

# SkillsCommons: Free and Open Online Library of CTE Instructional Materials and Program Support Resources

October 8, 2020



Presentation slides available in handouts.



A recording of the webinar will be sent.



Submit questions in the questions box.



Please complete our survey.

# Today's Moderator



**Jenny  
Parks**  
*Vice  
President*

# Today's Presenters



**Gerry Hanley, Ph.D.**

*Executive Director*

MERLOT an SkillsCommons

*Director*

Center for Usability in Design and  
Accessibility, California State University,  
Long Beach

*Professor Emeritus*

Dept of Psychology, California State  
University, Long Beach

# Poll Question #1

**What role do you have at your campus?**

- a. Faculty teaching a CTE course
- b. Administrator of a CTE program
- c. Instructional design and/or technology support for CTE program
- d. Advisor for a CTE program
- e. Other

# Poll Question #2

**Why are you attending this webinar?**

- a. Looking for online teaching materials to build into my courses
- b. Strategies to help me teach during COVID Advisor for a CTE program
- c. Help in moving programs, including apprenticeship programs online

# Poll Question #3

**Have you used OER before?**

- a. Yes
- b. No
- c. Don't know
- d. Don't know what OER is

# **SkillsCommons: Free and Open Online Library of CTE Instructional Materials and Program Support Resources**

**Gerry Hanley, Ph.D.**

**Executive Director, SkillsCommons & MERLOT**

**Director, Center for Usability in Design and Accessibility**

**California State University, Long Beach**

**Midwestern Higher Education Compact**

**Oct 8, 2020**

# My Job: Give You A Gift and Not A Burden

- Provide Free and Easy Access to **Teaching/Learning Materials, Strategies, & Tools** to support your CTE programs.

# What I'll Present Today



- **Background on SkillsCommons**
- **Demonstrate how you can use it now.**
- **Using SkillsCommons to support your CTE programs, work-based learning & apprenticeships during COVID**



# TAACCCT

TRADE ADJUSTMENT ASSISTANCE COMMUNITY COLLEGE AND CAREER TRAINING GRANT PROGRAM

# \$1.9 BILLION

## AWARDED OVER 4 YEARS

**Engaged 62% of the nation's community colleges.**

.....

## GOAL

**Design innovative and effective programs that address specific industry needs and lead to improved learning, completion and career outcomes for TAA-eligible workers and other adults.**

# Accelerated Programs Designed for Adults

SKILLS  
COMMONS



## INDUSTRY ALIGNED CURRICULUM

developed with employer partners.



## ACCELERATED LEARNING STRATEGIES

eLearning, credit for prior learning, competency-based models, stacked/latticed credentials, & innovative models to increase access to credentials for underprepared learners.



## HANDS-ON EXPERIENCE

including on-the-job training, internships, and registered apprenticeships.

# World's Largest Collection of OER in Workforce Dev



**All grant funded materials were:**

- **Designed to meet employer needs- TAACCCT projects had to have an industry partner.**
- **Assigned a Creative Commons license so you can reuse, revise, remix, retain, and redistribute them.**
- **Evaluated by subject matter experts for quality**
- **Uploaded to [SkillsCommons.org](https://SkillsCommons.org)**

## Workforce Development Digital Library

FREE and OPEN Workforce Training Materials for 21st Century Employment



Browse by [industry](#), [credentials & material type](#) | [Advanced search](#)



**COVID-19 Response:** Get FREE and OPEN Learning Materials for [Hygiene](#) | [Workplace Safety](#) | [Infection Control](#).



### Showcases

View our showcases of course material



### Connect

Connect with Workforce Development



### Contribute

Upload OER and workforce development

- **What's in the library?**
- **What's in the Showcases?**
- **What's in the Connect Center?**
- **How can you help me move my programs, faculty, and students online successfully?**

**[www.skillscommons.org](http://www.skillscommons.org)**

# SkillsCommons.org



ABOUT SHOWCASES BROWSE CONNECT SUPPORT CONTRIBUTE CONTACT LOGIN

## SKILLS COMMONS

Your FREE and OPEN digital library of Workforce Training Materials  
Preparing the Workforce for 21st Century Employment through TAACCCT

Browse by industry, credentials & material type  
Advanced search

**View Showcases**  
Project outcomes, course material makeovers, open courseware and grant showcases.

View -

**Get Connected**  
Announcements, SkillsCommons communities and events, industry sectors, technology partners, social media, and more.

Connect =

**Contribute Materials**  
Upload TAACCCT educational resources either individually or in batch format.

Contribute =

**Support Center**  
Get help uploading, planning, and implementing strategies for your project.

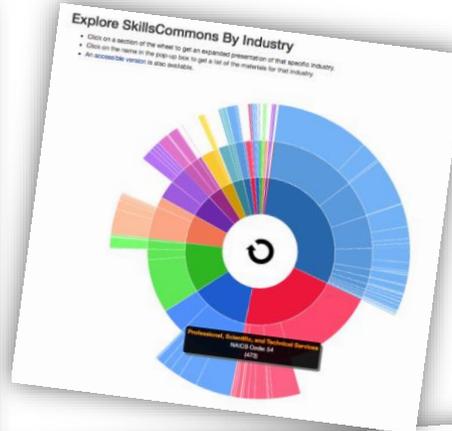
Support =

**Explore free and open educational resources in Workforce Development**

- Developed in partnership with local industries
- Reviewed by subject matter experts
- Focused on skills businesses need today

Use our interactive Industry Wheel to locate materials that are free and open for you to use!

