




Using Data to Develop IET Programs

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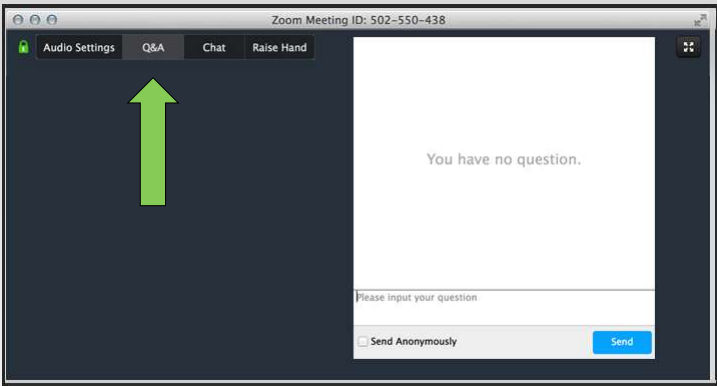


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Webinar Things to Remember

- If you have a question, please type it into the **Q&A** option.




- Attendee microphones will be muted. You will be in **listen only** mode.
- Today's presentation is being **recorded**. It will be archived and available on the IPDAE website within 48 hours.

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Facilitator



Ronald Allan Cruz, M.Ed.
Coordinator
CARIBE Refugee Program
Hillsborough County Public Schools

IPDAE Statewide Trainer
National Trainer, GED®
rcruz@floridaipdae.org

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Agenda

- Review of IET
- Florida's IET Guide
- Using Data to Identify Area of Focus
- Augmenting Needs with Resources
- Examining the Targeted Course Template
- Q & A
- Evaluation

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What is IET?

Integrated Education and Training is defined as a service approach that combines **adult education** (and literacy activities), **workforce preparation activities** and **workforce training** each instruction applied with sufficient intensity and quality, based on the most rigorous research available, especially with respect to improving reading, writing, mathematics and English proficiency of eligible individuals, **occurs simultaneously** and **uses occupationally relevant instructional materials**. The integrated education and training program is organized to function cooperatively with a **single set of learning outcomes**.

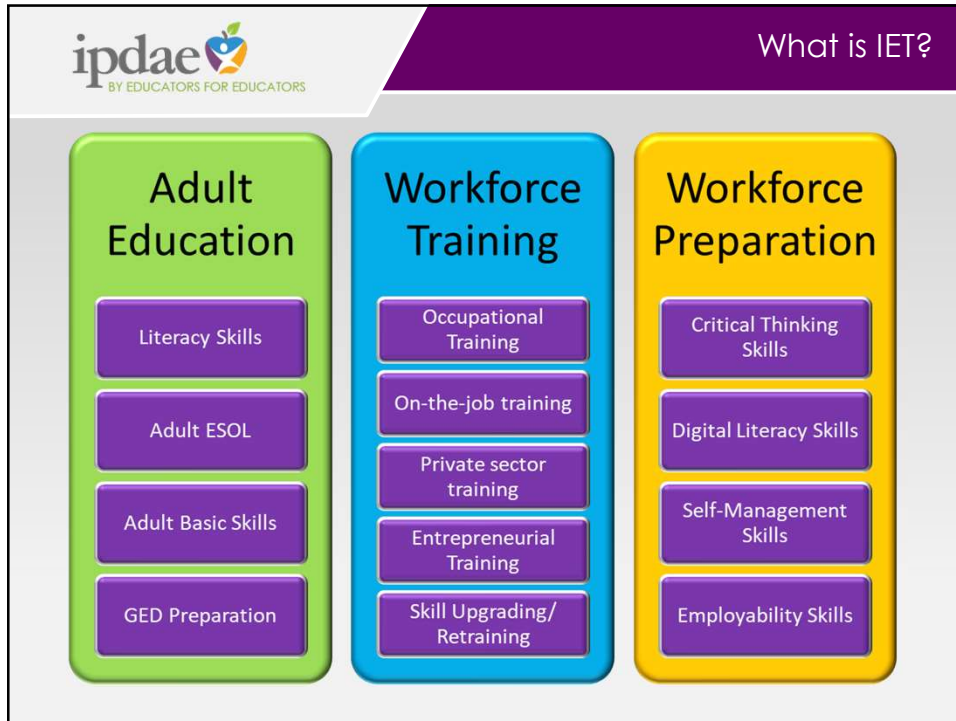
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What is IET?

Component	Skills/Activities
ADULT EDUCATION & LITERACY	Literacy Skills Adult ESOL Adult Basic Skills GED Preparation
WORKFORCE PREPARATION	Critical Thinking Skills Digital Literacy Skills Self-Management Skills Employability Skills
WORKFORCE TRAINING	Occupational Training On-the-job Training Private Sector Training Entrepreneurial Training Skill Upgrading/Retraining

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Florida's IET Guide

2021-2022


Florida's Integrated Education and Training (IET) Guide

Florida's Integrated Education and Training (IET) Guide provides detailed information on how to develop your IET Program.

FLORIDA DEPARTMENT OF EDUCATION
fldoe.org

2021-2022
Florida Department of Education
Division of Career and Adult Education
Carol Bailey

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Guiding Questions

- What **occupational skills course(s)** are being targeted for the IET?
- What **jobs** are associated with the training?
- Who are the **potential students** for this IET?
- What **certifications** are associated with the training? Are they **employer** recognized?
- Are there **basic skills thresholds or language requirements** for the course?
- Are **competencies required to successfully complete the course** (e.g. an exit grade level, a test to pass, ability to read a blueprint, knowledge of fractions, etc.)?
- Is there a **third-party exam or licensure** required to earn the credential?
- What **funding sources** can be used for the IET?
- What **planning time** is allotted for collaborating **instructors**?
- How will participants be **recruited or prepared** for the IET program?
- Can the target population successfully complete the course with basic skills support?
- Is prior preparation or specific **support services** needed?


