

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

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Welding 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		
Physics		
Chemistry		
Basic Computer Skills - Software		
Ecology - Impact of the POS on the Environment		

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

Visual Color Discrimination		
Wrist-Finger Speed		
Written Expression		
Dynamic Strength		
Gross Body Equilibrium		
Mathematical Reasoning		
Number Facility		
Glare Sensitivity		
Spatial Orientation		
Memorization		
Peripheral Vision		
Night Vision		
Sound Localization		
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.

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

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

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.

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.

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

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.

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.

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).

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

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

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

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.

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.

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

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.

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

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.

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

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.

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

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.

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

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.

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).

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

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

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

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

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

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

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.

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.

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

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.

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.

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

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

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

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

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

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

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

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

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

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

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.