



January through June, 2012

Learn Something new! Discover something you didn't know.

There is more to know! Whether you are just getting started with WorkNC or if you've used WorkNC for years. The structured training programs developed by WorkNC's Technical Engineers are designed to help you develop basic skills to get a job running all the way through advanced user levels. Learn the skills you need to use features you probably don't know even exist and are at your fingertips.

Course Descriptions

WorkNC Basic Training I

Price: \$425 Duration: 1 day

This is the first class to take for learning WorkNC. It allows those unfamiliar with WorkNC to gain a basic understanding of the user interface and how to cut parts.

Content: Introduction to WorkNC – Getting started with WorkNC – WorkNC License server – Defining a machining strategy – Visualizing and editing toolpaths – Post Processing the toolpaths – Batch Processing – Open Forum

***** **Promotion:** Take Basic 1 and Basic II together for only \$750 *****

2012 dates: 01/10, 02/14, 03/13, 04/16, 05/09, 06/04

WorkNC Basic Training II

Price: \$425 Duration: 1 day

This class builds on the Basic 1 class. It goes deeper into the WorkNC interface, and covers new, slightly more advanced topics. After Basic 1 and Basic 2, users should be baseline proficient with WorkNC and how to make cutterpaths.

Content: WorkNC menu functions – Machining sequences – Axis systems – Boundary curve creation – VisuNC display options – IGES – WorkNC translation of curves, points and surfaces – Open Forum

***** **Promotion:** Take Basic 1 and Basic II together for only \$750 *****

2012 dates: 01/11, 02/15, 03/14, 04/17, 05/10, 06/05

WorkNC Advanced Training I

Price: \$450 Duration: 1 day

This class is often taken one or two months after Basic 1 or Basic 2, once the WorkNC user has some experience, and some questions. This class covers topics that can improve cutterpath generation and the milling process.

Content: WorkNC menu functions – Machining sequences – WorkNC status symbols – Merged Surfaces – Masking data – Stock Model – VisuNC toolpath editing – Machining Window, View, boundary and plane – Batch Mode calculation – setting up default parameters – VisuNC shortcuts/display options – Machining with Rotary heads and tables – Holder Library – Tool Holder Collision checking – Surface Lists – Open Forum.

***** **Promotion:** Take Advanced 1 and Advanced II together for only \$800 *****

2012 dates: 01/17, 02/21, 03/19, 04/23, 05/15, 06/19

WorkNC Advanced Training II

Price: \$450 Duration: 1 day

Similar to Advanced 1, this class has some advanced topics for the experienced WorkNC user. Many of the routines shown are specialized tactics for special circumstances.

Content: WorkNC High Speed Machining for roughing and finishing – High Volume Roughing – Tool Library – Rest Material Functions – using alternate axis systems – Curve Machining cutterpaths, Tangent to curve, Curve re-machining, on curve engraving, pocketing, drilling, hole boring, tapping – Machining STL data – Internal scaling factor – advanced post processor options – open forum

***** **Promotion:** Take Advanced 1 and Advanced II together for only \$800 *****

2012 dates: 01/18, 02/22, 03/20, 04/24, 05/16, 06/20

WorkNC 5-Axis Machining

Price: \$500 Duration: 1 day

Content: 5-axis toolpaths – 5 axis VisuNC – 5-Axis toolpath editor – 5-axis collision checking – virtual machine simulation for 3 axis, 3+2 axis and 5 axis – detection of collisions and limits for varying machine configurations in addition to the tool and tool holder – Auto5 module for deep parts. Students are encouraged to bring their own parts and machine design for their own use and customization. Open Forum

2012 dates: 01/19, 02/23, 03/21, 04/26, 05/08, 06/21

WorkNC-CAD for Machinists Training

Price: \$850 Duration: 2 days

This class is for the person that wants to use CAD functions to modify or fix their CAD model prior to making cutterpath. It is also useful for WorkNC users that need advanced functionality such as Electrode extraction, Core Cavity separation or to relieve inside radii on dies. This class covers 3D geometry creation, but not dimensioning or drafting.

Content: Viewing files – dynamic pan, rotate and zoom – Zoom Window – OpenGL analysis, curvature, draft, sections, elevation and planar/vertical areas – Workplane grid – object snaps – Wireframe creation – Creating: Lines, Arcs, Points, Circles, Spline curves, Surface Creation Functions, Surface edition functions, Surface Trimming, Filling – Part Transformations -Mold Functions, core cavity separation, electrode creation, pocket, inserted element, section cuts, part line – Connecting to WorkNC, create workzone, add geometry to zone, coordinate systems – Die Functions, sorting fillets, adjusting fillets – Open Forum

2012 dates: 01/24-25, 02/28-29, 03/27-28, 04/18-19, 05/22-23, 06/06-07

WorkNC-CAD Dimensioning and Drawing

Price: \$975 Duration: 3 days

Contains all of the data from the WorkNC-CAD for Machinists class plus: Dimensioning, curve dimensions, continuous dimensions, comments, angular dimensions, arc length, coordinate dimension, XYZ dimensioning – Change Style, modify dimensions, modify units, modify decimal places – Cross hatching – Additional Mold Function – Bounding Box – 3D grid – Automatic Drafting – Coolant lines – bill of material – File Comparison – OPEN Forum - Note third need not be taken continuous with the first two days.

2012 dates: 01/24-26, 03/27-29, 05/22-24

Feature Recognition

Price: \$450 Duration: 1 day

Classroom training of how to run feature recognition. This class will also examine setting up template files and tool libraries for feature milling. Lastly, it will cover some options specific to post processors when using feature recognition. It is recommended people bring to this class a tool list of tools and common features to program and take back with them.

2012 dates: 01/12, 02/16, 03/22, 04/25, 05/17

**All classes are from 8:00am to 4:00pm unless noted otherwise.
Basic refreshments will be provided, but lunch will not.
Unless noted otherwise, all classes are held at:
Sescoi Inc. 2000 Town Center, Suite 1730 Southfield, MI 48075
To register, please call our office at 248-351-9300.
Payment by check or credit card prior to training required.**



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* Training costs are per student, per day and in U.S. funds. Payment by check or credit card required prior to attending training. Two week's notice required cancel training, if under two weeks a 15% service fee may apply. No same day cancellations. Actual topics of discussion are subject to change due to the acceptance of suggestions, audience participation, audience preference and allotted time.