

# PRODUCTION TECHNOLOGIES

## CERTIFICATE

This certificate will provide students with the training, education, and skills to build a base knowledge of manufacturing processes and plant operations, generally for entry-level positions. Graduates can use the knowledge gained in this Certificate to build upon a manufacturing career path leading to higher-level careers like Automation, Machining, and Welding. Students will engage in coursework topics of career success skills, technical mathematics, introductory computer skills, print interpretation, manufacturing processes, quality control, maintenance, and safety.

The nationwide Manufacturing Skills Standards Council (MSSC) System, based upon industry-defined and federally-endorsed national standards, offers both entry-level and incumbent workers the opportunity to demonstrate that they have acquired the skills increasingly needed in the high-growth, technology-intensive jobs of the 21st century. The MSSC System awards certificates to individuals who pass any of its four Production modules: Safety; Quality Practices & Measurement; Manufacturing Processes & Production; and Maintenance Awareness and a full Certified Production Technician (CPT) Certification to those who pass all four. Students completing the Production Technologies Certificate will have gained the knowledge required to pass the MSSC full-certified Production Technician Certification.

### Accuplacer Requirements

All courses require a reading cut score of 52

CMAE 1502 Technical Math requires arithmetic cut score of 45

**Employment Outlook** Riverland graduates are in demand and can choose from great jobs with many local manufacturers. You may even choose to continue your education to build on the skills you learn as a Production Technician I and advance yourself to become an Industrial Maintenance Mechanic, Welder, Machinist, and Manufacturing Technical Specialist, boiler operator or supervisor.

**Award:** Certificate (CERT) 16 Credits Credits

**Location:** ♦ Albert Lea

**Program Starts:** Fall

**Course Plan:** Two Semesters

**Estimated Tuition** 16 cr x \$197.00 = \$3,152.00

**Books:** contact program advisor

**Other Costs:** contact program advisor

### Faculty & Advisors

- ♦ Bob Bender / 507-379-3343
- ♦ Gary Peterson / 507-379-3358
- ♦ Richard Finley / 507-379-3363

### Required Core Courses (16 Credits)

CMAE1502	Technical Mathematics	3.00
CMAE1506	Introduction to Computers	2.00
CMAE1510	Print Reading	2.00
CMAE1514	Manufacturing Skill Standards Council (MSSC) Safety	2.00
CMAE1518	Manufacturing Processes	2.00
CMAE1522	Manufacturing Skill Standards Council (MSSC) Quality	2.00
CMAE1526	Maintenance Awareness	2.00
CMAE1528	Career Success Skills	1.00