

8710.8080 TEACHERS OF TRANSPORTATION CAREERS.

Subpart 1. **Scope of practice.** A teacher of transportation careers is authorized to provide students in grades 7 through 12 instruction that is designed to develop an effective understanding of the National Transportation Core Skills Standards.

Subp. 2. **Licensure requirements.** A candidate for licensure as a teacher of transportation careers shall have completed a teacher preparation program approved under chapter 8705 including:

- A. the standards of effective practice under part 8710.2000;
- B. the core skills for teachers of career and technical education under part 8710.8000; and
- C. the standards under subpart 3.

Subp. 3. **Subject matter standard.** A candidate for licensure as a teacher of transportation careers must complete at least a baccalaureate degree from a regionally accredited college or university and a preparation program under subpart 2 that must include the candidate's demonstration of the knowledge and skills in items A to F.

A. A teacher of transportation careers must demonstrate the knowledge and applications of the academic subject matter required for proficiency within the following areas:

- (1) apply knowledge of electricity, electronics, chemistry, and physics specific to the transportation industry;
- (2) match measurement activities to transportation processes;
- (3) create and interpret graphs, charts, manuals, journals, and specifications used in transportation; and
- (4) use and interpret technical terminology specific to transportation industries.

B. A teacher of transportation careers must demonstrate the knowledge and applications of safety and environmental concerns and issues including:

- (1) Occupational Safety and Health Administration (OSHA) rules;
- (2) Minnesota Pollution Control Agency regulations;
- (3) transportation regulatory agencies, such as the Department of Transportation and Federal Aviation Administration; and
- (4) the use of first aid resources, such as staff, policy and procedure manuals, and training opportunities regarding acids, fuels, and chemicals.

C. A teacher of transportation careers must demonstrate knowledge and application of legal responsibilities and ethical practices in transportation, including:

- (1) morality and ethics and the relationship of each to transportation occupations, such as falsifying documents and service work orders;

(2) legal and policy issues impacting transportation industries, such as errors and omissions, negligence liabilities, environmental issues, and concerns;

(3) understanding the importance of customer satisfaction, such as avoiding comebacks, warranty work, and doing unauthorized services;

(4) employee protection documents, such as the Right to Know Regulations; and

(5) requirements for reporting and documentation of any activity that adversely affects the welfare of customers and fellow workers, such as incident reports and hazardous material spills.

D. A teacher of transportation careers must demonstrate the knowledge and applications of the various methods of giving and obtaining information including:

(1) interpreting, transcribing, and communicating information, data, and observations using transportation terminology;

(2) reporting subjective and objective customer information in relevant order of occurrence, such as work orders and cost estimates; and

(3) using decision-making models within the context of problem solving in the transportation industry, such as diagnostic flow charts and weight and balance calculations.

E. A teacher of transportation careers must demonstrate knowledge of alternative careers within the industry by:

(1) describing potential transportation career paths and ladders in occupations found in the transportation careers, such as land, air, water, and space;

(2) describing the levels of education, licensing or certification requirements, employment opportunities, workplace environments, and career growth potential for a specific transportation career; and

(3) utilizing personal occupational experiences to make transportation careers meaningful to the students.

F. A teacher of transportation careers must demonstrate the knowledge and applications of transportation systems and issues including:

(1) where and how factors, such as cost, technology, alternative methods, and how lifestyle or behavior changes may affect various transportation systems;

(2) the range of services and technology applications available to employers and customers, such as the Internet and wireless communications;

(3) quality improvement processes as they relate to customer outcomes, through the use of new technologies, tools, methods, and equipment; and

(4) effects on the transportation systems caused by past and present influences of technology, environmental, socioeconomics, and other various forms of nontraditional transportation.

Subp. 4. [Repealed, 47 SR 986]

Statutory Authority: *MS s 122A.09; 122A.18*

History: *26 SR 700; 30 SR 1054; L 2017 ISp5 art 12 s 22*

Published Electronically: *August 31, 2023*