



Readying the Future Workforce



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In Strategic Partnership with
eDynamicLearning
— CAREER & ELECTIVE COURSES —



Creators of KeyTrain® and Career Ready 101® for **ACT WorkKeys®**,
acquired by ACT

- Online basic skills enhancement curriculum
- Helped to create the National Career Readiness Certificate
- Used in approx. 15% of US high schools and in other agencies
- Managed **28 statewide contracts** with over 4 million registered users
- Delivered 7.2 million lessons and 2.4 million hours used per year
- Statistically proven effective at raising basic skills test scores

WorkKeys®



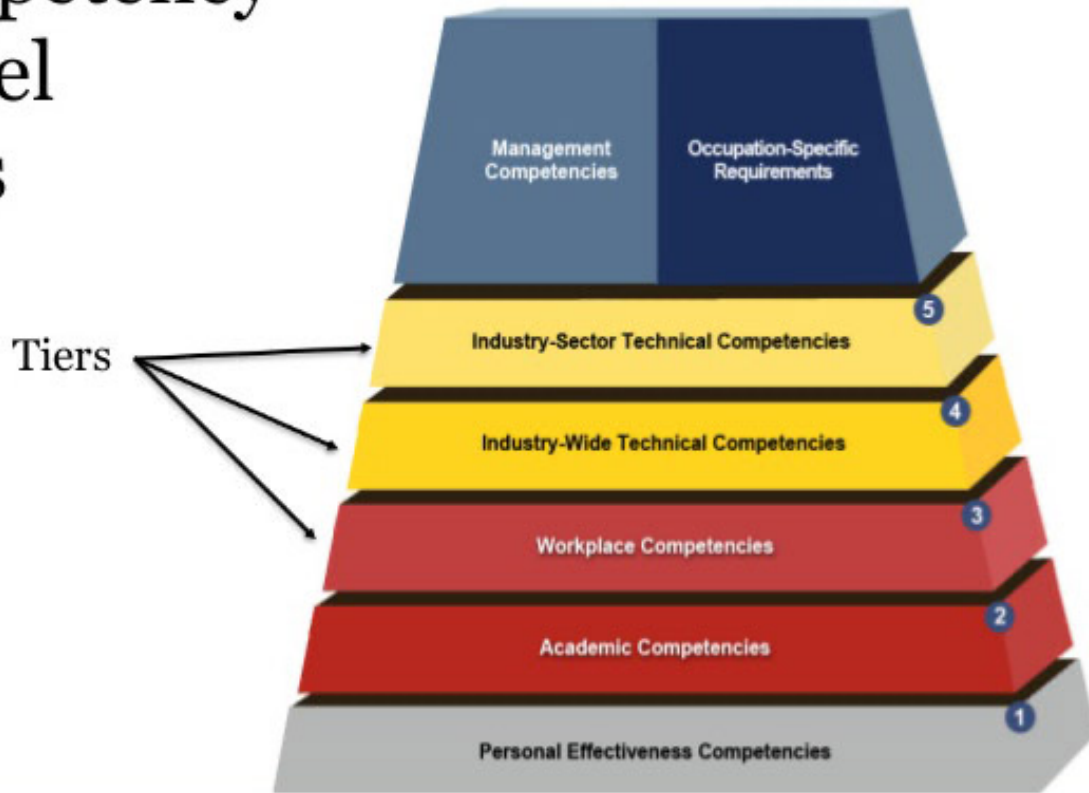
ACT®

ACQUIRED BY ACT in 2010

Ready for Industry[®] Provides Essential General Industry Knowledge



Competency Model Tiers



Creates a bridge between standard K-12 education and the knowledge needed for success in industry.

Covers gaps in common technical training and the industry and workplace competencies in tiers 3 and 4 of the workplace competency model.



READYFORINDUSTRY 

Ready for Industry Addresses Career Preparedness for the Job Seeker



This new platform, Ready for Industry (RFI), is designed to address career preparedness and awareness for the near-term job seeker – from late high school through adult.

RFI bridges two gaps that exist in the preparation of many potential skilled workers:

- What industry pathway do I want to pursue?
- What is the basic info that employers want me to know that I might not learn in school?

