



CNC Technology Diploma (CT12)- 51 Credit Hours

Program Description:

The CNC Technology diploma program is a sequence of courses that prepares students for careers in the CNC technology field. Learning opportunities develop academic, technical, and professional knowledge and skills for job acquisition, retention, and advancement. The program emphasizes a combination of CNC theory and practical application necessary for successful employment. Graduates may find employment as CNC technicians or machine tool technicians or in a related field. Salaries in this occupation are estimated at \$33,470 – \$48,510 per year. (BLS.gov May 2022)

Contact:

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Website:

<https://www.westgatech.edu/program-explorer/manufacturing-and-production/precision-machining-and-manufacturing/>

Pre-Diploma Requirements

Program Specific

- Min GPA 2.0
- Carrollton, CEC (Newnan), and LaGrange Campus
- Prerequisites – Minimum Grade of C required

Set the Track, Start the Track, Stay on Track

Meet with an Advising Coach to Stay on Track. S = Semester; CR = Credit Hours; FA = Fall; SP = Spring; SU = Summer; ALL=any semester

| ✓ | Grade | Fall Semester 1 | S | CR | Notes & Milestones |
|---|-------|--|-------|-----------|---|
| | | MATH 1012 Foundations of Mathematics | ALL | 3 | |
| | | MCHT 1011 Introduction to Machine Tool | ALL | 4 | |
| | | MCHT 1012 Print Reading for Machine Tool | ALL | 3 | |
| | | Occupational Elective: MCHT 1030 Applied Measurement | ALL | 3 | Students may also choose AMCA 2170, IDSY 1260 or WELD 1000. Meet with Faculty Advisor |
| | | | | 13 | Program Semester Hours |
| ✓ | Grade | Spring Semester 2 | S | CR | Notes & Milestones |
| | | MCHT 1013 Machine Tool Math | ALL | 3 | Student may also use MATH 1013 or MATH 1015 |
| | | MCHT 1020 Heat Treatment and Surface Grinding | ALL | 4 | |
| | | MCHT 1120 Mill Operations I | FA SP | 4 | |
| | | ENGL 1010 Fundamentals of English I | ALL | 3 | |
| | | | | 14 | Program Semester Hours |
| ✓ | Grade | Summer Semester 3 | S | CR | Notes & Milestones |
| | | EMPL 1000 Interpersonal Relations and Professional Development | ALL | 2 | |
| | | AMCA 2110 CNC Fundamentals | ALL | 4 | |
| | | AMCA 2190 CAD/CAM Programming | ALL | 4 | |

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|--|--------------|---------------------------------|----------|-----------|-------------------------------|
| | | | | 10 | Program Semester Hours |
| ✓ | Grade | Fall Semester 4 | S | CR | Notes and Milestones |
| | | AMCA 2130 CNC Mill Programming | FA SP | 5 | |
| | | AMCA 2150 CNC Lathe Programming | FA SP | 5 | |
| | | MCHT 1119 Lathe Operations I | FA SP | 4 | |
| | | | | 14 | Program Semester Hours |
| Always check online https://www.westgatech.edu/ and meet with your Advising or Faculty Coach to ensure you are viewing the latest and most accurate information. | | | | | |

Employment Opportunities: <https://www.westgatech.edu/student-life/career-services/>

Financial Aid by Program: <https://www.westgatech.edu/wp-content/uploads/2019/02/WGTC-Available-Aid-By-Program-11-17-2023.pdf>

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