Explore =



ABOUT BROWSE SHOWCASES PARTNER WITH US

PROJECTS  
MATERIAL TYPE  
CREDENTIAL TYPE  
INSTITUTION  
INDUSTRY (WHEEL)  
OCCUPATION

SKILLS COMMONS

Your FREE and OPEN digital library of Workforce Training Materials  
Preparing the Workforce for 21st Century Employment.

Browse by industry, credentials & material type  
Advanced search

Total hits all time: **4,413,584**

- File downloads
- Item views

**Top projects by item views**

Project	Overall
Industrial Automation Manufacturing Innovative Strategic Training Achieving Results (IAM Star)	441,888
National STEM Consortium	71,144
National Information, Security, and Geospatial Technology Consortium (NISGTC)	67,173
Colorado Helps Advanced Manufacturers Program (CHAMP)	64,482
Illinois Green Economy Network Career Pathways (IGEN)	62,627
Partnership for Accelerated Learning through Engagement, Visualization, and Simulation (PAVES)	36,499
Consortium for Healthcare Education Online (CHCEO)	35,775
International Networks Transforming Effective and Rigorous Facilitation of Assessment, Collaboration, and Education (INTERFACE)	34,022
Innovations Moving People to Achieve Certified Training (IMPACT)	32,384
Health e-Workforce Consortium	29,837
Connecticut Health and Life Sciences Career Initiative (H-L-SCI)	28,458

**Top projects by file downloads**

Project	Overall
Consortium for Healthcare Education Online (CHCEO)	273,003
Air Washington	270,010
Massachusetts Community College and Workforce Development Transformation Agenda (MCCOWTA)	203,301
Health Information Technology (HIT) Student Connections	118,773
ShateNET: Building Capacity and Career Pathways for the Oil and Gas Industry	111,477
Tennessee Valley Institute for Materials Joining and Training (BJAJT)	105,228
Innovations Moving People to Achieve Certified Training (IMPACT)	96,009
Missouri Healthcare Workforce Innovation Networks (MHealthWIN)	86,026
Pathways to Allied Health Professions (PAHL)	80,301
Health e-Workforce Consortium	59,044
Oregon Credentials, Acceleration, and Support for Employment (CASE)	48,599

**Top downloads by material type**

Material type	Overall
Syllabus	1,038,652
Presentation	945,914
Assignment	941,249
Assessment Tool	896,106
Quiz/Test	843,453
Hybrid/Blended Course	826,407
Workshop and Training Material	806,017
Collection	614,677
Reference Material	500,629
Illustration/Graphic	441,837
Drill and Practice	441,466

**File downloads by quarter**

Home > Search

search

Advanced search

Online Course Module ✕

## Industry

- Health Care and Social Assistance (62) (20)
- Health Care and Social Assistance -- Nursing and Residential Care Facilities (623) (10)
- Health Care and Social Assistance -- Nursing and Residential Care Facilities -- Other Residential Care Facilities (6239) (9)
- Developmental Education (5)
- Health Care and Social Assistance --

Results 1-10 of 51

sort by: **relevance** | newest first | oldest first

### Transitions to Nursing Practice

Hybrid/Blended Course

Roane State Community College

This course is designed to facilitate the transition of licensed practical nurses in becoming associate degree registered nurses. Topics include the role and competencies of the nursing student and graduate; the philosophy and conceptual framework of the nursing profession; and selected historical, . . .

### Transition to Professional Nursing - ASN 200

Online Course Module

Ozarks Technical College

[Home](#) > [A Prescription for Training Healthcare Workers in Tennessee \(RX TN\)](#) > [Learning Resources Collection](#) > [View Item](#)

## Transitions to Nursing Practice

This course is designed to facilitate the transition of licensed practical nurses in becoming associate degree registered nurses. Topics include the role and competencies of the nursing student and graduate; the philosophy and conceptual framework of the nursing profession; and selected historical, ethical, and legal aspects of the nursing profession.

