Robotics/CNC Technology

Take your ideas, designs and sketches and translate them into real-life 3D designs, blueprints and more. Students develop strong skills in this industry by using CAD, 3D Inventor, and various interactive simulation software that leads them into a career pathway that may include CNC programmer, equipment repair technician, machine control technician, or production machinist. Students are also prepared to advance their education towards a prospective career in mechanical or industrial engineering.

STUDENT PURCHASED TOOLS:

- Safety Glasses; NO tint! (3 pair recommended)
- 2GB flash drive
- 1" 3 ring binder

UNIFORM DETAILS:

Uniforms are ordered through the Apollo website. All students who were accepted prior to the first day of school are expected to be in uniform by September 14th. Students accepted within the first two weeks of school must be in uniform by October 1st. Students who are not in uniform by these deadlines may be sent home or have daily grade reductions for professionalism.

Purchased through online portal:

- Work Shirt (recommend three)
- Hoodie
- Winter Jacket

Can be purchased anywhere:

- Black jeans or black work pants
- Steel toe boots or shoes

Pants can't drag on the floor and must be pulled up. Shirts will be tucked in and belts worn. Clothes must be clean. No facial piercing. Safety glasses and work shoes will be worn during all labs and activities.

SKILLS LEARNED:

- ✓ Blueprint reading
- ✓ CAD
- ✓ Robotics
- ✓ CNC Programing/MasterCam
- ✓ Machining
- ✓ Design/3D modeling
- ✓ Operation of: lathes, milling machines, grinders, drills, computer controlled machines

CREDENTIALS STUDENTS CAN EARN:

- ✓ Yaskawa (6 Points)
- ✓ Fanuc (6 Points)
- ✓ Nims (12 Points)
- ✓ Students may earn up to 6 cost-free college credits.

ACTIVITY DUES:

- ✓ $35

TYPICAL SCHOOL DAY SCHEDULE:

**some schedules may vary*

- ✓ 8:00 am – 2:25 pm
  (buses leave at 2:20, drivers at 2:25)
- ✓ First-year students have lab in the morning and second-year students have lab in the afternoon.

INSTRUCTOR

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