RFI provides separate 15-20 hour courses for each of the 5 highest-demand industries:

- Healthcare
- Manufacturing
- Information Technology
- Construction
- Logistics

RFI is *NOT* a replacement for technical training. It provides a context for post-secondary career search and training.

READYFORINDUSTRY



General Course Outline



READYFORINDUSTRY

For each of the 5 highest-demand industries, RFI provides self-paced, online instruction on:

- Introduction to the Industry
- Working in the Industry/Terminology/Common Practices
- Career Opportunities and Descriptions
- Current Issues and Trends in the Industry
- Career Pathways, Education and Certifications in the Industry
- Workplace Expectations in Industry

Separate 15–20-hour courses for each of the 5 highest-demand industries:

- Healthcare
- Manufacturing
- Information Technology
- Construction
- Logistics

Ready for Industry[®]: Launched 2022



Course Outline- Construction



Introduction to Construction

- Introduction to Architecture
- Introduction to Construction
- Construction Industry Terminology

Working in the Construction Industry

- Major Steps in Constructing a House
- Fundamentals of Building Construction
- Standard Operating Procedures for Construction
- Project Management Systems & Software
- OSHA Safety Regulations in Construction
- Construction Site Safety Rules
- Construction Best Practices
- Quality Issues and Defects in Construction

Careers in Construction

- Structural and Civil Engineering
- Construction Site Managers
- Carpenters
- Construction Electricians
- HVAC Technicians
- Construction Plumbers
- Commercial and Residential Painters
- Heavy Equipment and Metalworkers
- Landscape Architects
- Urban Planners
- Solar and Wind Technicians

Current Issues in Construction

- Lack of Skilled Labor
- Increase in Building Materials Costs
- Increase in Customer Demand
- Regional Issues – West, East, South
- Green Construction
- Energy Conservation

- Urban and Smart Communities
- Smart Portfolio Management
- Prefabrication in Construction
- Prefab Logistics, Onsite Installation
- Configuration and Structural Design
- Strategic Sourcing and Procurement

Finding a Job in Construction

- Career Pathways and Certifications
- Education Pathways
- Writing a Resume
- Finding a Job
- Preparing for an Interview

Workplace Expectations in Const.

- Employer Expectations
- Working as a Team
- Time Management
- Self Management

Course Outline- Healthcare



Introduction to Healthcare

- What is Healthcare?
- The Importance of Healthcare to Society
- Where Healthcare Professionals Work
- Major Categories of Healthcare

Working in the Healthcare Industry

- The Language of Medicine
- Basic Anatomical Terms
- Terms Related to Conditions and Diseases
- Terms Related to Medical Equipment
- Terms Related to Medication Administration
- Terms Related to Medical Procedures
- Terms Related to Patient Status
- Terms Related to Health Insurance
- Basic Medical Abbreviations
- Soft Skills Needed in Healthcare
- Importance of Critical Thinking
- Attention to Detail
- Empathy & Emotional Stability
- Professionalism in Healthcare

- Basic Communication Strategies
- Principles in Patient Interactions
- Safety & Infection Control
- Preventing Acquired Infections
- Healthcare Privacy (HIPAA)
- Healthcare Quality
- Legal Issues Affecting Healthcare
- Patient Rights
- Medical Ethics

Careers in Healthcare

- Physicians
- Nursing
- Pharmaceutical Science
- Clinical/Diagnostic Services
- Emergency Medical Services
- Home Health/Hospice
- Dental Sciences
- Therapeutics
- Medical Rehabilitation
- Careers Related to Healthy Lifestyles
- Other Healthcare Fields

Current Issues in Healthcare

- Skepticism of Healthcare Community
- The U.S. Healthcare Insurance System
- Drivers of Healthcare Costs in the U.S.
- Trends in U.S. Mortality Rates
- Prevention of Medical Errors
- Availability of Healthcare in the U.S.
- U.S. Public Health Infrastructure
- Workforce Crisis in U.S Healthcare
- Telemedicine in the U.S.