 [RxTN Transitions - zipped course \(16 MB\)](#)

 [RxTN Transitions - Syllabus \(382 KB\)](#)

 [RxTN Transitions - SME review \(374 KB\)](#)

 [Peer Reviewer Report for Transitions to Nursing Practice.pdf \(158 KB\)](#)

 [Peer Reviewer Report for Transitions to Nursing Practice.docx \(59 KB\)](#)

Did you download this item? We value your feedback, and it'll only take a minute

### Browse all of SkillsCommons

- [Grant Projects](#)
- [Material Type](#)
- [Credential Type](#)
- [Institution](#)
- [Industry](#)
- [Industry \(Wheel\)](#)

### Browse this Collection

- [Material Type](#)
- [Credential Type](#)
- [Institution](#)
- [Industry](#)
- [Industry \(Wheel\)](#)

### Statistics

- [Most Popular Items](#)

# Work-Based Learning & Apprenticeships - Strategies

## Why Use SkillsCommons for Work-Based Learning and Apprenticeships?

- Apprentices can benefit from learning and preparing for success before entering the workplace with FREE online training materials.
- Mentors and managers can make work-based learning more productive and efficient with FREE online training and program materials.

## Benefits for Apprentices, Mentors and Managers

With free access to job-driven, workforce development materials from SkillsCommons:

### Apprentices Can...



- Become familiar with concepts, terms and vocabulary used on the job.
- Become knowledgeable about the safety and workplace regulations.
- Become oriented to the communication strategies and soft skills required for job success.
- Become familiar with the different career paths within the industry and learn about the different levels and categories of competencies required for different careers.
- Become familiar with some of the tools of the trade through practices on virtual labs (e.g. online electrical circuit labs).
- Develop some self-regulatory and resiliency skills by practicing to become a self-guided learner.

### Mentors and Managers Can...



- Identify and select the materials the apprentice should become familiar with in preparation for their work-based learning.
- Review the communication strategies and soft skills required to effectively mentor the apprentice.
- Become familiar with the different career paths within industry sectors and learn about the different levels and categories of competencies required for different careers.

# Work-Based Learning & Apprenticeships - Strategies

SKILLS  
COMMONS 

## Apprenticeship Projects in SkillsCommons



This project showcase highlights a variety of exemplary WBL programs of study across multiple industry sectors and geographic locations. The WBL models shown here encompass a range of activities that occur at the workplace, such as job shadowing, internships, and apprenticeships.

[View Apprenticeship Project Showcase](#)

## Apprenticeship Resources in SkillsCommons



We have created “showcase collections” to make it easy for you to get started finding and using SkillsCommons’ resources.

[View Apprenticeship Resources](#)

## Who Can Use SkillsCommons Training Materials?

- Career and technical education programs in high schools, colleges and higher education institutions for FREE
- Businesses and their human resource departments in a wide range of industry sectors for FREE
- National, state, and regional workforce investment boards and workforce professional organizations for FREE
- Individual instructors and learners for FREE

And all you need to do is download the materials, customize them as you wish, and provide the proper attribution to the original author of the resources.

## Develop Your Apprenticeship Program

### [Planning Your Apprenticeship Program: The Basics](#)

Successful apprenticeship programs benefit from for five players (mentor, apprentice, manager/supervisor, industry organization(s), and sponsor) implementing their responsibilities effectively. [Learn more...](#)

### [Leverage U.S. Department of Labor’s Apprenticeship Resources!](#)

Find materials about participating in registered apprenticeship programs as well as starting and build registered apprenticeship programs and women’s equity in apprenticeships. [Learn more...](#)

### [Partner with Us!](#)

SkillsCommons can provide a range of technical assistance to help you plan and implement your apprenticeship programs.

# Work-Based Learning & Apprenticeships - Resources

SKILLS  
COMMONS 

**EXPLORE FREE TRAINING RESOURCES AND USE WHAT WORKS FOR YOU!**  
**The SkillsCommons Library FREE and OPEN for YOU!**

We have created "showcase collections" to make it easy for you to get started finding and using SkillsCommons' resources. You can search the entire library of FREE and OPEN EDUCATIONAL RESOURCES at [www.skillscommons.org](http://www.skillscommons.org)



Industrial Technology



Healthcare



HVAC



Electrical and Lineman



Carpentry



Health IT



Welding



Agriculture

# Work-Based Learning & Apprenticeships - Resources



## Apprenticeship Program Guideline Examples

### Strategy 1 Developing and Delivering the Hybrid HVAC Apprenticeship Certificate

(Wyoming): Developed for individuals looking to complete the HVAC Apprenticeship Certificate Program to meet the State of Wyoming and Department of Labor (DOL) Office of Apprenticeship educational requirements.

### IT Flowchart HVAC Pathway

(Mississippi): This is a graphic that depicts the college's career pathway for HVAC occupations beginning with a core curriculum and culminating in an A.A.S. degree.

### HVAC Theory Curriculum and Class Standardization

(Washington D.C.): This program of study presents the concepts of heating and air conditioning including air and refrigerant distribution systems.

### HVAC Certificate Program and Syllabi

(Wyoming): HVAC Apprenticeship Certificate Program and related syllabi for a series of four classes required for the State Supervised Apprenticeship program.

## Instructional Materials for HVAC Apprenticeships



HAC 121 Heating



AC113 Schematic Reading Course Material



AC106 9601 Air Conditioning Servicing Material



Auto Heating and Air Conditioning Lab and Theory



Geothermal and Heat Pump Systems

## Career Resources

Career One Stop - HVAC Mechanics and Installers

## Federal Resources

U.S. Dept of Labor Energy Apprenticeship Programs

## Partnership Resources

Coming soon!

