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WE'LL DO THE REST.





## ENROLLVENT IN SKILLED TRADE PROGRAMS **IS UP 70%**



IS YOUR WORKFORCE DEVELOPMENT CURRICULUM READY?



Credit: Texas State Technical College Welding Program – The Wall Street Journal

#### TEACHING WELDING MATTERS. NOW MORE THAN EVER.

Automation and advanced technologies, like robotics and plasma cutting make your trade—and the way you teach it—a new ball game. The world is changing. In a globally competitive landscape, the demand for skilled workers is far outpacing the supply.

#### ALMOST TWENTY PERCENT OF SKILLED TRADE WORKERS ARE EXPECTED TO RETIRE IN THE U.S. IN THE NEXT TEN YEARS.

The jobs are there. A new generation of students is waiting to be trained in the skilled trades. **Is your workforce development curriculum ready?** 

### IT'S TIME FOR A NEW GENERATION OF WELDERS.

Baby boomers have dominated high-demand skilled trades for the last forty years.

In the U.S., the average welding operator is **57 years old** and close to retirement.

Credit: American Welding Society

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### IN THE NEXT DECADE, A SHORTAGE IN SKILLED TRADE WORKERS, INCLUDING WELDERS, WILL LEAVE 2 MILLION MANUFACTURING JOBS UNFILLED.

Credit: Manufacturers Alliance for Productivity and Innovation

Manufacturing is **12% of the GDP** and growing.

#### **82%** OF MANUFACTURING EXECS SAY A GAP IN SKILLED TRADES WILL IMPACT THEIR ABILITY TO MEET CUSTOMER DEMAND.

### INTRODUCING U/LINC

#### TAKE THE GUESS WORK OUT OF LESSON PLANNING AND CURRICULUM DEVELOPMENT.

U/LINC is a complete curriculum of lesson plans, videos, student handouts, tests, presentations and more designed to supercharge your teaching experience and free you from curriculum development.

## TURNING EXPERIENCED WELDERS INTO EDUCATORS **OVERNIGHT.**





### TEACHER BENEFITS

More than 1,500 assets for a turnkey curriculum

Comprehensive program with teaching aids, lesson plans and lab work

#### NEVER WORRY ABOUT LESSON PLANS AGAIN.

Easy-to-access, web-based program

Ongoing updates for new techniques and emerging technologies

### STUDENT BENEFITS

A mentorship student/instructor learning experience

Every major welding process taught, including emerging skills

#### GET THE BEST TRAINING IN THE INDUSTRY.

Tools and training to equip students for a changing industry

Better educated instructors from a trusted brand

## **ISYOUR** WORKFORCE DEVELOPMENT CURRCULUM **READY?**





### **KNOW HOW.** WE'VE TAUGHT MORE THAN 250,000 WELDERS OVER THE LAST CENTURY.

#### Attract students and instructors with the best curriculum in the industry.

U/LINC is the only welding education program of its kind. Our curriculum system supports an ideal learning process for both students and instructors. Connecting theory, practice and knowledge in an accessible web-based package, U/LINC is backed by the Lincoln Electric legacy of excellence in welding, manufacturing and welding education.

### **PROGRAM OVERVIEW**

#### A ROBUST AND SEAMLESS TURNKEY CLASSROOM EXPERIENCE WITH MORE THAN 1,500 ASSETS AND GROWING.

#### The curriculum includes:

- Lesson plans
- Videos
- Student reference guides
- Lab activities
- Class presentations
- Student handouts
- Assessment tests
- Cumulative learning records
- Accessible and robust web- based program



SAMPLE

		Loveld	Level 2	Loudz	Dine
PROGRAM CONTENTS (by level)	Included	Level 1 [K4244-1 / K4244-2]	Level 2 (K4245-1 / K4245-2)	(K4246-1 / K4246-2)	Fipe (K4247-1 / K4247-2)
CLASSROOM					
Safety		•	•	•	
Principles of Welding - Introductory		•	•	•	
GMAW - Gas Metal Arc Welding - Introductory		•	•	•	
SMAW - Shielded Metal Arc Welding - Introductory		•	•	•	
Thermal Cutting		•	•	•	
Fabrication - Introductory		•	•	•	
Mathematics in Welding		•	•	•	
Careers		٠	•	•	
FCAW - Flux-Cored Arc Welding - Intermediate			•	•	
GTAW - Gas Tungsten Arc Welding			•	•	
Robotics - Intermediate			•	•	
CNC Plasma Cutting - Intermediate			•	•	
Manufacturing and Engineering			•	•	
Fabrication - Intermediate			•	•	
Principles of Welding - Advanced				•	
GMAW Aluminum Welding				•	
GMAW Stainless Welding				•	
GMAW Pipe Welding				•	•
SMAW Pipe Welding				•	•
FCAW Pipe Welding				•	•
Robotics - Advanced				•	
CNC Plasma Cutting - Advanced				•	
LAB					
SMAW Stringer, 2F, 3F		•	•		
SMAW 1G, 2G, 3G			•		
GMAW Pulse 2F, 3F, Short Arc 4F 10 Ga., 1G, 2G, 3G			•		
GMAW Aluminum 2F, 3F, 1G, 2G, 3G			•		
GMAW Stainless Steel 2F, 3F			•		
GTAW 2F, 3F on all materials, pulse and non-pulse			•		
FCAW-G, FCAW-S Flat, 2F, 3F, 1G, 2G, 3G			•		
SMAW - 4F, 4G				•	
GMAW Pulse 3F .035 in. Wire Dia., Pulse 4F, Pulse 4G				•	
GMAW Stainless Steel 1G, 3G				•	
GTAW 4F, 1G, 2G, 3G, 4G on all materials, pulse and non-pulse				•	
FCAW-G, FCAW-S 4F, 4G				•	
Pipe API, ASME1G, 2G, 5G, 6G				•	•

#### **ORDER INFORMATION**

Product Name	Product Number	Minimum Software Requirements	
U/LINC CURRICULUM LEARNING MANAGEMENT SYSTEM			
Level 1 Curriculum - Introduction (individual license)	K4244-1	Microsoft <sup>®</sup> Explorer <sup>®</sup> 10 web browser or higher or similar from other browser suppliers. Adobe <sup>®</sup> Flash <sup>®</sup> 10.0 or higher is recommended.	
Level 1 Curriculum - Introduction (multiple licenses)	K4244-2		
Level 2 Curriculum - Intermediate/High School (individual license)	K4245-1		
Level 2 Curriculum - Intermediate/High School (multiple licenses)	K4245-2		
Level 3 Curriculum - Advanced/Community College (individual license)	K4246-1		
Level 3 Curriculum - Advanced/Community College (multiple licenses)	K4246-2		
Pipe Welding Curriculum (individual license)	K4247-1		
Pipe Welding Curriculum (multiple licenses)	K4247-2		

Contact your local Lincoln Electric representative for price quotation.

#### CUSTOMER ASSISTANCE POLICY

The business of The Lincoln Electric Company' is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such including any implied warranty of merchantability or any warranty on finess for any customers' particular purpose is specifically disclaimed.

Lincoln Electric is a responsive manufacturer, but the selection and use of specific products sold by Lincoln Electric is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric affect the results obtained in applying these types of fabrication methods and service requirements.

Subject to Change – This information is accurate to the best of our knowledge at the time of printing. Please refer to www.lincolnelectric.com for any updated information.

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