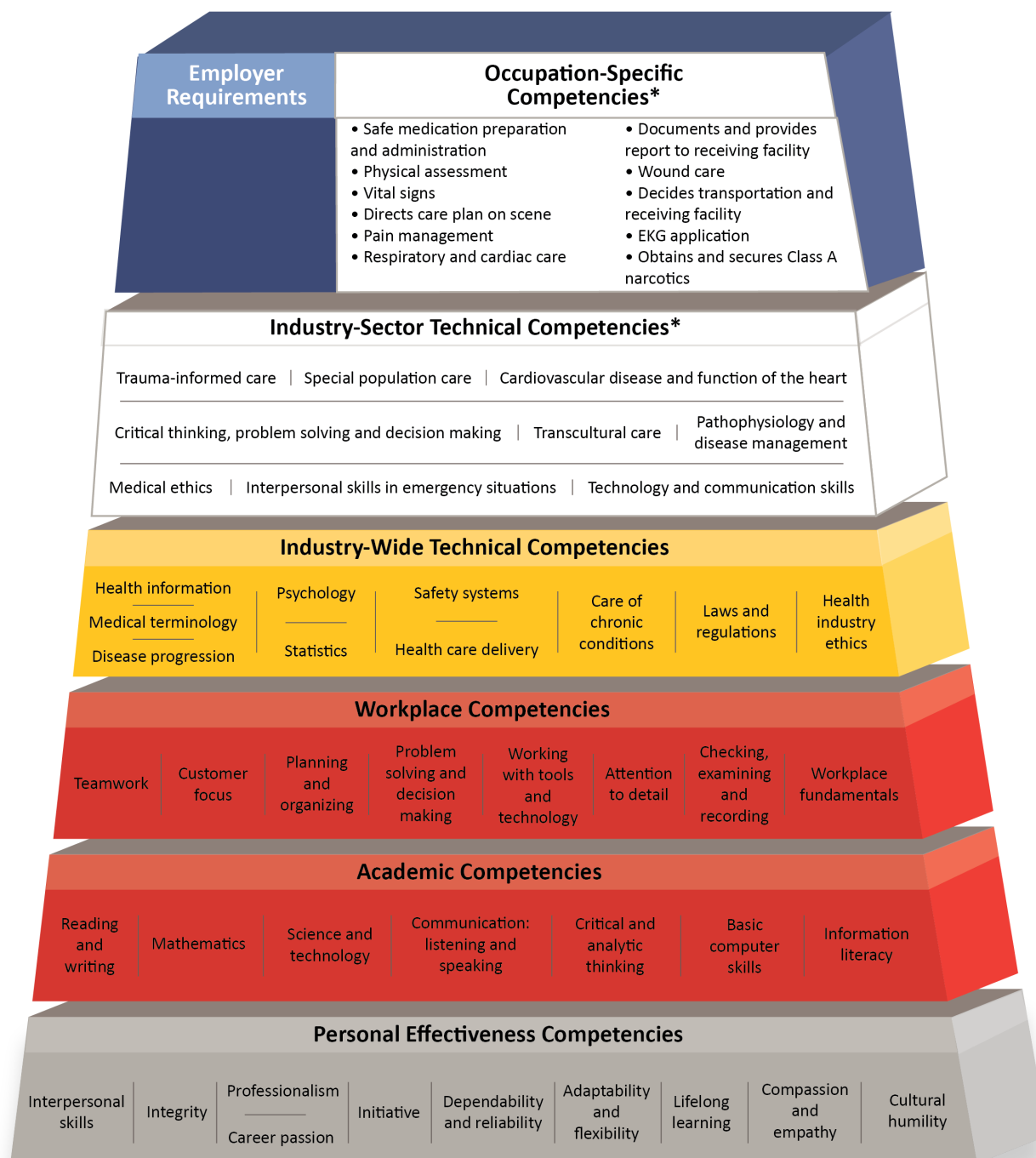


# Minnesota Dual-Training Pipeline

## Competency Model for Health Care Services

### Occupation: Emergency Medical Technician to Paramedic Pathway

Dual trainee must be a currently certified emergency medical technician to participate in pathway



Based on: Health: Allied Health Competency Model Employment and Training Administration, United States Department of Labor, December 2011.