Finding a Job in Healthcare

- Career Pathways and Certifications
- Education Pathways
- Resumes, Job Search, Interviews

Workplace Expectations in Healthcare

- Employer Expectations
- Working as a Team
- Time and Self Management

Course Outline- Information Technology



Introduction to Information Technology

- What is Information Technology?
- The Importance of IT in Society
- Common IT Devices and Terminology
- Industrial Computing Applications

Working in the IT Industry

- Typical Corporate IT Structures
- Data Backup and Disaster Recovery
- SaaS vs. Internal Platforms
- User Accounts and Security
- IT Security Policies
- Identity Theft Prevention
- Cyberattacks and Ransomware
- Security Incident Response Plans
- Basic Coding Concepts
- Software Development Processes
- Web Development Processes

Careers in Information Technology

- Software Development
- Web Development
- Data Management
- Cybersecurity
- Hardware Design and Maintenance
- Customer Service and Support

Current Issues in the IT Industry

- Data Security and Privacy
- Cloud Computing and IoT
- Social Media
- Globalization
- Blockchain
- Virtual and Augmented Reality
- Machine Learning and Artificial Intelligence

Finding a Job in IT

- Career Pathways and Certifications
- Education Pathways
- Writing a Resume
- Finding a Job
- Preparing for an Interview

Workplace Expectations in IT

- Employer Expectations
- Working as a Team
- Time Management
- Self Management

Course Outline- Logistics



Introduction to Logistics

- Elements of Logistics Management
- The Importance of Logistics in Society
- Key Logistics Terms
- Materials Management and Distribution
- Primary Modes of Transportation

Working in the Logistics Industry

- What is a Supply Chain?
- Supply Chain Management
- Life Cycle of a Load
- Types of Logistics Options
- OSHA Requirements for Logistics
- Safety Hazards in Logistics
- The Importance of Insuring a Load
- Transportation Risks
- Criminal Activities and Terrorism
- Cybersecurity and Trans. Infrastructures
- Common Quality Issues in Logistics
- Measures of Logistics Service Quality
- Quality Control Programs

Careers in Logistics

- Industrial Truck and Tractor Operators
- Cargo and Freight Agents
- Distribution Workers and Managers
- Distribution Operations Managers
- Stockers and Order Fillers
- Production Planner/Manager
- Warehouse Laborers
- Freight, Stock and Material Movers
- Logisticians
- Logistics Analysts/Engineers
- Supply Chain Manager
- Shipping & Inventory Clerks
- Transit Drivers

Current Issues in the Logistics

- Fleet Costs – Ins., Fuel & Maint.
- Driver Shortage & Retention
- Regulations – Loads & Driver Time
- Traffic Management
- Economics and Competition

- Automated Supply Chain Processes
- Implementing Technology Strategies
- Self-Driving Trucks and Drones
- Automated Freight Matching
- Vehicle-to-Vehicle Communication
- Remote Diagnosis
- Vehicle-to-Infrastructure Comm.

Finding a Job in Logistics

- Career Pathways and Certifications
- Education Pathways
- Writing a Resume
- Finding a Job
- Preparing for an Interview

Workplace Expectations in Logistics

- Employer Expectations
- Working as a Team
- Time Management
- Self Management

Course Outline- Manufacturing



Introduction to Manufacturing

- The Importance of Manufacturing in Society
- Common Manufacturing Industries
- Common Manufacturing Types
- Forming, Molding, Machining
- Assembly & Finishing
- Continuous Processes

Working in the Manufacturing Industry

- Three Key Concepts to Production
- Common Manufacturing Processes
- Robotics in Manufacturing
- Food & Perishable Materials
- Fabrication vs. Assembly
- Warehousing in Manufacturing
- Production Planning & Lead Times
- OSHA Regulations
- Common PPE Equipment
- Ergonomics, Falls, and Respiratory Hazards
- Lockout/ Tagout, Guards, and Motors
- Lean Manufacturing, Six Sigma
- Total Quality Management (TQM)

Careers in Manufacturing

- Maintenance and Repair Technicians
- Welders
- Machinists
- Manufacturing Painters
- Mechanics
- Testing and NDT Technicians
- Industrial Electricians
- Plumber and Pipefitters
- Press Technicians
- Robot Operators
- Production & Process Engineers
- Quality Assurance Technicians
- Logistics & Inventory Control
- Health, Safety & Environmental

