

If you are thinking about enrolling at ICTC,
 please bring this completed chart
 to

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Machining Technology - Detailed Skill Assessment

Name:	School:	Grade:
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Academics:	Present Level	If there is a gap, indicate Planned Action
Algebra I		
Algebra II		
Geometry		
Calculus		
11th Grade Reading and Comprehension Levels		
Oral and Written Communication		
Advanced Computer Skills - Hardware/Software		
Physics		
Chemistry		
Ecology - Impact of the POS on the Environment		

Abilities: (see glossary below)		
Arm-Hand Steadiness		
Manual Dexterity		
Control Precision		
Finger Dexterity		
Multilimb Coordination		
Near Vision		
Information Ordering		
Problem Sensitivity		
Reaction Time		
Selective Attention		
Visualization		
Deductive Reasoning		
Inductive Reasoning		
Oral Comprehension		
Oral Expression		
Written Comprehension		
Category Flexibility		
Rate Control		
Speech Recognition		
Depth Perception		
Perceptual Speed		
Speech Clarity		
Extent Flexibility		
Far Vision		
Fluency of Ideas		
Mathematical Reasoning		
Response Orientation		
Trunk Strength		
Wrist-Finger Speed		
Written Expression		
Auditory Attention		
Flexibility of Closure		
Hearing Sensitivity		
Number Facility		
Static Strength		
Time Sharing		
Visual Color Discrimination		

Memorization		
Originality		
Speed of Closure		
Dynamic Strength		
Gross Body Coordination		
Speed of Limb Movement		
Stamina		
Spatial Orientation		
Gross Body Equilibrium		
Sound Localization		
Glare Sensitivity		
Night Vision		
Peripheral Vision		
Dynamic Flexibility		
Explosive Strength		

Glossary

Arm-Hand Steadiness — The ability to keep your hand and arm steady while moving your arm or while holding your arm and hand in one position.

Manual Dexterity — The ability to quickly move your hand, your hand together with your arm, or your two hands to grasp, manipulate, or assemble objects.

Control Precision — The ability to quickly and repeatedly adjust the controls of a machine or a vehicle to exact positions.

Finger Dexterity — The ability to make precisely coordinated movements of the fingers of one or both hands to grasp, manipulate, or assemble very small objects.

Multilimb Coordination — The ability to coordinate two or more limbs (for example, two arms, two legs, or one leg and one arm) while sitting, standing, or lying down. It does not involve performing the activities while the whole body is in motion.

Near Vision — The ability to see details at close range (within a few feet of the observer).

Information Ordering — The ability to arrange things or actions in a certain order or pattern according to a specific rule or set of rules (e.g., patterns of numbers, letters, words, pictures, mathematical operations).

Problem Sensitivity — The ability to tell when something is wrong or is likely to go wrong. It does not involve solving the problem, only recognizing there is a problem.

Reaction Time — The ability to quickly respond (with the hand, finger, or foot) to a signal (sound, light, picture) when it appears.

Selective Attention — The ability to concentrate on a task over a period of time without being distracted.

Visualization — The ability to imagine how something will look after it is moved around or when its parts are moved or rearranged.

Deductive Reasoning — The ability to apply general rules to specific problems to produce answers that make sense.

Inductive Reasoning — The ability to combine pieces of information to form general rules or conclusions (includes finding a relationship among seemingly unrelated events).

Oral Comprehension — The ability to listen to and understand information and ideas presented through spoken words and sentences.

Oral Expression — The ability to communicate information and ideas in speaking so others will understand.

Written Comprehension — The ability to read and understand information and ideas presented in writing.

Category Flexibility — The ability to generate or use different sets of rules for combining or grouping things in different ways.

Rate Control — The ability to time your movements or the movement of a piece of equipment in anticipation of changes in the speed and/or direction of a moving object or scene.

Speech Recognition — The ability to identify and understand the speech of another person.

Depth Perception — The ability to judge which of several objects is closer or farther away from you, or to judge the distance between you and an object.

Perceptual Speed — The ability to quickly and accurately compare similarities and differences among sets of letters, numbers, objects, pictures, or patterns. The things to be compared may be presented at the same time or one after the other. This ability also includes comparing a presented object with a remembered object.

Speech Clarity — The ability to speak clearly so others can understand you.

Extent Flexibility — The ability to bend, stretch, twist, or reach with your body, arms, and/or legs.

Far Vision — The ability to see details at a distance.

Fluency of Ideas — The ability to come up with a number of ideas about a topic (the number of ideas is important, not their quality, correctness, or creativity).

Mathematical Reasoning — The ability to choose the right mathematical methods or formulas to solve a problem.

Response Orientation — The ability to choose quickly between two or more movements in response to two or more different signals (lights, sounds, pictures). It includes the speed with which the correct response is started with the hand, foot, or other body part.

Trunk Strength — The ability to use your abdominal and lower back muscles to support part of the body repeatedly or continuously over time without 'giving out' or fatiguing.

Wrist-Finger Speed — The ability to make fast, simple, repeated movements of the fingers, hands, and wrists.

Written Expression — The ability to communicate information and ideas in writing so others will understand.

Auditory Attention — The ability to focus on a single source of sound in the presence of other distracting sounds.

Flexibility of Closure — The ability to identify or detect a known pattern (a figure, object, word, or sound) that is hidden in other distracting material.

Hearing Sensitivity — The ability to detect or tell the differences between sounds that vary in pitch and loudness.

Number Facility — The ability to add, subtract, multiply, or divide quickly and correctly.

Static Strength — The ability to exert maximum muscle force to lift, push, pull, or carry objects.

Time Sharing — The ability to shift back and forth between two or more activities or sources of information (such as speech, sounds, touch, or other sources).

Visual Color Discrimination — The ability to match or detect differences between colors, including shades of color and brightness.

Memorization — The ability to remember information such as words, numbers, pictures, and procedures.

Originality — The ability to come up with unusual or clever ideas about a given topic or situation, or to develop creative ways to solve a problem.

Speed of Closure — The ability to quickly make sense of, combine, and organize information into meaningful patterns.

Dynamic Strength — The ability to exert muscle force repeatedly or continuously over time. This involves muscular endurance and resistance to muscle fatigue.

Gross Body Coordination — The ability to coordinate the movement of your arms, legs, and torso together when the whole body is in motion.

Speed of Limb Movement — The ability to quickly move the arms and legs.

Stamina — The ability to exert yourself physically over long periods of time without getting winded or out of breath.

Spatial Orientation — The ability to know your location in relation to the environment or to know where other objects are in relation to you.

Gross Body Equilibrium — The ability to keep or regain your body balance or stay upright when in an unstable position.

Sound Localization — The ability to tell the direction from which a sound originated.

Glare Sensitivity — The ability to see objects in the presence of glare or bright lighting.

Night Vision — The ability to see under low light conditions.

Peripheral Vision — The ability to see objects or movement of objects to one's side when the eyes are looking ahead.

Dynamic Flexibility — The ability to quickly and repeatedly bend, stretch, twist, or reach out with your body, arms, and/or legs.

Explosive Strength — The ability to use short bursts of muscle force to propel oneself (as in jumping or sprinting), or to throw an object.