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USING DATA TO IDENTIFY AREA OF FOCUS

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Choosing an Area of Focus



1. Agriculture, Food & Natural Resources
2. Architecture & Construction
3. Arts, A/V Technology & Communication
4. Business, Management & Administration
5. Education & Training
6. Energy
7. Engineering & Technology Education
8. Finance
9. Government & Public Administration
10. Health Science
11. Hospitality & Tourism
12. Human Services
13. Information Technology
14. Law, Public Safety & Security
15. Manufacturing
16. Marketing, Sales & Service
17. Transportation, Distribution & Logistics

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Career Certificate Program List

CIP	Sec. #	Career Cert. #	Title	Career Cluster
0832011100		E92010R	Pre-Apprenticeship - APPR	Additional CTE Programs/Courses
139900055N		S990005	Specialized Career Education, Basic	Additional CTE Programs/Courses
139900065N		S990006	Specialized Career Education, Advanced	Additional CTE Programs/Courses
139900075N		S990007	Specialized Career Education, Comprehensive	Additional CTE Programs/Courses
1691011001		E91010A	CWE - Agriculture, Food & Natural Resources	Additional CTE Programs/Courses
1691011002		E91010M	CWE - Marketing Sales and Services	Additional CTE Programs/Courses
1691011003		E91010H	CWE - Health Science	Additional CTE Programs/Courses
1691011005		E91010B	CWE - Business, Management and Administration	Additional CTE Programs/Courses
1691011008		E91010C	CWE - Architecture and Construction	Additional CTE Programs/Courses
1691011009		E91010K	CWE - Arts, A/V Technology and Communication	Additional CTE Programs/Courses
1691011010		E91010E	CWE - Education and Training	Additional CTE Programs/Courses
1691011011		E91010X	CWE - Energy	Additional CTE Programs/Courses
1691011012		E91010F	CWE - Finance	Additional CTE Programs/Courses
1691011013		E91010G	CWE - Government and Public Administration	Additional CTE Programs/Courses
1691011014		E91010N	CWE - Hospitality and Tourism	Additional CTE Programs/Courses
1691011015		E91010D	CWE - Human Services	Additional CTE Programs/Courses
1691011016		E91010Y	CWE - Information Technology	Additional CTE Programs/Courses
1691011017		E91010L	CWE - Law, Public Safety and Service	Additional CTE Programs/Courses
1691011018		E91010J	CWE - Manufacturing	Additional CTE Programs/Courses
1691011019		E91010T	CWE - Transportation, Distribution and Logistics	Additional CTE Programs/Courses
1691011020		E91010S	CWE - Engineering and Technology	Additional CTE Programs/Courses
0891010002	8000200		High School Pre-Apprenticeship	Additional CTE Programs/Courses
0891010003	8000300		High School Apprenticeship	Additional CTE Programs/Courses

<https://www.fldoe.org/core/fileparse.php/19937/urll/2021-2022-secondary-program-list.rtf>

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AS/AAS/CCC/ATD Program List

CIP Number	Program Title	Type	Career Cluster
0101030200	Skilled Cattle Worker	CCC	Agriculture, Food, and Natural Resources
0101030302	Aquaculture Technology	CCC	Agriculture, Food, and Natural Resources
0101030304	Tropical Ornamental Mariculture Technician	CCC	Agriculture, Food, and Natural Resources
0101050501	Marine Mammal Behavior and Training	CCC	Agriculture, Food, and Natural Resources
0101050701	Equine Assistant Management	CCC	Agriculture, Food, and Natural Resources
0101050703	Equine Technician	CCC	Agriculture, Food, and Natural Resources
0101060503	Landscape & Horticulture Specialist	CCC	Agriculture, Food, and Natural Resources
0101060504	Landscape & Horticulture Professional	CCC	Agriculture, Food, and Natural Resources
0101060505	Landscape & Horticulture Technician	CCC	Agriculture, Food, and Natural Resources
0301830100	Veterinary Assisting	CCC	Agriculture, Food, and Natural Resources
0703010403	Hazardous Materials Specialist	CCC	Agriculture, Food, and Natural Resources
0703010404	Water Quality Technician	CCC	Agriculture, Food, and Natural Resources
0703010407	Environmental Science Technician	CCC	Agriculture, Food, and Natural Resources
1101000000	Agricultural Production Technology	AS	Agriculture, Food, and Natural Resources
1101010100	Agribusiness Management	AS	Agriculture, Food, and Natural Resources
1101030301	Aquaculture Management	AS	Agriculture, Food, and Natural Resources
1101050701	Equine Studies	AS	Agriculture, Food, and Natural Resources
1101060502	Landscape & Horticulture Technology	AS	Agriculture, Food, and Natural Resources
1101060701	Golf Course Operations	AS	Agriculture, Food, and Natural Resources
1101099901	Zoo Animal Technology	AS	Agriculture, Food, and Natural Resources
1101110303	Citrus Production Technology	AS	Agriculture, Food, and Natural Resources
1103060100	Marine Environmental Technology	AS	Agriculture, Food, and Natural Resources
1301830100	Veterinary Technology	AS	Agriculture, Food, and Natural Resources

<https://www.fldoe.org/core/fileparse.php/19937/urlt/2021-22-CC-program-list.rtf>

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AUGMENTING NEEDS WITH RESOURCES

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What is IET?



[ESPAÑOL](#) | [KREYÖL](#)

Reemployment Assistance Service Center
Business Growth & Partnerships
Workforce Statistics
Community Planning, Development & Services
Workforce Development Board Resources

Local Workforce Development Area WIOA Plans

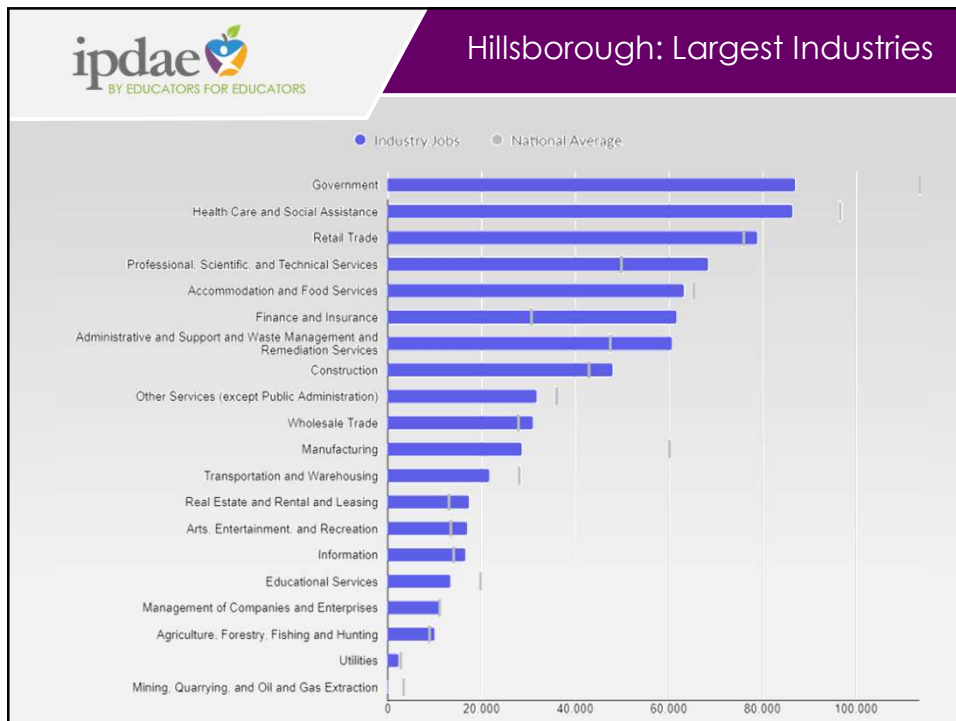
Home > Local Workforce Development Board Resources > Programs and Resources > Local Workforce Development Area WIOA Plans