# Industry Expert to Expert Instructor



HOME ABOUT + SHOWCASES BROWSE + CONNECT SUPPORT CONTRIBUTE CONTACT LOGIN

## Jumpstart to Successful Instruction Courses

Home > Jumpstart to Successful Instruction Courses

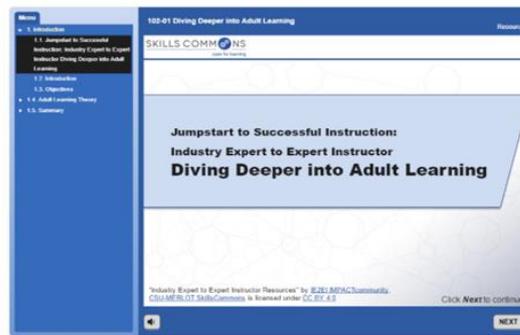
[Back to Teacher/Instructor Open CourseWare](#)

**Audience:** Instructional designers, Industry training and students

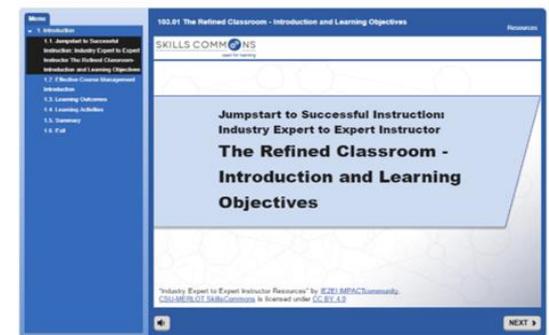
The Jumpstart to Successful Instruction (IE2EI) courses provides professional development rich in resources to help the industry expert develop a successful learning environment. Most of the materials are practical and presented in a manner that will allow instructional new comers immediately incorporate proven adult learning concepts into their courses.



101 - Jumpstart to Successful Instruction (IE2EI)



102 - Jumpstart to Successful Instruction (IE2EI)



103 - Jumpstart to Successful Instruction (IE2EI)

# Industry Expert to Expert Instructor



## 101-07 Connecting the Learning Objectives and Competencies to Grades

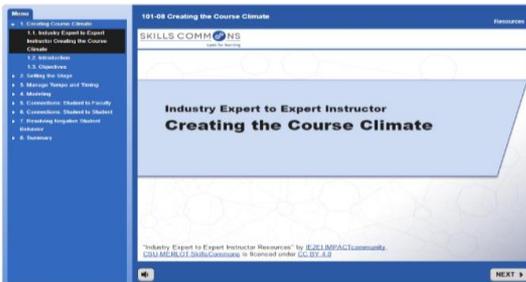


In this module participants will be introduced to tools to help foster student learning. Topics include encouraging student self-responsibility towards their learning, encouraging active learning, creation of logical grading systems, and ensuring student success with effective feedback.

**Preview Online Course:** [Connecting the Learning Objectives and Competencies to Grades](#)

**Download Materials:** [Connecting the Learning Objectives and Competencies to Grades](#)

## 101-08 Creating the Course Climate



In this module participants will be encouraged to establish a course climate which fosters learning. Best practices include managing tempo and timing of lessons, creating opportunities to connect students to the instructor and opportunities for student to connect to other students. Included in this module are resolving negative behavior impacting student progress.

**Preview Online Course:** [Creating the Course Climate](#)

**Download Materials:** [Creating the Course Climate](#)

## 101-09 The First Day of Your Course



In this module participants will review how to prepare your students for success on the first day of the course. Topics covered include setting the tone of the course including behavior expectations, prerequisite skills expected prior to starting the course and a general overview of the scope and sequence of the course. Additional information contained includes ensuring student understand what is expected of them by reviewing policies of the institution and policies specific to your course such as grading, communication, and safety.

**Preview Online Course:** [The First Day of Your Course](#)

**Download Materials:** [The First Day of Your Course](#)

# SkillsCommons, MERLOT tools, and COVID-19



- COVID-19 Response Site:  
[Teaching and Learning Online](#)
- Open CTE Resources
- Full Courses: Hygiene, Safety, Infectious Materials



## Preparing Teachers & Students for Online Learning

In response to the recent developments due to [COVID19](#), [SkillsCommons](#) and [MERLOT](#) have created this FREE online resource to help both Teachers and Students prepare to start teaching and learning online.

### Free Teaching and Learning Online Materials

#### Teaching Online



#### Learning Online



#### Career/Technical Ed Resources





# Teaching Online

## Learning To Teach Online - Recommendations & Free Courses

Download the latest edition of "[Delivering High-Quality Online Instruction in Response to COVID-19: Faculty Playbook](#)". This playbook is a collaboration between the Online Learning Consortium (OLC), the Association of Public and Land-grant Universities (APLU), and the Every Learner Everywhere Network with support from the Bill & Melinda Gates Foundation. It is designed to serve as a concise guide in addressing faculty needs for online course design, teaching, and continuous improvement.

