

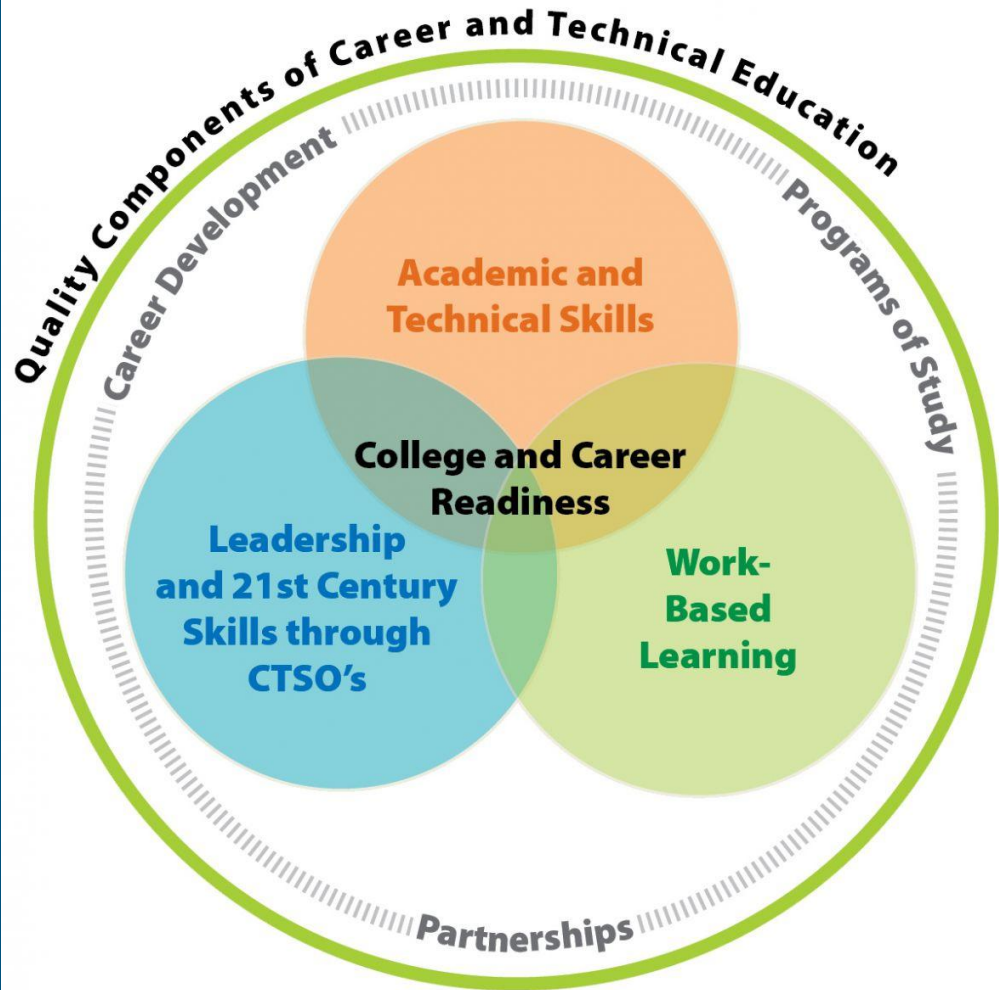


College & Career Night

Career and Technical Education



What is CTE?



CTE programs prepare students for college and careers:¹

The top 3 benefits and experiences that students report gaining in their CTE classes are:

1



SKILLS to
help them get
jobs in the
future

2



**REAL-WORLD
EXAMPLES**
to help them understand
academic classes

3



The chance to work
as **PART OF
A TEAM**



More than **85** percent of CTE
students are planning to continue
on to postsecondary education.

6

in 10 students
are planning to pursue a career related to the
CTE area they are exploring in high school.



Almost **1/3** of CTE students
have the opportunity to earn college
credit and/or an industry certification
through CTE.

¹ Source: myCollegeOptions.org / ACTE Cooperative Research Program (2015)

CTE Benefits

CTE students earn industry certifications and licenses, postsecondary certificates, associate degrees, bachelor's degrees and higher.



