

Students Career Success is our Number One Priority”

To ensure that our students can easily assimilate and excel in the workplace, we strongly stress on real work experience. Our students interact, work and learn tighter as a team.

REMOVING LEARNING OBSTACLES

We carefully craft our instructions to remove learning obstacles for our Vietnamese students. Our unique methods ensure that our students have a clear and optimal understanding of the materials in their native language, and that this knowledge-base is transferred to English and applied successfully.

LIFE-TIME TECHNICAL SUPPORT

We provide free life-time technical support on any subjects you studied. You can also retake any courses at no charge to you as long as the course is still offering at Au Lac Institute

***“Our dedication to the students”
Success and our innovative teaching format make learning easy and more efficient.”***

Au Lac Institute is Certified with the State of California Bureau For Private Postsecondary / And Vocational Education

APPROVED/REGISTERED PROGRAM

- Accounting/Bookkeeping
- Administrative Technician/Customer Service
- Computer Programming
- Electronics Engineering Technician
- Internetworking Engineering
- Marketing / Sale
- Microsoft Database Administrator
- Microsoft Solutions Developer
- Networking engineering
- PC Specialist / A+
- Web Development



AU LAC INSTITUTE

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CNC MASTERCAM X5 MILL

AU LAC INSTITUTE

SCHOOL OF NEW TECHNOLOGY



PROGRAM OBJECTIVE

This course is designed as beginner to advanced reference guide for complete CNC Programming for most today's Numerical Controls. Covers from basics to advance CNC programming, with step-by-step coverage of machining processes, an introductory chapter on CAD/CAM, and an overview of MasterCAM.

Course objectives:

- ◆ Students will gain the intermediate knowledge, using Geometry function to draw 2D product:
 - ◇ Rectangle
 - ◇ Lines
 - ◇ Arcs: Circles and Ellipse
 - ◇ Polygon
 - ◇ Fillets and Chamfer
 - ◇ Drafting to show the dimension of products

- ◆ Practice to create Surface and Toolpath:
 - ◇ Facing Toolpath
 - ◇ Contour and Open Contour Toolpaths—2D Toolpath (chamfer)-Contour Remachining
 - ◇ Pocket and Open Pocket Toolpath
 1. Open Pocket Toolpath
 2. Pocket Remachine Toolpath
 3. Pocket Island Facing Toolpath
 - Drill Toolpaths
 - Slot Mill Toolpath
 - 2D High Speed Toolpaths:
 - a. 2D High Speed Area Mill Toolpath
 - b. 2D High Speed Core Mill Toolpath
 - c. 2D High Speed Blend Mill Toolpath
 - d. 2D High Speed Pell Mill Toolpath
 - e. 2D High Speed Rest Mill Toolpath
 - f. 2D High Speed Dynamic Contour Toolpath
 - g. 2D High Speed Dynamic Core Mill Toolpath
 - h. 2D High Speed Dynamic Area Mill Toolpath

4. Transform Toolpath
5. Circle Mill Toolpath
6. Feature base Drilling (FBD) Toolpath
7. Feature Base Milling (FBM) Toolpath