Download the [Chronicle of Higher Education's free collection of advice guides and opinion pieces](#) on online learning. You'll get the insight and analysis needed to make the adjustment to teaching a full roster of courses online.

Download [The Ten Fundamentals to Teaching Online for Faculty and Instructors](#) by Dr. Tony Bates, 10 pages, September 2016.

Download "[Try This Instead of That](#)" [Recommendations](#) when transitioning to teaching remotely (Califf page quick reference)

### FREE online mini-courses: Learn Teaching Online Basics

Here are two courses developed by higher ed for higher ed funded by federal grants. You can download the course "in the cloud".

1. [Designing and Teaching Online](#) course has six (6) easy-to-review modules to cover the basics created by the University of Alaska Anchorage. Includes FLASH videos so Internet Explorer browser works and have problems.
2. [Introduction to Distance Education](#) course has five (5) easy-to-review modules created by the Ker at the University of Alaska Anchorage. Includes FLASH videos so Internet Explorer browser works and have problems.

## Virtual Labs for Online Courses

[MERLOT Virtual Labs Portal](#) MERLOT has create a collection of free and open virtual labs across a variety of STEM disciplines that can be very effective in supporting online instruction for laboratory courses.

[Virtual Labs Teaching ePortfolios](#) The Virtual Labs portal also provides a collection of teaching ePortfolios by faculty implementing virtual labs and research on the effectiveness of using virtual labs.

[MERLOT non-STEM Collection of Simulations](#) MERLOT also has collections of simulations that can support laboratory-like experiences in non-STEM disciplines:

[Arts](#) | [Business](#) | [Education](#) | [Humanities](#) | [Social Sciences](#) | [Workforce Development](#)

## Looking for Online Course Content?

[MERLOT](#) is your free and open library of free and open course content across all academic disciplines. In addition to its over 90,000 materials, it also simultaneously searches over 70 other free and open libraries as well as a dynamic, education-aligned searching of the web.

[Affordable Learning Solutions](#) from MERLOT & SkillsCommons provides a FREE and open library of training materials, virtual labs, and general education materials that you can give your students to help them learn.

[SkillsCommons](#) is your free and open library of free and open workforce development and training resources funded by the U.S. Department of Labor. It is a national repository of workforce OER that supported over 700 community colleges creating enhancements and innovations in their workforce curriculum that is now OER available to you.

# Explore over 700 open educational practices in ePortfolios



## Coherent Statistics with Flipped Instruction

Ji Son, Assistant Professor, Psychology Department

CSU Los Angeles

- Because of the flipped classroom, more face-to-face time can be devoted to activities that require on-campus computers that have the requisite software (e.g., SPSS).

### Diversity

- The pedagogical strategies employed here promote students working together as a diverse community of scholars. Students are encouraged to use multiple representations (e.g., diagrams, gestures, words, equations) and multiple ways of explaining in order to communicate these abstract ideas about statistics.
- The class is designed for students with a wide range of algebra skills.

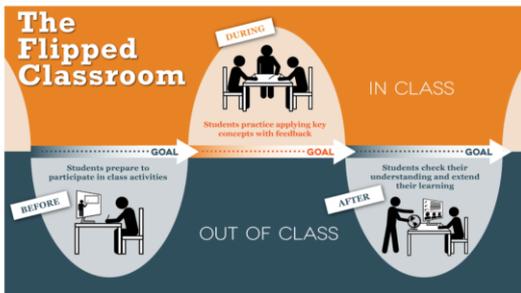


### About Me

- I am a recently tenured professor at CSULA and enjoy teaching statistics and cognitive science. I am interested in helping students gain skills and perspectives that will continue on with CSULA. I received my PhD in Cognitive Science and Psychology at Indiana University.

### About the Course and the Students

Stage 1

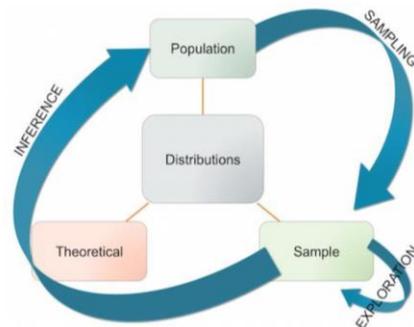


From the Center for Teaching and Learning at UT Austin

### Background on the Redesign

#### Why Redesign Your Course?

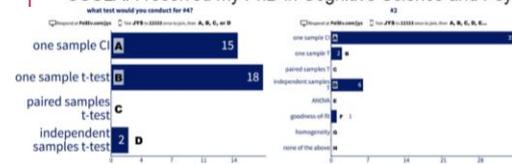
- Students come into this statistics course with little experience in quantitative reasoning about data. Also, they come in with much emotional baggage regarding their past experiences with mathematics. Thus, with much trepidation and



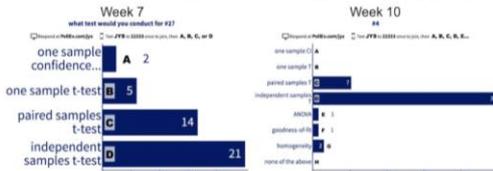
### Teaching and Learning Resources

The above graphic is the "distribution triad" used to create coherence across the many topics covered in an inferential statistics course.

