



Lower Columbia College

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[lowercolumbia.edu/machining](https://lowercolumbia.edu/machining)



**Prepare for a career  
in the trades**

**MACHINE TRADES**

LCC is an AA/EEO employer - [lowercolumbia.edu/aa-eeo](https://lowercolumbia.edu/aa-eeo)

LCC Clery Annual Security and Fire Safety Report available at [lowercolumbia.edu/CleryASFR](https://lowercolumbia.edu/CleryASFR)



## OVERVIEW

Almost every object you see in the world contains parts created by a machinist – including desks, chairs, cars, and airplanes. Machinists use high-tech machines to shape things out of metal, plastic, ceramics, and composites. You can choose from two certificates in this pathway – machinist and computer numerical control – and/or earn an associate degree in machine trades.



## SKILLS & ABILITIES

- Blueprint reading
- Machine shop
- Computer integrated manufacturing
- Computer numerical control
- Foundational skills for the trades
- Industrial safety
- Manufacturing processes
- Industrial communications
- Industrial math
- Human relations
- First Aid/CPR

## DEGREE OPTIONS

Students who attend full-time can earn a machinist or computer numerical control certificate in three quarters (one academic year) and an associate degree in machine trades in three additional quarters (two academic years total).

## CAREER PATHS

The machine trades path can lead to a long-term career with a good salary, job advancement opportunities and the chance to work with cutting-edge technology.

- Gear machinist
- Journeyman machinist
- Machine operator
- Machine repair person
- Maintenance machinist
- Maintenance specialist
- Production machinist
- Set-up machinist
- Tool & die maker
- Tool room machinist
- Maintenance & repair
- Millwright

## APPRENTICESHIP PATHWAYS

Use the skills you gain in this program to enter an apprenticeship pathway with machinists-boilermakers, operating engineers, machinists and aerospace workers, or industrial maintenance millwrights.