Current Issues in the Manufacturing

- Manufacturing Challenges
- Supply Chain and Smart Factories
- Labor Unions
- Cost Increases & Transportation

- Reshoring, Outsourcing, Offshoring
- Green Manufacturing Strategies
- Smart Manufacturing
- Advancements in Manufacturing

Finding a Job in Manufacturing

- Career Pathways and Certifications
- Education Pathways
- Writing a Resume
- Finding a Job
- Preparing for an Interview

Workplace Expectations in Manu.

- Employer Expectations
- Working as a Team
- Time Management
- Self Management
- Conflict Resolution
- Personal Development and Learning



Introduction to Construction

0% COMPLETE

- INTRODUCTION
 - Introduction to Construction
- BEGINNING THE PROJECT
 - Before the Ground is Broken
 - The Critical Path of Construction
- BUILDING THE STRUCTURE
 - Types of Foundations
 - Framing
 - Roughing-In

Building the Structure

Whether you live in a condo, apartment, or a house, have you ever wondered what goes in to building the structure?

Click through the following steps to see how a typical building is constructed.

[START >](#)

Terms Related to Medication Administration

14% COMPLETE

- INTRODUCTION
 - Terms Related to Medication Administration
- DRUG ADMINISTRATION ROUTES
 - Two Basic Drug Administration Routes
 - Enteral Routes
 - Parenteral Routes
- MEDICATIONS
 - Basic Categories of Medications

Section 2 of 7

Two Basic Drug Administration Routes

Two Basic Drug Administration Routes

There are two basic routes of medication administration:

(Click the cards shown to learn more about the two basic routes of medication administration.)

ENTERAL

PARENTERAL

Certificate of Completion – Industry Credential(Coming Soon!)



- **Currently participants can earn a Certificate of Completion**
- **Ready for Industry **industry-recognized credential** is being developed and planning for release later this year.**
- **Launching in 2024**

NOCTI

Ready for Industry[®]: Sample Uses



- **American Job Centers – WIOA:**
 - **Career/Workforce Preparedness**
 - **Integrate as part of intake process**
 - **Veteran Services**
 - **Youth Services**
 - **Management System allows easy reporting**
 - **Supports WIOA Requirements**



“We believe that RFI makes our clients more confident and prepared for living wage careers that our communities desire.”

Traci Albertson, Office of Workforce Development, MO

Ready for Industry[®]: Sample Uses



- **Community and Technical Colleges**
 - **College/Career Readiness**
 - **Orientation classes for students for those unclear as to what industry they want to pursue – career preparedness**
 - **Management System allows easy reporting**
 - **Better prepare candidates for jobs in the 5 industries.**



"We've launched Ready For Industry at 10 of our colleges and plan to expand to 18 others this fall. We're excited about the support RFI is providing our students through an innovative career-preparedness platform."

Dr. Flora Tydings, Chancellor, Board of Regents, TN

Ready for Industry[®]: Sample Uses



- **High School- CTE efforts**
 - **Preparing students for Apprenticeships, Internships**
 - **Work-based Learning Classes**
 - **Management System allows easy reporting**
 - **IEP transition plans**
 - **Individual student success plans**
 - **JAG – Jobs for America Graduates**



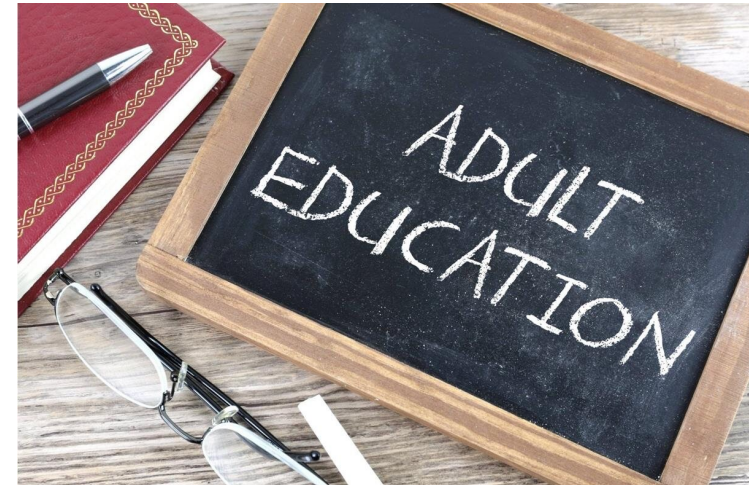
Ready for Industry helps prepare students with the soft skills that they need for their Health Science Internship. This was a great partnership between Ready for Industry and the Coosa Valley Medical Center.”