- Local Area Governance
- Program Monitoring and Reports
- Professional Development and Training
- Policy and Guidance
- Programs and Resources
- Workforce Programs
- Program Quick Facts
- Program Resources
- Local Workforce Development Area WIOA Plans
- Mobile Career Center

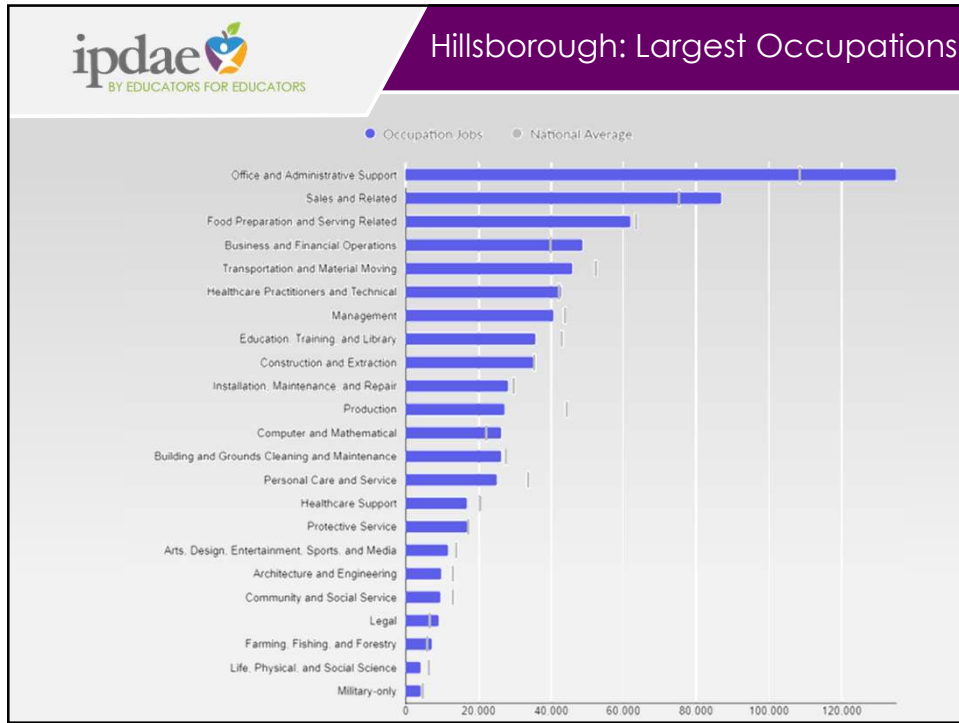


<http://floridajobs.org/local-workforce-development-board-resources/programs-and-resources/local-workforce-development-area-wioa-plans>