CTE associate degrees can pay **\$10,000 more** per year than associate degrees in other fields – and can even pay more than bachelor's degrees – while limiting student debt.³



CTE is the answer to the nation's projected deficit of **6.5 million** skilled workers, including infrastructure, health care and manufacturing workforce shortages.⁴

**Business Management
& Administration**



**Agriculture, Food &
Natural Resources**

Finance



**CTE PREPARES THE
WORKFORCE ACROSS A
WIDE RANGE OF INDUSTRIES
AND OCCUPATIONS.**



Manufacturing



Information Technology



**Science, Technology,
Engineering &
Mathematics (STEM)**

Business Education,

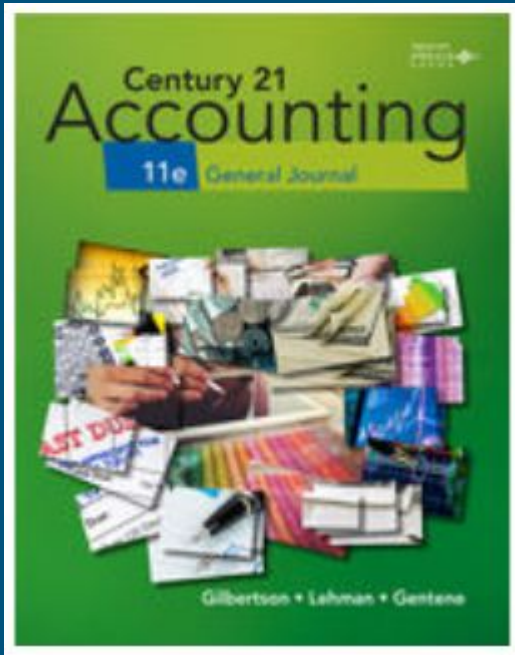
Computers,

and

Information Technology

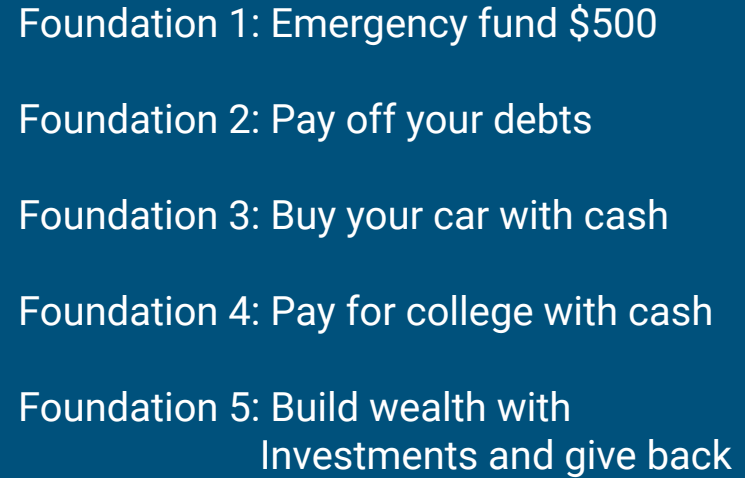
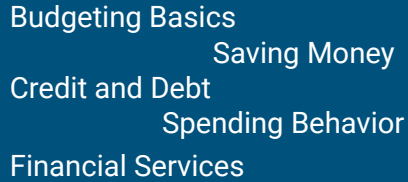


Accounting 1



Introduction to Accounting
Analyzing Transactions
The Accounting Cycle
Journalizing Transactions
Posting to a General Ledger
Cash Control Systems
WorkSheet and Adjusting Entries for a Service Business
Financial Statements for Proprietorship
Recording Closing Entries and Preparing a Post-Closing Trial Balance
Accounting for Purchases and Cash Payments
Accounting for Sales and Cash Receipts
Accounting for Transactions using a General Journal
Preparing Payroll Records
Accounting for Payroll and Payroll Taxes
Accounting for Uncollectible Accounts Receivable
Preparing Adjusting Entries and a Trial Balance
Financial Statements and Closing Entries for a Corporations
Financial Statement Analysis

Personal Finance



The screenshot shows a laptop displaying the MyICEV website for the Southwest Airlines Professional Communications Certification. The page features a blue header with the MyICEV logo and navigation links. Below the header, the certification title is prominently displayed. The main content area is titled 'Lessons' and lists various topics with corresponding icons and status indicators. On the right side, there are green buttons for 'Take' and 'Testing Options', and a sidebar with links for 'Students', 'Course Info', 'Help', and 'Course Assessments'.

MyICEV
Southwest Airlines Professional Communications Certification
Get the

Lessons

Lesson	Status	Take	Testing Options
Introduction to Professional Communications	Completed	Take	Testing Options
Professional Communication Skills	Completed	Take	Testing Options
Effective Communication Strategies	Completed	Take	Testing Options
Communication Ethics	Completed	Take	Testing Options
Effective Communication Skills	Completed	Take	Testing Options
Effective Communication Skills	Completed	Take	Testing Options
Effective Communication Skills	Completed	Take	Testing Options
Effective Communication Skills	Completed	Take	Testing Options

Students
Course Info
Help
Course Assessments

- Computers
 - Hardware & Software
- Google Suites: Docs, Sheets, & Slides
 - Keyboarding
- Network+
 - Cyber Security
- Digital Citizenship & Footprint

Other courses:

- ● Accounting 2
 - Business Law and Ethics
- Business Finance
 - Business Finance 2
- Economics (Micro and Macro economics)

Certifications:

NOCTI Accounting Foundations

NOCTI Accounting Basic

NOCTI Accounting Advance

NOCTI General Management

Southwest Airlines Professional Communications Certification

Microsoft Word, Excel, Access, and Outlook Specialist

FBLA



What can FBLA do for you?



