



## Secondary Career and Technical 7-12 Endorsement in Manufacturing Technologies

### [NAC 391.1309](#)

**To receive an endorsement to teach secondary (7-12) manufacturing technologies, a person must:**

1. Complete the following required testing, **if** you do not hold a current, valid license from another state in this subject area ([click here for reciprocity information](#)):

- Praxis Core Academic Skills for Educators
- Principles of Learning and Teaching 7-12

Please [visit the Praxis testing website](#) for further testing information.

2. Meet the Secondary 7-12 Career and Technical Education qualifications as specified in [NAC 391.120](#)

3. **For the comprehensive major:**

Thirty-six (36) semester credits required for a major in manufacturing technologies **must** include course work in **each** of the following areas:

- A. General safety in the industry
- B. Print reading
- C. Manufacturing processes
- D. Quality control
- E. Materials processing
- F. Basic electricity
- G. Basic electronics
- H. Power systems
- I. Three-dimensional modeling
- J. Computer numerically controlled (CNC) operations
- K. Automated production
- L. Business operations and logistics

4. **For the comprehensive minor:**

Twenty-four (24) semester credits required for a minor in manufacturing technologies **must** include course work in **each** of the following areas:

- A. General safety in the industry
- B. Print reading
- C. Manufacturing processes
- D. Quality control
- E. Materials processing
- F. Basic electricity
- G. Basic electronics
- H. Power systems