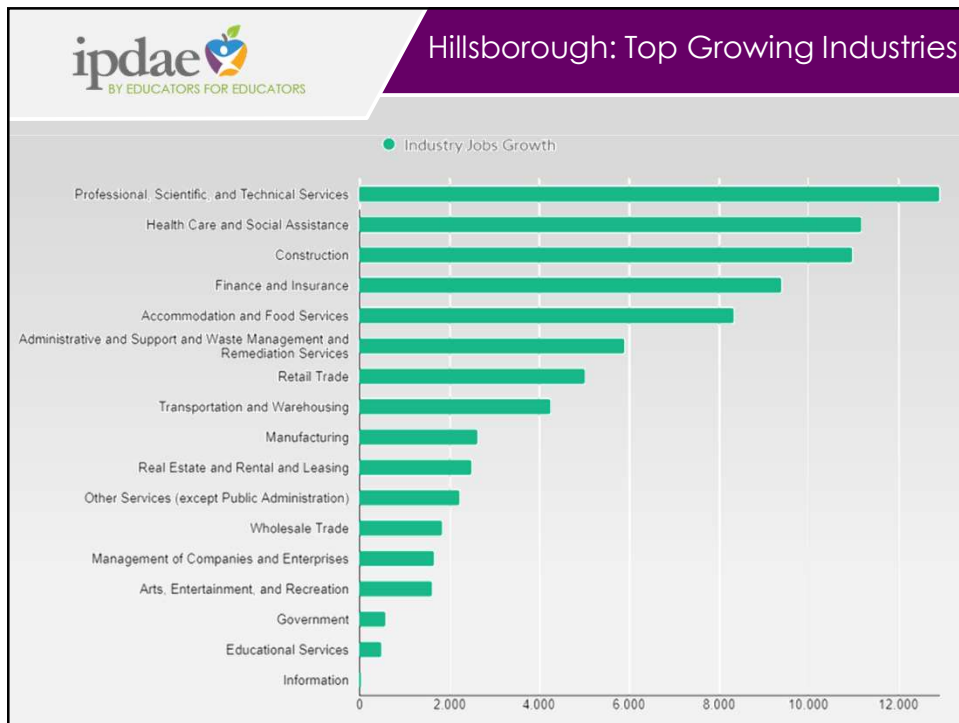
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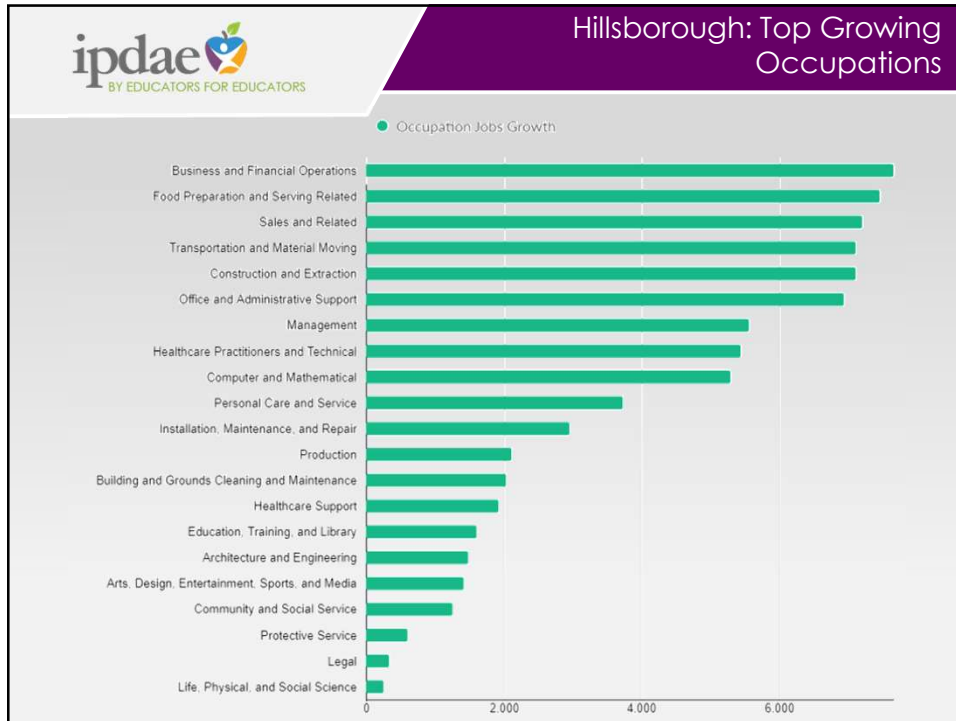
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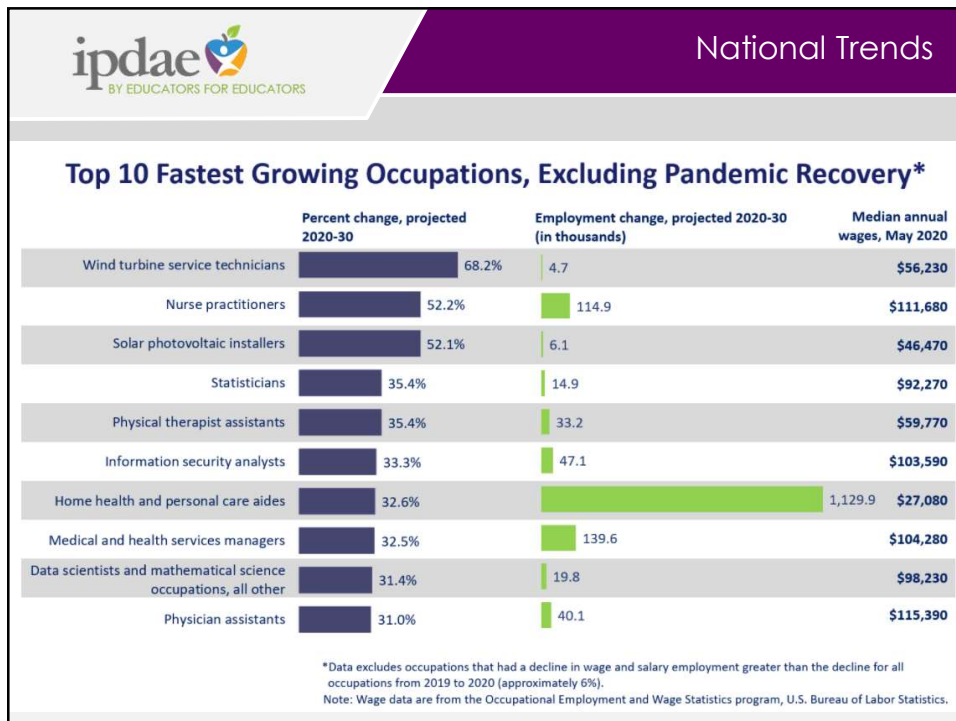
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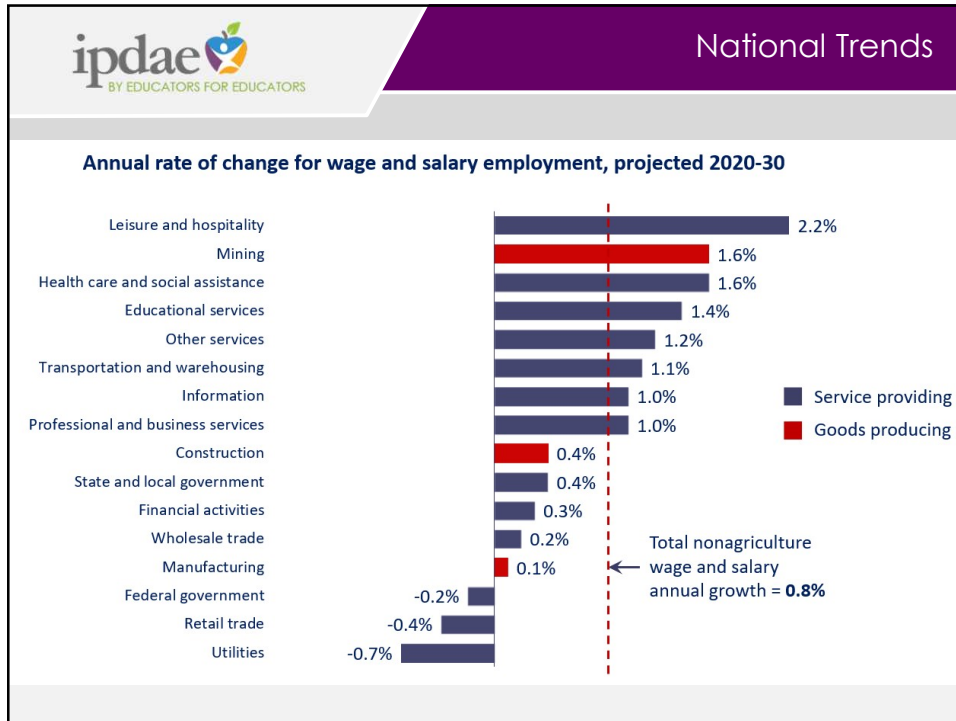
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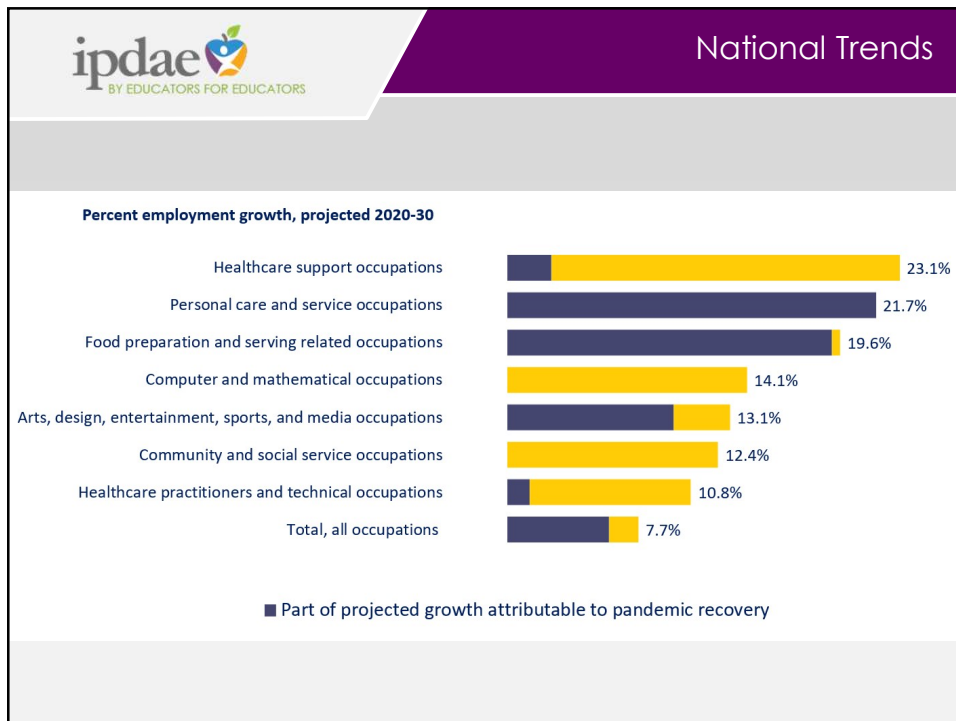
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Future-oriented skills: 2022 and beyond