\* Pipeline recommends the Industry-Sector Technical Competencies as formal training opportunities (provided through related instruction) and the Occupation-Specific Competencies as on-the-job training opportunities.



## Competency Model for Emergency Medical Technician to Paramedic Pathway

**Emergency Medical Technician to Paramedic Pathway** – Paramedics are advanced providers of emergency medical care and are highly educated in topics such as anatomy and physiology, cardiology, medications and medical procedures. They build on their education and learn more skills such as administering medications, starting intravenous lines, providing advanced airway management for patients, and learning to resuscitate and support patients with significant problems such as heart attacks and traumas.

### Industry-Sector Technical Competencies

**Related Instruction** for dual training means the organized and systematic form of education resulting in the enhancement of skills and competencies related to the dual trainee's current or intended occupation.

- **Trauma-informed care** – Knowledge about how trauma impacts the physical, mental, behavioral, social, and spiritual areas for the patient and how to align care with the unique circumstances of the patient.
- **Technology and communication skills** – Ability to observe, record and report to physician the patient's condition or injury, the treatment provided and reactions to drugs or treatment.
- **Transcultural care** – Understand outreach to persons and populations that are underserved by traditional care systems. Awareness of different cultures and how they interact with one another.
- **Pathophysiology and disease management** - Understand chronic conditions commonly encountered in a primary care and public health setting.
- **Cardiovascular disease and function of the heart** – Knowledge of the concepts and skills for assessing and managing the out-of-hospital cardiac patient.
- **Interpersonal skills in emergency situations** – Able to be approachable with interpersonal skills that encourage individuals to feel comfortable during high stress emergency situations.

- **Special population care** – Knowledge of care of abuse victims, pediatric and geriatric patients. Identify events of pregnancy, delivery, and complications.
- **Critical thinking, problem solving and decision making** – Ability to gather data and information, synthesize the data and produce urgent and appropriate care for patient in the pre-hospital setting.
- **Medical ethics** – Understand principles of medical ethics and how they apply in professional standards.

## Occupation-Specific Competencies

**On-the-Job Training (OJT)** is hands-on instruction completed at work to learn the core competencies necessary to succeed in an occupation. Common types of OJT include job shadowing, mentorship, cohort-based training, assignment-based project evaluation and discussion-based training.

- **Safe medication preparation and administration** – Understand techniques needed to diagnose and treat human injuries, diseases, and emergencies. This includes symptoms, treatment, drug properties and interactions and preventive health care measures.
- **Physical assessment** – Understand life support patient assessment concepts, skills, and prioritization to perform lifesaving interventions.
- **Vital signs** – Able to accurately take and record vital information.
- **Directs care plan on scene** – Understand pre-hospital treatment and stabilization for serious illness and injuries.
- **Pain management** – Ability to identify, measure, interpret and effectively treat pain which often is the chief complaint that has resulted in a call for assistance.
- **Respiratory and cardiac care** – Understand how to formulate and manage a comprehensive treatment plan for an airway/respiratory or cardiovascular/heart emergency situation.
- **Documents and provides report to receiving facility** – Ability to provide an accurate, comprehensive permanent record of pre-hospital care provided, medical condition and patient history.
- **Wound care** – Able to demonstrate proficiency in simple primary wound closure.

- **Decides transportation and receiving facility** – Ability to select the best mode of transportation and receiving facility for a patient with a time-critical diagnosis.
- **EKG application** – Understands EKG application and acquisition and the purpose of cardiac monitoring.
- **Obtains and secures Class A narcotics** – Understands controlled substances that have no currently accepted medical use and high potential for abuse.

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