Check out our freely available materials (in a format importable into campus LMS where questions are embedded into LMS: <http://coursecraft.org>; word doc format for students to fill out with pencil-and-paper: <https://sites.google.com/view/statsteach>). Dr. Son also has done research and professional development for

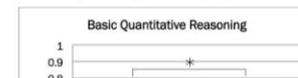


The next two graphs below illustrate students' responses to situations where the most apt statistical analysis was independent samples t-test. Even though they have covered many more statistical tests by Week 10 and thus had many more possible choices, students have improved in being able to apply this analysis appropriately.



### Basic Quantitative Reasoning

Even though this quantitative reasoning test had no statistics content, nor did the course cover these topics explicitly, students improved on average about 7% ( $SD = 13\%$ ), a statistically significant increase,  $t(47) = 3.57, p = .001$ .





# Learning Online

## How To Learn Online - Resources for Students

Your students need to be prepared to learn online. You can provide them self-assessments about their readiness and easy-to-use tutorials to learn the skills they need to be successful in online learning

1. **Self Assessments on Readiness for Online Learning:** Explore a collection of these self-assessments on MERLOT and choose ones that are right for your students.
2. **Diagnostic Assessment and Achievement of College Skills** includes assessment of self-regulation skills essential for online learning. [Learn more about DAACS...](#)
3. **Tutorial for Online Learning:** The California Community College's Online Education Initiative created a series of 4 interactive tools to help students learn skills and plan for being a successful online student.
4. **Supporting Students Learning in COVID19 Environments:** Emerson Collective has created a series of resources to help you develop ways to support students learning online. Emerson Collective is a social enterprise that uses a broad range of tools including philanthropy, impact investing, and policy solutions to create the greatest number of people.

## Competency-Based Tutorial for College Skills including Online Learning

MERLOT, SkillsCommons, and Gooru have created a self-paced, competency-based tutorial that faculty can use as a supplemental learning activity.

- **College Skills Navigated Learning Curriculum** – You can adopt this course curriculum for **Free!**
- Teachers and students can sign up as guests and use the **College Skills Tutorial** which provides you with a performance for **Free!**
- **Customize the College Skills Course** - you can customize this college skills tutorial for your institution

The tutorial is like “Google Maps for Learning”; after a diagnostic to assess the learner’s current knowledge

## Let Students Find & Share Online Learning Resources

MERLOT and SkillsCommons are free and open online libraries for everyone to use, including students!

Students can find and share online learning resources that work for them. Over 50,000 students from around the world are MERLOT members (it’s free to join) and have used it to support their own online learning. Students can create their own personal collections of learning resources and easily share them with you and their fellow students. Providing your students an assignment to explore MERLOT and SkillsCommons and share the online resources they find most valuable helps them learn (and develop ICT literacy skills) and reduces faculty workload in finding the “good stuff” on the web.

- Have **students become MERLOT members for FREE** so they can participate in the worldwide community of online learning throughout their lives.
- Explore MERLOT’s tools to **build and share personal “bookmark collections”**.
- Explore **SkillsCommons collection of free online learning materials** to prepare for jobs in a variety of industry sectors.
- Reuse/revise a **Class-Assignment.docx** for your students at the start of your transition to online learning. Use the pandemic as a topic and have your student create opportunities to contribute to the course as it moves online.
- Students can create and publish their own learning ePortfolios with **MERLOT Content Builder**. Use **video tutorials** so they can learn to use the tool and let them explore an **example of a student’s learning ePortfolio** that has already been created and published on the web.

When you adopt any of these activities, you would be practicing “**Open pedagogy** -the practice of engaging with students as creators of information rather than simply consumers of it” ([ref](#)).

## Student Leaders Becoming OER Advocates

BCcampus Open Education has published guide for your student leaders to support your campus’ OER - Affordable Learning program. The downloadable guide, **OER Student Toolkit**, is an excellent means to help your student leaders help your students and faculty adopt OER as they move to online learning.

## Supporting Mentoring and Apprenticeships Online

Face-to-face learning is essential for learners in apprenticeship programs and mentors face-to-face teaching is essential for successful learning. There are many ways that online learning and teaching can augment and complement work-based learning.

# Career & Technical Education

## Looking For Free Online Workforce Training Materials?

**RESPONDING TO COVID19 NEEDS:** Healthcare training resources on hygiene, infection control, and safety will continue to be critical to ensure all the stores, restaurants, cruise ships, healthcare offices, and the workplace. SkillsCommons has highlighted free and open training materials in these areas that you wish to support your workplace training needs.

