

P-CTE and Electives Catalog



The **P-CTE and Electives** curriculum catalog offers a robust catalog of career-focused digital courses for Career and Technical Education (CTE), electives, and STEM programs. These courses equip students with the relevant skills, knowledge, and industry expertise through innovative learning experiences.

The powerful instructional design delivers an exceptional learning experience for students that is engaging, innovative, and brings real-world concepts to life. They are designed to provide career specific pathways and prepare students for their future.

Courses are structured in a consistent, research-based format utilizing multiple pedagogical concepts such as Understanding by Design, Growth Mindset, and Video and Project-based learning. Through the use of these pedagogical concepts, the courses

maintain a consistent and engaging course structure that supports student-centered learning.

Courses are innovative, packed with engaging content, interactives, videos, graphics, discussion boards, activities, and projects.

The courses include Instruction, Projects, Reflections, Concept Checks, Exams, and Written Assignments. All courses have access to the text-to-speech toolbar.

The certification preparation courses (indicated with a + sign) equip students with the job-specific knowledge and skills needed to prepare for industry certification exams and future careers. Our certification courses are aligned with the direct learning objectives of the certification exams, providing both students and teachers an opportunity for strong efficacy from instruction to the exam.

The courses prep for the following exams:

Adobe Certified Professional in:
After Effects, Illustrator, InDesign,
Photoshop, Premiere Pro

Autodesk Certified User in AutoCAD

OSHA 30 Hour Construction

FAA Part 107 Remote Pilot Certificate

Child Development Associate (CDA)

Entrepreneurship & Small
Business Certificate

Healthcare Management & Information
Systems Associate Certificate

Oracle Certified Associate

LEED Green Certified Associate

Microsoft Office Specialist in: Excel Outlook
Associate, PowerPoint, Word Associate,

Cisco Certified Network Associate

Autodesk Certified User in AutoCAD

Certified Associate in Project Management

Intuit QuickBooks Certified User Online

Social Media Strategist

Swift Associate



For more information on the courses certified in
this catalog please visit

<https://tinyurl.com/azs4x6b2>

Certification Courses & Pathways

COURSES	PATHWAYS
Adobe After Effects	Adobe Certified Professional in After Effects
Adobe Illustrator Certification Course	Adobe Certified Professional in Illustrator
Adobe InDesign Certification Course	Adobe Certified Professional in InDesign
Adobe Photoshop Certification Course	Adobe Certified Professional in Photoshop
Adobe Premiere Pro Certification Course	Adobe Certified Professional in Premiere Pro
Architectural Design I	Autodesk Certified User in AutoCAD
Architectural Design II	Autodesk Certified User in AutoCAD
Building Maintenance Technology II	OSHA 30 Hour Construction
Drones: Remote Pilot	FAA Part 107 Remote Pilot Certificate
Early Childhood Education I	Child Development Associate (CDA)
Early Childhood Education II	Child Development Associate (CDA)
Entrepreneurship & Small Business	Entrepreneurship and Small Business Certificate
Healthcare Management & Information Systems	Healthcare Management & Information Systems Associate Certificate
Java SE 8 Associate	Oracle Certified Associate
LEED Green Associate	LEED Green Certified Associate
Microsoft Excel	Microsoft Office Specialist: Excel Associate
Microsoft Outlook	Microsoft Office Specialist: Outlook Associate
Microsoft PowerPoint Certification	Microsoft Office Specialist: PowerPoint Associate
Microsoft Word Certification	Microsoft Office Specialist: Word Associate
Networking	Cisco Certified Network Associate
Principles of Architecture	Autodesk Certified User in AutoCAD
Project Management	Certified Associate in Project Management
Quickbooks	Intuit QuickBooks Certified User Online
Social Media Business Marketing	Social Media Strategist
Swift App Development	Swift Associate