Technology

- Cloud computing
- Cybersecurity
- AI and ML
- Big Data analytics
- Virtual and augmented reality
- Blockchain
- Video production
- User experience

Interpersonal skills

Communication skills

- Storytelling
- Public speaking
- Synthesizing messages
- Active listening

Mental flexibility

- Adaptability
- Ability to learn
- Creativity
- Ability to adopt different perspectives
- Translating knowledge to various contexts

Building relationships

- Empathy
- Humility
- Sociability
- Inspiring trust

Teamwork effectiveness

- Collaboration
- Resolving conflicts
- Motivating different personalities
- Coaching
- Empowering people
- Fostering inclusiveness

Digital literacy

- Programming literacy
- Digital literacy
- Data analysis and statistics
- Computational and algorithmic thinking
- Digital ethics foundations
- Understanding of smart systems
- Cybersecurity
- Tech enablement

Critical thinking

- Critical thinking
- Ability to understand structured problem
- Search relevant information
- Logical reasoning
- Agile thinking

Self-management

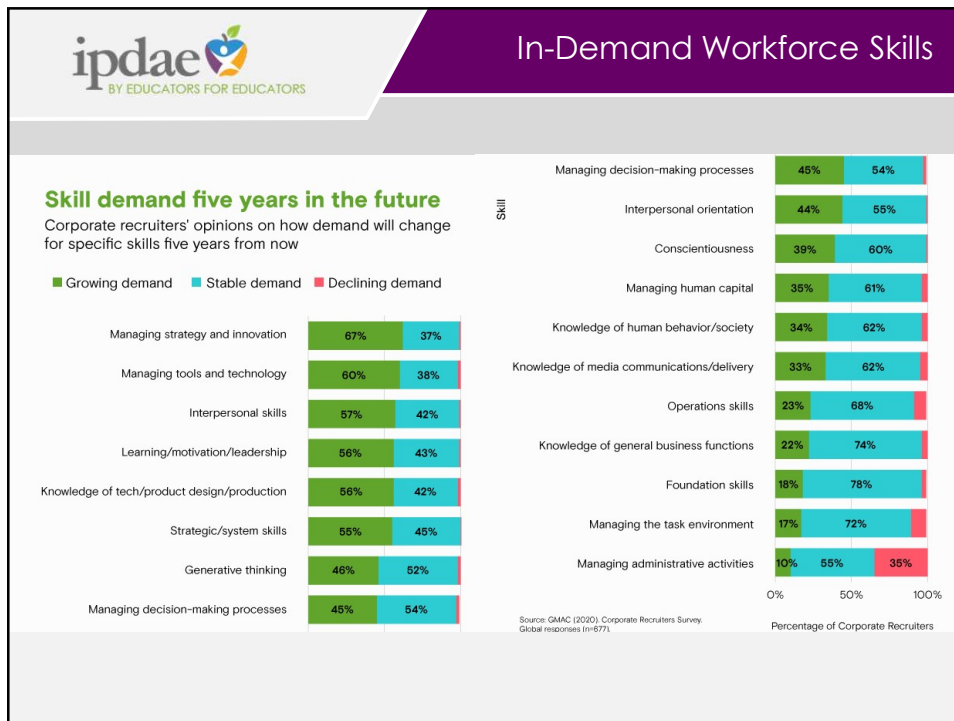
- Understanding own emotions and triggers
- Understanding own strengths
- Self-control
- Self-motivation
- Integrity

Leadership

- Role modeling
- Crafting an inspiring vision
- Organizational awareness
- Ownership and decisiveness
- Grit and persistence
- Ability to cope with uncertainty

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Aligning Resources to Needs

Student Needs



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Language and Basic Skills Assessments

GED TESTING SERVICE®

TABE TESTS OF ADULT BASIC EDUCATION

CASAS



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Interest Assessment

careeronestop
your source for career exploration, training & jobs
Sponsored by the U.S. Department of Labor. A proud partner of the [americanjobcenter](#) network.

Explore Careers ▼ Find Training ▼ Job Search ▼ Find Local Help ▼ Toolkit ▼ Resources For ▼

Interest Assessment

- 30 quick questions
- About 5 minutes
- Learn about careers that might be best for you

[Learn More](#)

Tell us what you like to do.
And what you don't like to do.
We'll show you careers that fit your interests.

START ASSESSMENT

<https://www.careeronestop.org/Toolkit/Careers/interest-assessment.aspx>

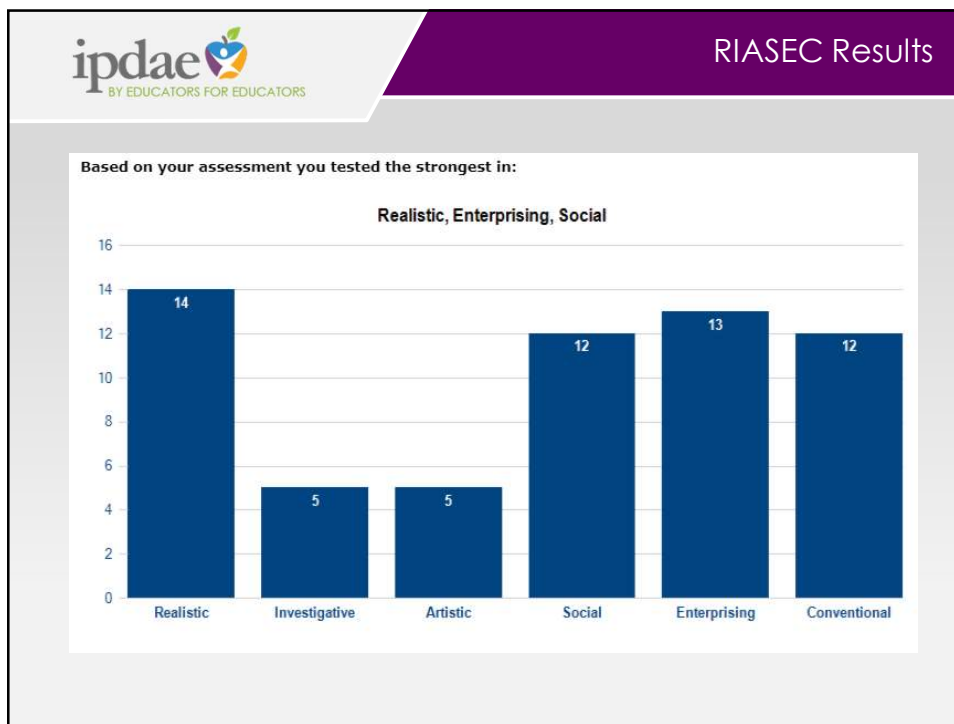
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Questionnaire