- [Hygiene](#)
- [Workplace Safety](#)
- [Infection Control](#)

## Online Teaching Resources by Hands-on Industries

Welding	Machining	Plumbing
<a href="#">Safety for Welders</a>	<a href="#">Machine Tool Theory</a>	<a href="#">Installing</a>
<a href="#">Shielded Metal Arc Welding Prep</a>	<a href="#">CNC Milling Machine Videos</a>	<a href="#">Electronics</a>
<a href="#">Gas Metal Arc Welding Prep</a>	<a href="#">Lathe Videos</a>	<a href="#">Installing</a>
<a href="#">Flux Cored Arc Welding</a>	<a href="#">Surface Grinder Videos</a>	<a href="#">Energy Services</a>
	<a href="#">Edge Finder/Tramming a Head/Squaring a</a>	<a href="#">Design, (</a>
	<a href="#">Vise Videos</a>	

Automotive	Construction/Woodworking/Carpentry	Culinary
<a href="#">Introduction to Automotive Maintenance</a>	<a href="#">Sustainable Design and Construction</a>	<a href="#">Value-Added</a>
<a href="#">Electric Vehicle Technology Certificate Program</a>	<a href="#">Energy Modeling of Buildings</a>	<a href="#">Local Food</a>
<a href="#">Entry Level Tech Engine Components &amp; Theory</a>	<a href="#">Revised Construction Core Course</a>	<a href="#">Culinary</a>

## Free and Affordable Learning Resources

Work-based learners and students in CTE programs need learning resources that are affordable (even FREE), aligned with industry needs, and connected with their prospective careers.

### [Affordable Learning Solutions from SkillsCommons](#)

SkillsCommons provides a FREE and open library of training materials, virtual labs, and general education materials that you can give your students to help them learn.

### [Career and Technical Education Course Showcase](#)

Explore the collection of Free online course curriculum organized by Standard Occupational Classification (SOC) codes, highlighted health care and facilities management resources to support responses to COVID19, and complete online certificate programs in various industry sectors.

## Helping Industry Experts Become Better Instructors Online

Industry experts in healthcare and facilities management have the extensive content expertise that will be critical in training a large workforce in techniques to lower the risks of a contagion in hotels, cruise ships, restaurants, stores, and more. A significant challenge for workforce development is that the industry experts can benefit from guidance on being an effective instructor.

SkillsCommons offers three, FREE, self-paced, online mini-courses with the first course providing thirteen (13) 20-30 minute interactive modules to help jumpstart industry expertise as effective instructors. Whether you are teaching face-to-face or online, these guidelines can help you teach your students and help learners acquire the skills that are critical for today's workforce.

### [Overview of Jumpstart to Successful Instruction \(IE2EI\)](#)

- [IE2EI 101: The Basics on Becoming a Good Instructor](#)
- [IE2EI 102: Diving Deeper to Become a Better Instructor](#)
- [IE2EI: 103: Refining Your Teaching Skills](#)

## Supporting Women in Sustainable Employment

The [WISE \(Women in Sustainable Employment\) Pathways](#) is a career exploration course designed for women to explore non-traditional, in-demand jobs in the energy / utilities, construction, manufacturing, public safety, information technology and

# Custom Portal for Georgia

## Preparing Teachers & Students for Online Learning



In response to the recent developments due to **COVID19**, **Technical College System of Georgia** has partnered with [SkillsCommons](#) and [MERLOT](#) to create this FREE online resource to help both Teachers and Students prepare to start teaching and learning online.

### Free Teaching and Learning Online Materials

Teaching Online



Learning Online



Career/Technical Ed Resources



# Custom Portal for Wisconsin



## Preparing Teachers & Students for Online Learning



In response to the recent developments due to **COVID19**, **Madison Area Technical College** has partnered with [SkillsCommons](#) and [MERLOT](#) to create this FREE online resource to help both Teachers and Students prepare to start teaching and learning online.

### Free Teaching and Learning Online Materials

Teaching Online



Learning Online



Career/Technical Ed Resources



# Our Partnerships and Support



HOME ABOUT PRODUCTS SERVICES BLOG CONTACT

## WORKFORCE DEVELOPMENT PARTNERSHIPS

*SkillsCommons: The Leader in Workforce Development Open Educational Resources*  
 Hosting the World's Largest Workforce Development Open Educational Resources (OER) Repository

SKILLSCOMMONS.ORG



## WHAT WE DO PRODUCTS & SERVICES



### OER Repositories and Portals

Working hand-in-hand with our clients, we create customized repositories and portals and provide design, development, and maintenance services throughout the full process. Choose from a number of available options for ...



### Textbook Affordability Programs

We boast 20+ years of experience in offering tools and services that enable your institution to customize our proven textbook affordability program. Discover how to quickly reduce the costs of ...



### Apprenticeship and WBL Resource Centers

Providing cost-effective technology, ready-to-use tools, and customized program services to support your apprenticeship program development and implementation. Let us assist your efforts in sector partnership development and creating customized apprenticeship ...



### e-Academy Training Centers

Supporting industry experts and general education instructors new to the classroom is critical. To increase student retention and decrease instructor attrition, new and seasoned instructors and trainers need evidenced based, ...