Middle School – High School

Grade	Subject Area	Course Name	Course Length
6-12	Elective	Career and Financial Management	S1 S2 YEAR
6-12	Elective	Career Exploration in Dentistry	S1 S2 YEAR
6-12	Elective	Career Exploration in Finance	S1 S2 YEAR
6-12	Elective	Career Exploration in Healthcare	S1 S2 YEAR
9, 10, 11, 12	Elective	Adobe After Effects +	FLEX YEAR
9, 10, 11, 12	Elective	Adobe Illustrator +	FLEX YEAR
9, 10, 11, 12	Elective	Adobe InDesign +	FLEX YEAR
9, 10, 11, 12	Elective	Adobe Photoshop +	FLEX YEAR
9, 10, 11, 12	Elective	Adobe Premiere Pro +	FLEX YEAR
9, 10, 11, 12	Elective	Aeronautics & Space Travel	YEAR
9, 10, 11, 12	Elective	Agriscience I	S1 S2
9, 10, 11, 12	Elective	Agriscience II	S1 S2
9, 10, 11, 12	Elective	Agriscience III	S1 S2
9, 10, 11, 12	Elective	Architectural Design I +	FLEX YEAR
9, 10, 11, 12	Elective	Architectural Design II +	FLEX YEAR
9, 10, 11, 12	Elective	Architectural Design III	YEAR
9, 10, 11, 12	Elective	Augmented & Virtual Reality Applications	S1 S2 YEAR
9, 10, 11, 12	Elective	Building Maintenance Technology I	YEAR
9, 10, 11, 12	Elective	Building Maintenance Technology II +	YEAR
9, 10, 11, 12	Elective	Cloud Technologies & the Internet of Things	YEAR
9, 10, 11, 12	Elective	Construction Fundamentals & Careers	YEAR
9, 10, 11, 12	Elective	Cybersecurity	YEAR

P CE P-CTE and Electives

High School continued

Grade	Subject Area	Course Name	Course Length
9, 10, 11, 12	Elective	Drones: Remote Pilot +	FLEX YEAR
9, 10, 11, 12	Elective	Early Childhood Education I +	FLEX YEAR
9, 10, 11, 12	Elective	Early Childhood Education II +	FLEX YEAR
9, 10, 11, 12	Elective	Entrepreneurship & Small Business +	FLEX YEAR
9, 10, 11, 12	Elective	Education and Teaching Advanced	YEAR
9, 10, 11, 12	Elective	Fundamentals of Bitcoin & Cryptocurrency	YEAR
9, 10, 11, 12	Elective	Fundamentals of Blockchain & Cryptography	YEAR
9, 10, 11, 12	Elective	Healthcare Management & Information Systems +	SEM
9, 10, 11, 12	Elective	Introduction to Artificial Intelligence	S1 S2
9, 10, 11, 12	Elective	Java SE 8 Associate +	FLEX YEAR
9, 10, 11, 12	Elective	LEED Green Associate +	FLEX YEAR
9, 10, 11, 12	Elective	Microsoft Excel +	FLEX YEAR
9, 10, 11, 12	Elective	Microsoft Outlook +	FLEX YEAR
9, 10, 11, 12	Elective	Microsoft PowerPoint Certification +	FLEX YEAR
9, 10, 11, 12	Elective	Microsoft Word Certification +	FLEX YEAR
9, 10, 11, 12	Elective	Networking +	YEAR
9, 10, 11, 12	Elective	Personal Finance	SEM
9, 10, 11, 12	Elective	Project Management +	FLEX YEAR
9, 10, 11, 12	Elective	Quickbooks +	YEAR
9, 10, 11, 12	Elective	Robotics: Applications & Careers	YEAR
9, 10, 11, 12	Elective	Smart Cities: Technology & Applications	YEAR

+ Certification Course

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High School continued

Grade	Subject Area	Course Name	Course Length
9, 10, 11, 12	Elective	Social Media Business Marketing +	FLEX YEAR
9, 10, 11, 12	Elective	Startups and Innovation	YEAR
9, 10, 11, 12	Elective	Swift App Development +	FLEX YEAR
9, 10, 11, 12	Elective	Teaching as a Profession	S1 S2
9, 10, 11, 12	Elective	The History of Gaming and Esports	SEM
9, 10, 11, 12	Elective	Transportation Technologies	S1 S2
9, 10, 11, 12	Elective	Wearable Technology Innovations	SEM

+ Certification Course