

Kellogg Community College – Western Michigan University
Teacher Education Preparation Program

Program of Work for Industrial Welding

The articulated program will allow a student to complete a teacher education program with a major in **Industrial Welding** (with **VT endorsement**) and a teachable minor in an appropriate secondary education program). **Note:** The VT endorsement requires 4000 hours of recent and relevant work experience.

University Graduation Requirements include:

- Minimum: 122 credits
- Minimum: 2.0 cumulative GPA
- Minimum: 30 credits from WMU (No credit by exam, self-instructional, or correspondence except General University Studies (GUS) through Extended University Programs)
- Minimum: 10 of the last 30 credits from WMU (No credit by exam, self-instructional, or correspondence except GUS)
- Minimum: One-half total required credits from 4-year institution

I. Admission to the WMU teacher education program will include these requirements:

- A. 2.5 or higher Grade point
- B. Satisfactory completion of the State of Michigan Basic Skills Test (math, reading, communication)
- C. PSYC 220 (KCC) or Human Growth and Development-ED 250 at WMU satisfactorily completed

II. Teaching **major** satisfied at KCC (30 credits) - KCC has developed a delivery system for this area that individualizes instruction, is competency based, and features flexible scheduling to meet the needs of students and industry. Thus, there are no course descriptions for the units.

Unit 1	Basics of Welding	.51 credits
Unit 2	Oxyacetylene Welding	1.54 credits
Unit 3	Cutting Processes	.92 credits
Unit 4	Brazing and Welding	.92 credits
Unit 5	Shielded Metal Arc Welding	4.10 credits
Unit 6	Advanced Arc Welding	5.74 credits
Unit 7	Welding Metallurgy	1.27 credits
Unit 8	Gas Metal Arc Welding	3.05 credits
Unit 9	Gas Tungsten Arc Welding	5.01 credits
Unit 10	Pipe Welding	4.37 credits
Unit 11	Special Applications	1.68 credits

Teaching **minor** satisfied by taking at least 20 semester hours of WMU courses in an appropriate secondary education minor.