PRE-ENGINEERING

MOUNTAIN INSTITUTE

Precision Machining/Robotics

2012–2013

Without the Engineering Industry we would still be taking our horse and buggy to school. This industry has been vital in technically advancing our world. Are you intrigued by how things work? Do you think about how to make things better? If so, sign up today for the Pre-Engineering Program of Study! Learn about designing and making parts that are used in every other industry in the world giving people safer and better lives.

LENGTH OF PROGRAM 2 Years

GRADE LEVEL REQUIREMENT Juniors | Seniors

PREREQUISITES

- Algebra II or concurrent enrollment
- Application and Interview

CLASS SCHEDULE 2.5 hours per day Monday – Thursday

INDUSTRY CERTIFICATION

HAAS Certification which includes: CNC Operator Class, CNC Tool Setter, CNC Cam Designer, CNC Cam – 3d Rapid Proto-Typing ISCET (International Society of Certified Electrical Technicians) which includes a Certification in Digital Circuitry (this is optional and costs $75)

CREDITS 6 High School Credits (3 per year)
Up to 26 Yavapai College Credits for 2 years

STARTING SALARY RANGE $24,960 to $62,400 annually or $12.00 to $30.00 hourly*

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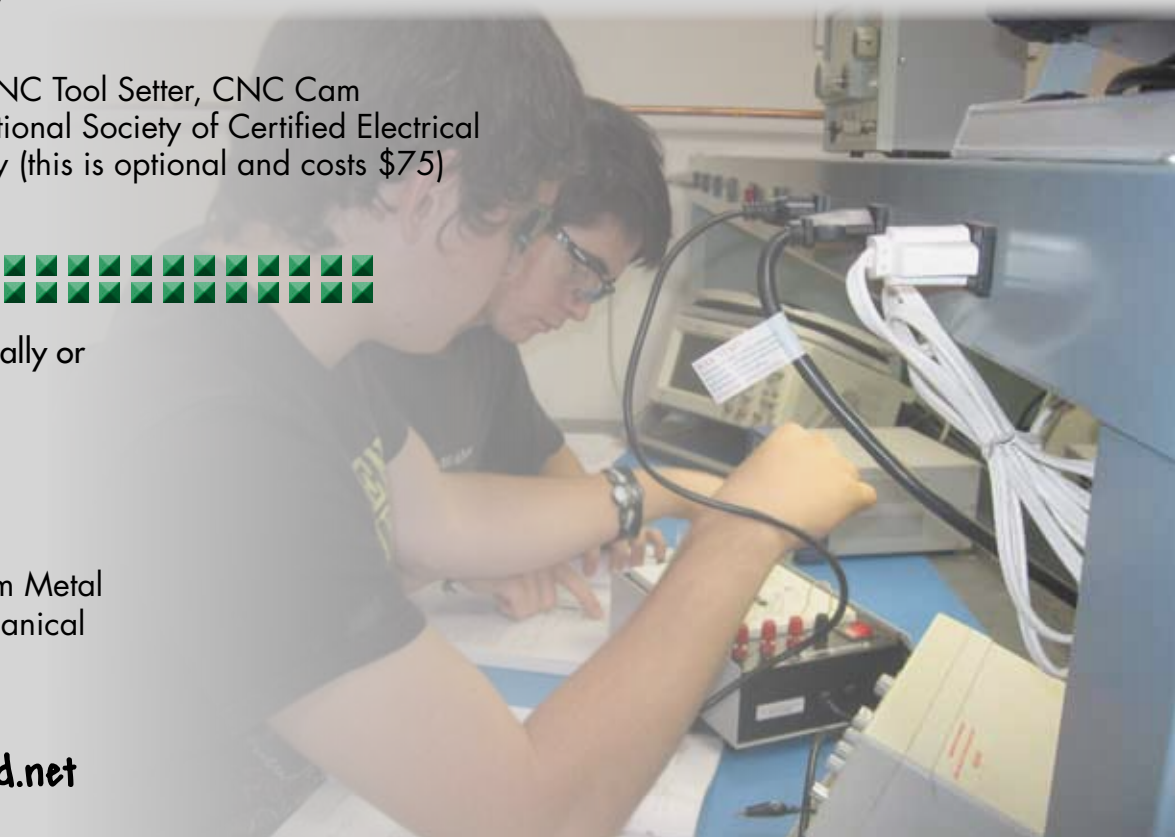
CAREER OPPORTUNITIES CNC Mill, Lathe Operator, Industrial Machinist, Manufacturing, Air Craft Design, Custom Metal Manufacturing, Engine Repair, Custom Engine Design, Mechanical Engineering, CNC Tool Setter, CADD/CAM Designer.

* (Gathered from 2010 Occupational Outlook Handbook at www.bls.gov)

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