Deana Goodwine, Director of Workforce Development, Sylacauga High School, AL

Ready for Industry[®]: Sample Uses



- **NGO and Others**
 - **Adult Education**
 - **Vocational Rehabilitation**
 - **Corrections**
 - **TANF**
 - **Additional Ideas?**



"I find the courses informative and definitely learned new information. I like that participants have to pay close attention because if they don't, quiz results will let you know. They are challenging."

Arron DeGracia, Career Institute Director, UA Pulaski Technical College

Ready for Industry in Tennessee Colleges of Applied Technology (TCAT)

RFI has been used in the TCATs.

It was determined that there are many opportunities as below

Application	Models	Lead School(s)
Practical Nursing/Pre-Practical Nursing	Incorporate RFI Healthcare module in the Nursing pre-requisite coursework	TCAT Shelbyville
Practical Nursing/Pre-Practical Nursing	Incorporate RFI Healthcare into admissions/entrance requirements for Pre- Practical Nursing students	TCAT Jacksboro
Practical Nursing/Pre-Practical Nursing	Consider RFI as a admissions requirement for PN (idea still needs ownership and to be flushed out)	
Dual Enrollment	Mandatory RFI for high school students enrolled in D2L. Fall enrollment high school students complete in August prior to the fall trimester start	TCAT Shelbyville
Dual Enrollment	Mandatory RFI for high school students as dual enrollment orientation and credit	TCAT McMinnville / Morristown
Academic Support/Career Counseling/Intervention	Incorporate RFI as an academic intervention option to redirect students to other programs who are not meeting satisfactory academic progress	TCAT Knoxville
Academic Support/Career Counseling/Intervention	Incorporate RFI as academic/career counseling. COE Standard 10: The institution provides academic advisement services to assist students planning for occupational education programs.	TCAT Crump

"I have been working with 1st generation college students for over 14 years and their perception of the workforce is very underdeveloped. The face-forward nature of RFI is very beneficial. It helps students see if an industry is a good fit. RFI is a really tremendous asset to have a clearer understanding of future workforce opportunities. RFI is helping set students up for success."

**Dr. Douglas Stewart, Educational Specialist,
Tennessee College of Applied Technology**

TN Department of Labor and Workforce Development - RFI



Ready For Industry has the potential to significantly impact American Job Centers by providing learners with the necessary skills and knowledge to enter the workforce and secure in-demand jobs. The centers below have all received training and are connected with the support needed to initiate implementation.

TN American Job Centers Trained		
Alcoa	Dyersburg	Lawrenceburg
Athens	Gallatin	Memphis
Chattanooga	Huntingdon	Morristown
Clarksville	Jackson	Murfreesboro
Columbia	Johnson City	Nashville
Cookeville	Kingsport	Sevierville
Crossville	Knoxville	Tullahoma



NGA and DOL Collaborative how RFI can be shared as a “best practice”

Ready for Industry Summary



Ready for Industry (RFI), is designed to address career preparedness for the near-term job seeker – from late high school through adult.

Contact – info@ReadyforIndustry.com

RFI provides separate about 20 hour courses for each of the 5 highest-demand industries:

- Healthcare
- Manufacturing
- Information Technology
- Construction
- Logistics

RFI useful in

- America Job Centers - WIOA
- Community/Technical Colleges
- High School – CTE – Apprenticeships etc.
- Adult Ed/ Voc Rehab/TANF/Corrections etc.

- **NOCTI Credential to be launched in 2024!**

READYFORINDUSTRY

