



CORY

ADVANCED CNC MACHINIST

JASPER ENGINES AND TRANSMISSIONS

TOP 5 SKILLS AND ABILITIES

- Computer Programming
- Geometry and Trigonometry
- Problem Solving Skills
- Spatial Reasoning
- Technical Design

CURRICULUM RESOURCES

- Fix the Playground (K-2)
- Machining with Friends (3-5)
- Coordinate Planes (6-8)
- Drawing in Detail (9-12)

ABOUT CORY

Cory is an advanced CNC machinist at Jasper Engines and Transmissions in Jasper, Indiana. CNC stands for Computer Numerical Control and describes how the machines use coordinate programming and mapping to guide equipment like mills, routers, or lathes. Machinists like Cory use math and computer skills to program machines to create objects out of a block of metal, plastic, wood, or other material. What Cory loves most about his job is taking raw materials and turning them into something useful. To create new parts, CNC machinists have to take technical drawings and convert them into a series of instructions for the milling machine. He then programs the CNC machine to precisely carve the raw metal into parts for engines and transmissions.

After high school, Cory earned an associate’s degree and enlisted in the army. Following a ten year career as a tank operator, Cory returned to civilian life looking for a new career. His family recommended precision machining as something he might enjoy. After earning a second associate’s degree from Vincennes University, this time in Precision Machining Technology, Cory was hired on at Jasper Engines. He believes that the teamwork and leadership skills developed through his military training help him excel in his work. He is excited about the advancement opportunities the company offers.

“Just having a raw piece of material and forming something new out of it intrigues me.”

Precision machinists are trained to program and run CNC machines in addition to manual machining, metal stamping, and plastic injection mold building. These skills prepare them for many jobs in advanced manufacturing in Indiana today.

[Click here to see Cory on the job!](#)

Related Careers	Required Degree or Certification	Median Income
CNC Operator	High School Diploma	\$42,190
CNC Machinist		\$50,270
CNC Maching Tool Programmer	Apprenticeship/ Associates Degree	\$50,270
Tool and Die Maker		\$56,310
Mechanical Engineering Technician		\$60,260
Industrial Designer	Bachelor Degree	\$64,390+
Manufacturing/Process Engineer		\$76,730+
Mechanical Engineer		\$83,600+

POST-SECONDARY PROGRAMS IN MACHING AND ENGINEERING TO EXPLORE

Ivy Tech

- CNC Production Machinist Certificate
- Machine Tool Technology Certificate
- Machine Tool Technology (AS)

Purdue University

- Industrial Engineering

Purdue Polytechnic

- Manufacturing Engineering Technology

Vincennes

- Industrial Technology Certificate
- Metalworking Technology Certificate
- Machinery Repair Assistant Certificate
- Mechanical CAD Certificate
- Advanced CNC Machining & Programming (ASCT)
- Precision Machining Technology (ASCT)
- Advanced Manufacturing Technology Industrial Maintenance (AS)