Activity	Strongly Dislike	Dislike	Unsure	Like	Strongly Like
11. Start your own business	✓	✓	✓	✓	✓
12. Operate a calculator	✓	✓	✓	✓	✓
13. Assemble electronic parts	✓	✓	✓	✓	✓
14. Conduct chemical experiments	✓	✓	✓	✓	✓
15. Create special effects for movies	✓	✓	✓	✓	✓
16. Perform rehabilitation therapy	✓	✓	✓	✓	✓
17. Negotiate business contracts	✓	✓	✓	✓	✓
18. Keep shipping and receiving records	✓	✓	✓	✓	✓
19. Drive a truck to deliver packages to offices and homes	✓	✓	✓	✓	✓
20. Examine blood samples using a microscope	✓	✓	✓	✓	✓

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(R) Realistic ▲

Realistic people tend to have athletic interests, prefer to work with objects, machines, tools, plants or animals, and like to be outdoors.

At work and at home, you may:

- Be independent, practical, systematic, self-controlled, and straightforward
- Like to work outdoors, be physically active, work on electronic equipment, train animals, and build things
- Be able to play a sport, fix things, operate tools and machinery, plant a garden, camp outdoors

(I) Investigative ▼


(A) Artistic ▼


(S) Social ▼

(E) Enterprising ▼

(C) Conventional ▼

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Occupation Match


CareerOneStop Interest Assessment
Saved to this PC

We found **179** career(s) matching your interest assessment.

Match	Career	Outlook	Hourly Wages	Education
Best	Ambulance Drivers & Attendants	Bright	\$13.43	High school diploma or equivalent
Best	Amusement & Recreation Attendants	Bright	\$11.9	No formal educational credential
Best	Animal Caretakers	Bright	\$12.54	High school diploma or equivalent
Best	Athletes & Sports Competitors	Bright	No Data Available	No formal educational credential
Best	Automotive Glass Installers & Repairers	Below Average	\$18.13	High school diploma or equivalent
Best	Baggage Porters & Bellhops	Bright	\$13	High school diploma or equivalent
Best	Bailiffs	Below Average	\$23.08	High school diploma or equivalent
Best	Barbers	Bright	\$15.61	Postsecondary certificate
Best	Baristas	Bright	\$11.47	No formal educational credential
Best	Bartenders	Bright	\$12	No formal educational credential
Best	Bus Drivers, Transit & Intercity	Bright	\$22.07	High school diploma or equivalent
Best	Buyers & Purchasing Agents, Farm Products	Below Average	\$32.06	Bachelor's degree
Best	Coaches & Scouts	Bright	No Data Available	Bachelor's degree

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Career Information


First-Line Supervisors of Construction Trades and Extraction Workers

Description: what do they do?

Directly supervise and coordinate activities of construction or extraction workers.

Also known as:
Coal Mine Production Foreman, Construction Foreman, Construction Supervisor, Electrical Supervisor, Field Operations Supervisor, Field Supervisor, Insulation Foreman, Roustabout Field Supervisor, Sheet Metal Foreman, Site Superintendent

Career video



0:00 / 1:11

[View transcript](#)

Outlook: will there be jobs?

New job opportunities are **very likely** in the future.

This occupation is:

- Expected to grow much faster than average

Bright

[Find job openings](#)

Projected employment

Year	Employment
2020	692,200
2030	735,300

6% Percent change


70,700 Annual projected job openings

[Compare projected employment](#)

Typical wages

Hourly Wages

Annual wages for First-Line Supervisors of Construction Trades and Extraction Workers in United States



10% 25% Median 75% 90%

Wages: \$41,570, \$54,270, \$67,840, \$87,570, \$109,980

[See more wages](#)

Education and experience: to get started

People starting in this career usually have:


- High school diploma or equivalent
- 5 years or more work experience
- No on-the-job training

Programs that can prepare you:

- Blasting/Blaster
- Building/Construction Technology/Technician
- Building/Construction Site Management/Manager
- Building/Homes/Construction Inspection/Inspector
- Building/Property Maintenance

[More programs](#)

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Career Information

First-Line Supervisors of Construction Trades and Extraction Workers

Typical education

How much education do most people in this career have?



Education level | **Percent of workers in this field**

Doctoral or professional degree	0%
Master's degree	2%
Bachelor's degree	9%
Associate's degree	7%
Some college, no degree	24%
High school diploma or equivalent	43%
Less than high school diploma	16%

[Find local training](#)

Certifications: show your skills

Let employers know you have the skills to do well at this job.

Earning a **certification** can help you:

- Get a job
- Get a promotion

[Find certifications](#)



Licenses: do you need one?

Some states require an **occupational license** to work in this career.


[Find license details for your state](#)

Apprenticeships: learn on the job

Apprenticeships combine paid on-the-job-training with classroom lessons.

[Find apprenticeship opportunities](#)

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Career Information

First-Line Supervisors of Construction Trades and Extraction Workers

Activities: what you might do in a day

- Evaluate projects to determine compliance with technical specifications.
- Monitor construction operations.
- Inspect equipment or tools to be used in construction or excavation.
- Review blueprints or specifications to determine work requirements.
- Direct construction or extraction personnel.
- Coordinate construction project activities.

[More activities](#)

Knowledge

People in this career often know a lot about:

- **Administration and Management** - Knowledge of business and management principles involved in strategic planning, resource allocation, human resources modeling, leadership techniques, production methods, and coordination of people and resources.
- **Building and Construction** - Knowledge of materials, methods, and the tools involved in the construction or repair of houses, buildings, or other structures such as highways and roads.
- **Mechanical** - Knowledge of machines and tools, including their designs, uses, repair, and maintenance.
- **English Language** - Knowledge of the structure and content of the English language including the meaning and spelling of words, rules of composition, and grammar.
- **Customer and Personal Service** - Knowledge of principles and processes for providing customer and personal services. This includes customer needs assessment, meeting quality standards for services, and evaluation of customer satisfaction.

[More knowledge](#)

Abilities

People in this career often have talent in:

- **Oral Comprehension** - Listening and understanding what people say.
- **Oral Expression** - Communicating by speaking.
- **Problem Sensitivity** - Noticing when problems happen.
- **Information Ordering** - Ordering or arranging things.
- **Hear Vision** - Seeing details up close.

