lean manufacturing processes, and problem solving are integrated into the AMP Program.

FREQUENTLY ASKED QUESTIONS

Do I get to choose my sponsor company?
Companies select students on a draft system. You have the right to refuse an offer, but there is no guarantee another company will select you.

Will I be hired at my sponsor company?
Maybe. There is no obligation for the sponsor company to hire you, nor are you obligated to stay after graduation. Several factors are considered in this situation.

How many students are accepted into the program each year?
Students are accepted based on the number of company sponsorships available.

APPLICATION REQUIREMENTS

• Applicant must be eligible to take MTH 100 & ENG 101 at Calhoun Community College.
• Must have a desire to be a professional machine tool technician, and be at least 18 years of age by June 1 of the application year.
• Participation in STEM (Science, Technology, Engineering, & Math) such as BEST Center, Robotics Career Technical Coursework, or Project Lead the Way is preferred.