

**PROGRAM CONCENTRATION: Architecture, Construction,  
Communications & Transportation**  
**CAREER PATHWAY: Transportation Logistical Operations**  
**COURSE TITLE: Transportation Logistics Internship**

The Transportation Logistics Internship is an elective course for both transportation logistical pathways. The course will help students build a strong knowledge base and develop management skills as they study forms of business ownership, functions of management, budgeting and finance, technology, communications, legislation, leadership and teamwork, marketing, and economics. Mastery of these standards through project-based learning and leadership development activities of the Career and Technical Student Organizations will help prepare students with a competitive edge for the transportation logistics marketplace.

Note: For a more comprehensive and authoritative report of national academic related skills please refer to the National Automotive Technicians Education Foundation's document "APPLIED ACADEMIC & WORKPLACE SKILLS FOR AUTOMOBILE TECHNICIANS" available at [www.natef.org](http://www.natef.org)

**ACT-TLI-1 Demonstrate relevancy of academic and technical skills needed on the job.**

***Academic Standards:***

*ELA12W3 The student uses research and technology to support writing.*

*MM3D3. Students will understand the differences between experimental and observational studies by posing questions and collecting, analyzing, and interpreting data.*

*SSEMI3 The student will explain how markets, prices and competition influence economic behavior.*

***National Academic Standards (NATEF):***

*LA074 The technician composes complete and accurate paragraphs that include information regarding symptoms, diagnosis results, and appropriate details when preparing warranty claims and information for inclusion on work orders.*

*MA229 The technician can identify the specific cause of the described problem by generating conclusions based on known symptoms related to the problem.*

*SC007 The technician develops and maintains an understanding of all federal, state, and local rules and regulations regarding environmental issues related to the work of the automobile technician. The technician uses such things as government impact statements, media information, and general knowledge of pollution and waste management to correctly use and dispose of products that result from the performance of a repair task.*

**ACT-TLI-2 Demonstrate integration of work-based and school-based learning.**

***Academic Standards:***

*ELA12C2 The student demonstrates understanding of manuscript form, realizing that different forms of writing require different formats.*

*MM3D3. Students will understand the differences between experimental and observational studies by posing questions and collecting, analyzing, and interpreting data.*

*SSEMI3 The student will explain how markets, prices and competition influence economic behavior.*

***National Academic Standards (NATEF):***

*LA074 The technician composes complete and accurate paragraphs that include information regarding symptoms, diagnosis results, and appropriate details when preparing warranty claims and information for inclusion on work orders.*

*MA229 The technician can identify the specific cause of the described problem by generating conclusions based on known symptoms related to the problem.*

*SC007 The technician develops and maintains an understanding of all federal, state, and local rules and regulations regarding environmental issues related to the work of the automobile technician. The technician uses such things as government impact statements, media information, and general knowledge of pollution and waste management to correctly use and dispose of products that result from the performance of a repair task.*

**ACT-TLI-3 Demonstrate integration of academic and vocational learning.**

***Academic Standards:***

*ELA12C1 The student demonstrates understanding and control of the rules of the English language, realizing that usage involves the appropriate application of conventions and grammar in both written and spoken formats.*

*MM4P4. Students will make connections among mathematical ideas and to other disciplines.*

*SCSh3. Students will identify and investigate problems scientifically.*

***National Academic Standards (NATEF):***

*LA074 The technician composes complete and accurate paragraphs that include information regarding symptoms, diagnosis results, and appropriate details when preparing warranty claims and information for inclusion on work orders.*

*MA229 The technician can identify the specific cause of the described problem by generating conclusions based on known symptoms related to the problem.*

*SC007 The technician develops and maintains an understanding of all federal, state, and local rules and regulations regarding environmental issues related to the work of the automobile technician. The technician uses such things as government impact statements, media information, and general knowledge of pollution and waste management to correctly use and dispose of products that result from the performance of a repair task.*

**ACT-TLI-4 Demonstrate recognition of occupational skill attainment.**

***Academic Standards:***

*ELA12W3 The student uses research and technology to support writing.*

*MM4P4. Students will make connections among mathematical ideas and to other disciplines.*