[More abilities](#)

Skills

People in this career often have these skills:

- **Coordination** - Changing what is done based on other people's actions.
- **Speaking** - Talking to others.
- **Active Listening** - Listening to others, not interrupting, and asking good questions.
- **Critical Thinking** - Thinking about the pros and cons of different ways to solve a problem.
- **Management of Personnel Resources** - Selecting and managing the best workers for a job.

[More skills](#)

Related occupations

- First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers
- First-Line Supervisors of Farming, Fishing, and Forestry Workers
- Plumbers, Pipefitters, and Steamfitters
- Forest and Conservation Technicians
- Explosives Workers, Ordnance Handling Experts, and Blasters

[More occupations](#)

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Barriers to Participation

Barriers to learning
Adapted from "The Forgotten 90%: Adult Nonparticipation in Education" Patterson (2018)

Dispositional

Situational

Institutional

Barriers to Learning, Part 1 by 21CLEO Research Team | Aug 14, 2019 | 21 CLEO, Announcements
<https://edtech.worlded.org/barriers-to-learning-part-1/>

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Barriers to Participation

Institutional barriers are the result of educational or employment policies and practices which prevent participation.

- Lack of Support
- Cost of Education
- Immediate Supervisors

Barriers to Learning, Part 1 by 21CLEO Research Team | Aug 14, 2019 | 21 CLEO, Announcements
<https://edtech.worlded.org/barriers-to-learning-part-1/>

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Barriers to Participation

Situational barriers are deterrents that arise as adults attempt to balance multiple roles in their lives or deal with health conditions.

- Transportation
- Child Care
- English Language and Literacy
- Digital Inequity


Barriers to Learning, Part 1 by 21CLEO Research Team | Aug 14, 2019 | 21 CLEO, Announcements
<https://edtech.worlded.org/barriers-to-learning-part-1/>

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Barriers to Participation

Dispositional barriers occur when the learner lacks confidence in their skills and abilities, or when they are unaware of their career options.




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Aligning Resources to Needs

Program Resources




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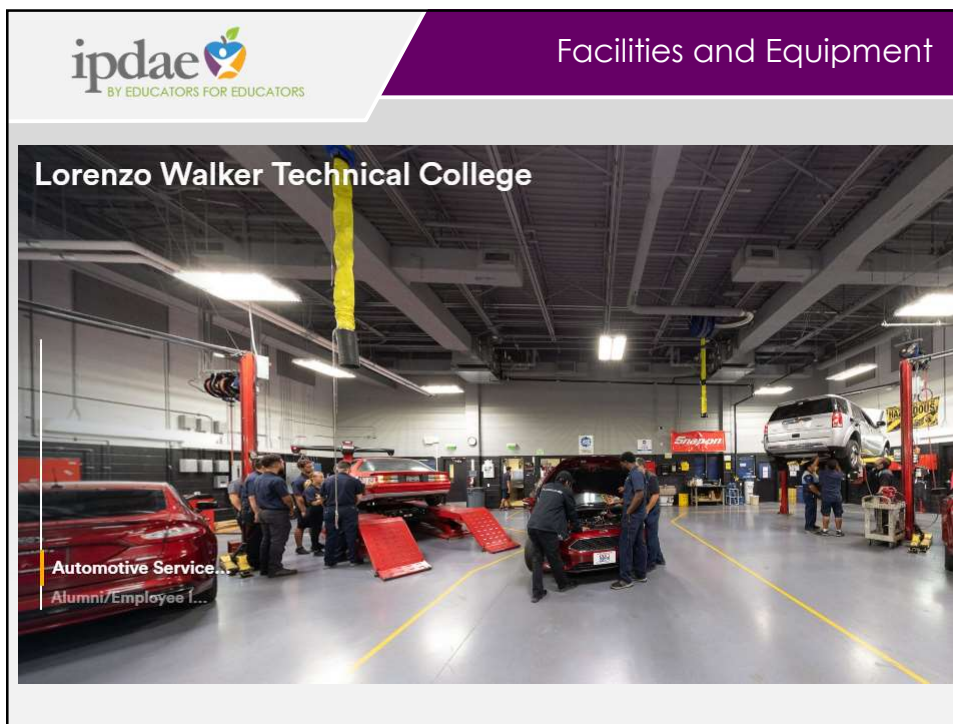
Human Resources

- CTE Curriculum Experts
- CTE/Workforce Training Instructors
- Adult Education Curriculum Expert
- Adult Education Instructors
- Workplace Readiness Expert
- Adult Education Expert
- Counseling Services Representative
- Financial Services Representative
- Technology Services Representative
- One Stop Representative