# Ohio Manufacturing Assoc.

SKILLS  
COMMONS



FREE ONLINE TRAINING AND PROFESSIONAL DEVELOPMENT RESOURCES FOR MANUFACTURING

[OMA Homepage](#) | [About OMA and SkillsCommons](#)

## FREE and OPEN Manufacturing Resources in SkillsCommons

There is no more pressing issue among Ohio manufacturers than recruiting, retaining and training workers for short term success and long-term sustainability.

The Ohio Manufacturers' Association (OMA) has partnered with California State University, SkillsCommons to provide easy access to high-quality FREE and OPEN training resources for Ohio manufacturers and their workforce partners! The unique partnership with SKILLS COMMONS supports OMA's mission to protect and grow Ohio manufacturing.

[About OMA and SkillsCommons](#)

### Featured Resource: Help Your SMEs Become Excellent Instructors!



#### Supporting Industry Experts as Trainers and Classroom Instructors

SkillsCommons has created this FREE and OPEN online mini-course to provide professional development to industry experts, helping them establish a successful learning environment and develop teaching techniques that engage learners. There are 13 self-paced modules (10-25 minutes each).

### Career Video: Welders



[More Manufacturing Career Videos at Career One Stop](#)

## Workforce Training Materials by Occupation

Explore the FREE and OPEN library of materials for each occupation:



[Engineering](#)



[Industrial Maintenance](#)



[Machining](#)



[Production Assembly](#)



[Welding](#)

[Soft Skills and Work-Based Learning Resources](#)

# OMA.skillscommons.org

- Custom collection
- Custom branding

### FREE and OPEN Technology Resources In SkillsCommons

The [NH Tech Alliance](#) has partnered with [SkillsCommons](#) to provide easy access to high-quality FREE and OPEN training resources for New Hampshire tech professionals and their workforce partners. This unique partnership with SkillsCommons supports the NH Tech Alliance commitment to nurture a vibrant tech ecosystem in NH by building partnerships, enhancing knowledge and shaping public policy.

### Preparing Teachers and Students for Online Learning



In response to the recent developments due to COVID19, [NH Tech Alliance](#), [SkillsCommons](#) and [MERLOT](#) created this FREE online resource to help both Teachers and Students prepare to start teaching and learning online.

[Free Teaching and Learning Online Resources](#)

### Featured Course

[Jumpstart to Successful Instruction Course](#)



### Featured Tech Program

[Cyber Technology Program](#)



### Featured Career Video

[Telecommunications Engineering Career Video](#)



# Affordable Learning Solutions

**SKILLS COMMONS**  
open for learning

SKILLS  
COMMONS

**One-Stop-Shop  
for free online  
learning  
materials**

HOME FIND GENERAL EDUCATION CAREER AND TECHNICAL EDUCATION VIRTUAL LABS FACULTY SHOWCASE SHARE

Welcome to SkillsCommons Affordable Learning Solutions



## SkillsCommons Affordable Learning Solutions (ALS) Introduction

Gerry Hanley, CSU Assistant Vice Chancellor and Director of SkillsCommons explains how the cost of courses often exceed the cost of tuition for those courses. Using SkillsCommons Affordable Learning Solutions website, institutions and students find free e-textbooks and other digital learning materials for their courses and instructors.

**als.skillscommons.org**



FIND



SHOWCASES



ACCESSIBILITY

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[@MERLOTorg](http://bit.ly/merlot-twitter)



[www.linkedin.com/company/6650163](http://www.linkedin.com/company/6650163)

[bit.ly/merlot-linkedin](http://bit.ly/merlot-linkedin)

## Tweet Today's Session

# Let's Talk!



Gerry Hanley, Ph.D.  
Director, CSULB Center for Usability in Design  
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Executive Director, MERLOT & SkillsCommons  
Professor Emeritus of Psychology  
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**THANK YOU**

**Questions?**

# FUN FACTS



- Currently has over 65,000 downloadable files organized as 16,500 cataloged resources
- Current download rate is about 200,000 downloads per quarter
- Already surpassed 2,900,000 downloads since collection opened
- Every country and territory in the world (230) have had visitors to SkillsCommons.
- 26 Teaching-Learning Online OER Portals remixed and revised
- 12 institutions adopting customized Affordable Learning Solutions
- 2 Industry sector adopted our Workforce Training Portal
- 1 Higher education system has adopted and customized our OER repository services (Colorado Community College System)
- 1 Higher education institution has adopted our apprenticeship services (DoL grant) (Lorrain Community College)

# Poll Question #4

**Have you learned something that will help you immediate in your teaching?**

- a. Yes
- b. No

# Poll Question #5

**Would you like a more extended virtual workshop on using SkillsCommons?**

- a. Yes
- b. No

# Upcoming Webinars

October 29, 1:00 p.m. CDT

**5 Books in 4 Years – How Do We Do It?!**

<http://mhec.org/events>

# Questions



Submit  
questions in  
the questions  
box.

# Contact



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# Additional Information

<https://www.mhec.org/oer>

**Thank you!**