



NIMS®

Accredited Training Program



Join the Simi Institute Machine Technology Program and receive personalized training with no prior experience required. With our flexible open lab hours, you can choose a schedule that best suits your busy lifestyle. Students must be able to speak, read, and write English at a 9th grade level.

DISCOVER A REWARDING

*career in manufacturing
through our NIMS Accredited
Machine Technology program.
We are proud to offer training
on state-of-the-art HAAS
CNC machines and the latest
versions of MasterCAM.*



Simi Institute
FOR CAREERS & EDUCATION



805.579.6200
EXT. 1766

*1880 Blackstock Ave
Simi Valley, CA 93065*

SIMIINSTITUTE.ORG



Simi Institute
FOR CAREERS & EDUCATION

MACHINE TECHNOLOGY



BASIC MACHINE SHOP

This class lays the foundation for many jobs in a machine shop and offers an introduction to the shop environment. Learn about work, work holding, how to calculate spindles speeds, using measuring tools and many other basic machinist operations.

Prerequisites: None



RECEIVE HANDS-ON TRAINING WITH:

- *Lathes*
- *Mills*
- *Hand Tools*
- *Safe Shop Practices*
- *Blueprint Reading*
- *Shop Math*

CNC OPERATIONS & PROGRAMMING

This course features instruction on how to perform setups on the CNC mill and lathe. Learn how to edit G-code programming by hand, and write the programs necessary to make 12 projects by the end of the class.

Prerequisites: Basic Machine Shop or equivalent shop experience

CLASS PROJECTS GIVE AN INTRODUCTION TO:

- *Mill Setup*
- *Lathe Setup*
- *Simple G-Codes*
- *Canned Cycles*
- *Sub-routines*
- *Sub-programs*
- *Advanced Shop Math*

ADVANCED CNC PROGRAMMING CONCEPTS

This advanced intensive course covers programming in multiple coordinate systems; trigonometry and offsetting geometry; thread milling; 4th axis milling; and live tooling in a lathe program and simulated y-axis.

Prerequisites: Prior CNC work experience or education

INTRODUCTION TO CAD / CAM PROGRAMMING

Learn how to draw, import, and program parts in industry-leading software for CAD / CAM machining.

Prerequisites: CNC Operations and Programming course, and approval from instructor



CERTIFICATES OFFERED

- *Basic Machine Shop*
- *Advanced Machine Shop*
- *CNC Operations & Programming*
- *Introduction to MasterCAM*
- *Introduction to GibbsCAM*