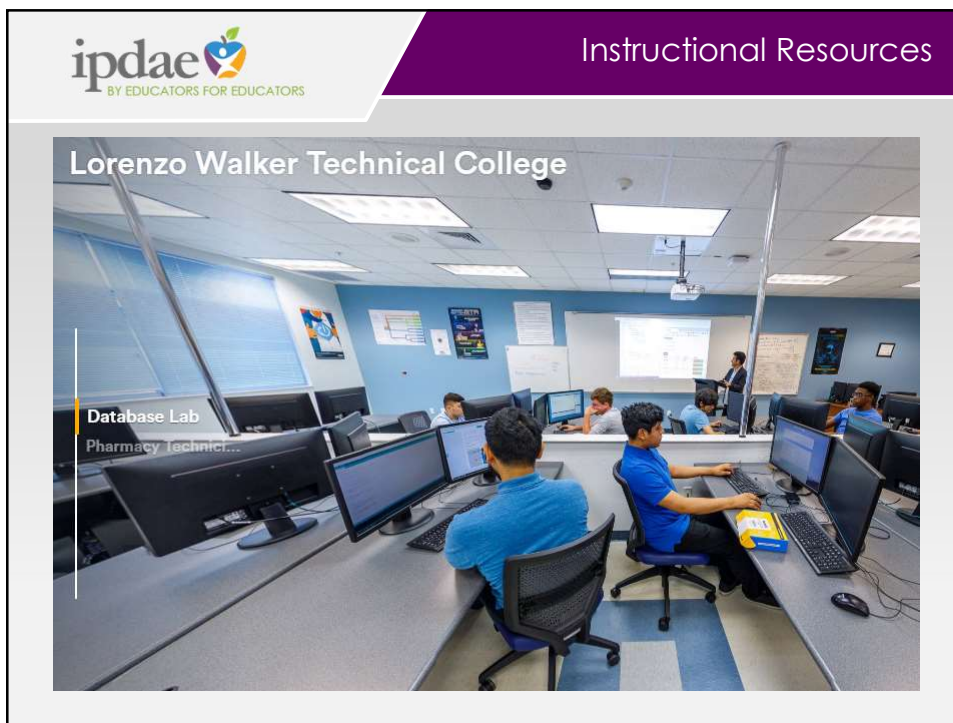


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Instructional Resources



HAZARD AWARENESS CHART

HAZARD CLASSIFICATIONS

HAZARD INDEX

PERSONAL PROTECTION PICTOGRAMS

HAZARD SYMBOLS

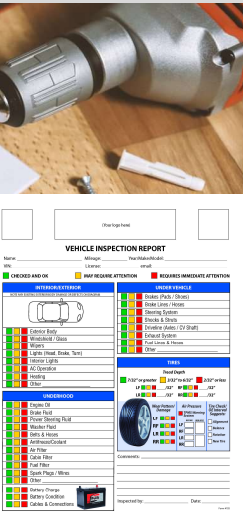
Tracking

Customer Experience

Price

Service Level

Customised Services



VEHICLE INSPECTION REPORT

VEHICLE MAKE

VEHICLE MODEL

VEHICLE YEAR

VEHICLE COLOR

VEHICLE VIN

VEHICLE LICENSE

VEHICLE REGISTRATION

VEHICLE INSURANCE

VEHICLE MILEAGE

VEHICLE OIL

VEHICLE TIRE

VEHICLE BRAKE

VEHICLE LIGHT

VEHICLE WASH

VEHICLE WAX

VEHICLE POLISH

VEHICLE CLEANING

VEHICLE MAINTENANCE

VEHICLE REPAIR

VEHICLE PARTS

VEHICLE ACCESSORIES

VEHICLE CUSTOMIZATION

VEHICLE UPGRADES

VEHICLE MODIFICATIONS

VEHICLE RESTORATION

VEHICLE RENTAL

VEHICLE LEASING

VEHICLE FINANCING

VEHICLE SALES

VEHICLE PURCHASE

VEHICLE TRADE-IN

VEHICLE EXCHANGE

VEHICLE TRANSFER

VEHICLE REGISTRATION

VEHICLE LICENSE

VEHICLE INSURANCE

VEHICLE MAINTENANCE

VEHICLE REPAIR

VEHICLE PARTS

VEHICLE ACCESSORIES

VEHICLE CUSTOMIZATION

VEHICLE UPGRADES

VEHICLE MODIFICATIONS

VEHICLE RESTORATION

VEHICLE RENTAL

VEHICLE LEASING

VEHICLE FINANCING

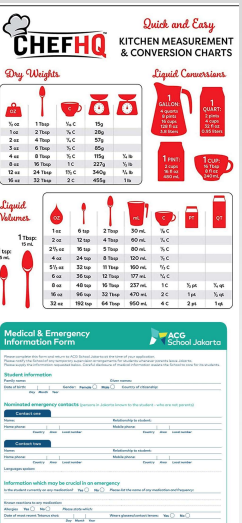
VEHICLE SALES

VEHICLE PURCHASE

VEHICLE TRADE-IN

VEHICLE EXCHANGE

VEHICLE TRANSFER



CHEFHQ

Quick and Easy KITCHEN MEASUREMENT & CONVERSION CHARTS

Dry Weights

Liquid Conversions

Liquid Volumes

Medical & Emergency Information Form

ACG School Jakarta


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Aligning Resources to Needs

Regional Assets & Partners



CareerSource
OKALOOSA | WALTON COUNTY

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LWDB Targeted Sectors

Based on analysis of emerging labor market data and to ensure better alignment as we expand our sector strategies initiatives, CSTB is requesting the following targeted sectors and corresponding NAICS codes for 2020-2024:

1. Transportation and Trades (42, 11, 48-49)
2. Manufacturing and Logistics (31-33)
3. Hospitality, Tourism and Retail (71-72,44-45)
4. Finance and Professional Services (52-61,92)
5. Information Technology (51)
6. Healthcare and Life Sciences (62)

These expanded sectors will allow CSTB to better serve our businesses in Hillsborough County and become more knowledgeable in these active and growing industry sectors.

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Regional Partners



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Examining the Targeted Course Template

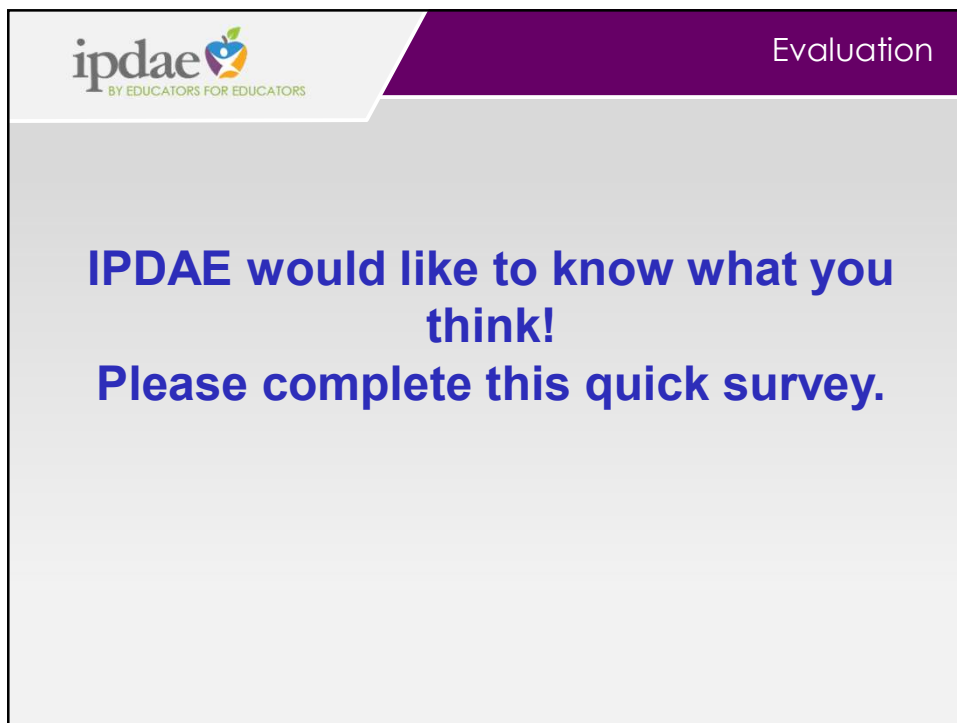
Use the Examining the Targeted Course Template in your workbook to put all your data together and help you develop your IET Program.

Examining the Targeted Course	
OST Course/Career Pathway	
What jobs are associated with the OST?	
Who are the potential students for this IET?	
Certifications associated with training	
Are certifications employer recognized?	
Pre-Requisites	Basic Skills Threshold
	Language Requirement
	Experience in Field or Occupational Skill Threshold
	Educational Credential
Exit Criteria/ Competencies Required	Testing/Assessment (Final test, placement test score, etc.)
	Performance Verification (Reading a blueprint, measuring a pipe, writing incident reports, etc.)
	Credentialing completed
What funding sources can be used for the IET?	
What planning time is allotted for collaborating instructors?	
How will participants be recruited or prepared for the IET program?	

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Thank You



**Thank you for your
participation!**

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