- Leadership Development**
 - Confidence Builder
- Competition**
 - Regional Level
 - State Level
 - National Level
- Opportunities**
 - Establish Career Goals
 - Travel
 - Earn Scholarships and \$\$\$
 - And much more!!!



Agriculture

Courses Offered



General

- Food Science & Safety
- Applications of Agricultural Sciences
- Senior Agriculture
- Supervised Agricultural Experience

Environmental Science

- Natural Resource Management
- Wildlife Management
- Forestry

Animal Science

- Large Animal Science
- Small Animal Care & Medicine
- Livestock Care & Management

Plant Science

- Horticulture

Ag Mechanics

- Small Gas Engines
- Building Trades

Certifications



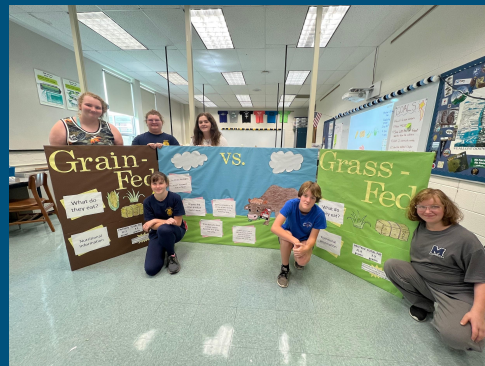
“In 2018, the (participation) rate was 87.7 percent for workers who had such credentials, compared with 57.8 percent for those without them.” - US Bureau of Labor Statistics



“Industry certification has been proven to increase earner’s salaries, some as high as 20 to 40 percent.” - iCEV

FFA

Learning to Do, Doing to Learn, Earning to Live, Living to Serve.



Engineering



Courses Offered

Drafting and CAD

Power & Energy

Programming

Electronics

Manufacturing

Grade 9	Grade 10	Grade 11	Grade 12
Introduction to Engineering	Manufacturing and Industry 1	Manufacturing and Industry 2	Supervised Engineering Experience
Drafting and Modeling 1		Drafting and Modeling 2	
	Materials	Power and Energy 1	Power and Energy 2
Intro to Programming	Programming 1		Programming 2
	Electronics 1	Electronics 2	Machine Controls and Automated Systems
Applications in Engineering Design (F only)	Applications in Engineering Design (F only)	Applications in Engineering Design (F only)	Applications in Engineering Design (F only)

Certifications



Manufacturing



Science,
Technology,
Engineering, &
Mathematics



TSA Learning to Lead in a Technical World



TECHNOLOGY STUDENT ASSOCIATION®

The Daily Item - 10/28/2023

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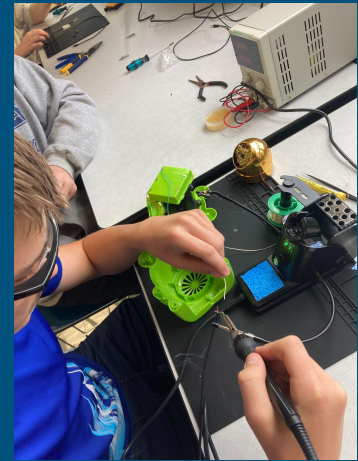
CSIU, class adapt toys for students with disabilities



A class from Columbia Montour Vo-Tech spent Friday adapting toys for students with disabilities.

Rick Dardes/The Daily Item

Students act as toy testers for Vo Tech project



Resources

Redefining the Goal for Student Success: https://youtu.be/qh_Hf-8GDML

Success in the New Economy: <https://youtu.be/bauDp4NdPK8>

PA FFA Association: <https://paffa.org/>

Technology Student Association: <https://tsaweb.org/tsa>

Future Business Leaders of America: <https://www.fbلا.org/about-fbla-pbl/>

PA Dept. of Education Bureau of Career and Technical Education:
[https://www.education.pa.gov/K-12/Career%20and%20Technical%20Education/
Pages/default.aspx](https://www.education.pa.gov/K-12/Career%20and%20Technical%20Education/Pages/default.aspx)