*SSEMI3 The student will explain how markets, prices and competition influence economic behavior.*

***National Academic Standards (NATEF):***

*LA074 The technician composes complete and accurate paragraphs that include information regarding symptoms, diagnosis results, and appropriate details when preparing warranty claims and information for inclusion on work orders.*

*MA229 The technician can identify the specific cause of the described problem by generating conclusions based on known symptoms related to the problem.*

*SC007 The technician develops and maintains an understanding of all federal, state, and local rules and regulations regarding environmental issues related to the work of the automobile technician. The technician uses such things as government impact statements, media information, and general knowledge of pollution and waste management to correctly use and dispose of products that result from the performance of a repair task.*

**ACT-TLI-5 Develop a transportation entrepreneurship management plan.**

***Academic Standards:***

*SSEMI3 The student will explain how markets, prices and competition influence economic behavior.*

*MM3D3. Students will understand the differences between experimental and observational studies by posing questions and collecting, analyzing, and interpreting data.*

*ELA12LSVI The student participates in student-to-teacher, student-to-student, and group verbal interactions.*

***National Academic Standards (NATEF):***

*LA074 The technician composes complete and accurate paragraphs that include information regarding symptoms, diagnosis results, and appropriate details when preparing warranty claims and information for inclusion on work orders.*

*MA229 The technician can identify the specific cause of the described problem by generating conclusions based on known symptoms related to the problem.*

*SC007 The technician develops and maintains an understanding of all federal, state, and local rules and regulations regarding environmental issues related to the work of the automobile technician. The technician uses such things as government impact statements, media information, and general knowledge of pollution and waste management to correctly use and dispose of products that result from the performance of a repair task.*

### **CTAE Foundation Skills**

The Foundation Skills for Career, Technical and Agricultural Education (CTAE) are critical competencies that students pursuing any career pathway should exhibit to be successful. As core standards for all career pathways in all program concentrations, these skills link career, technical and agricultural education to the state's academic performance standards.

The CTAE Foundation Skills are aligned to the foundation of the U. S. Department of Education's 16 Career Clusters. Endorsed by the National Career Technical Education Foundation (NCTEF) and the National Association of State Directors of Career Technical Education Consortium (NASDCTEc), the foundation skills were developed from an analysis of all pathways in the sixteen occupational areas. These standards were identified and validated by a national advisory group of employers, secondary and postsecondary educators, labor associations, and other stakeholders. The Knowledge and Skills provide learners a broad foundation for managing lifelong learning and career transitions in a rapidly changing economy.

**CTAE-FS-1 Technical Skills:** Learners achieve technical content skills necessary to pursue the full range of careers for all pathways in the program concentration.

**CTAE-FS-2 Academic Foundations:** Learners achieve state academic standards at or above grade level.

**CTAE-FS-3 Communications:** Learners use various communication skills in expressing and interpreting information.

**CTAE-FS-4 Problem Solving and Critical Thinking:** Learners define and solve problems, and use problem-solving and improvement methods and tools.

**CTAE-FS-5 Information Technology Applications:** Learners use multiple information technology devices to access, organize, process, transmit, and communicate information.

**CTAE-FS-6 Systems:** Learners understand a variety of organizational structures and functions.

**CTAE-FS-7 Safety, Health and Environment:** Learners employ safety, health and environmental management systems in corporations and comprehend their importance to organizational performance and regulatory compliance.

**CTAE-FS-8 Leadership and Teamwork:** Learners apply leadership and teamwork skills in collaborating with others to accomplish organizational goals and objectives.

**CTAE-FS-9 Ethics and Legal Responsibilities:** Learners commit to work ethics, behavior, and legal responsibilities in the workplace.

**CTAE-FS-10 Career Development:** Learners plan and manage academic-career plans and employment relations.

**CTAE-FS-11 Entrepreneurship:** Learners demonstrate understanding of concepts, processes, and behaviors associated with successful entrepreneurial performance.