Department of Education & Workforce

OFFICE OF GRADUATE SUCCESS

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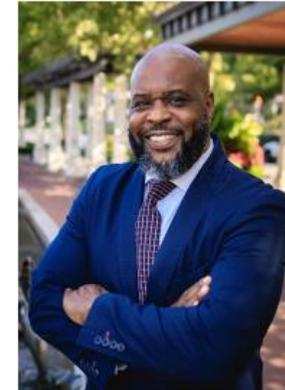Program Specialist*

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Ohio

Pathway Implementation Specialist

Help Districts create pathways:

- CCP

- Credentials

- Internships/Pre-Apprentice

- Work Based Learning
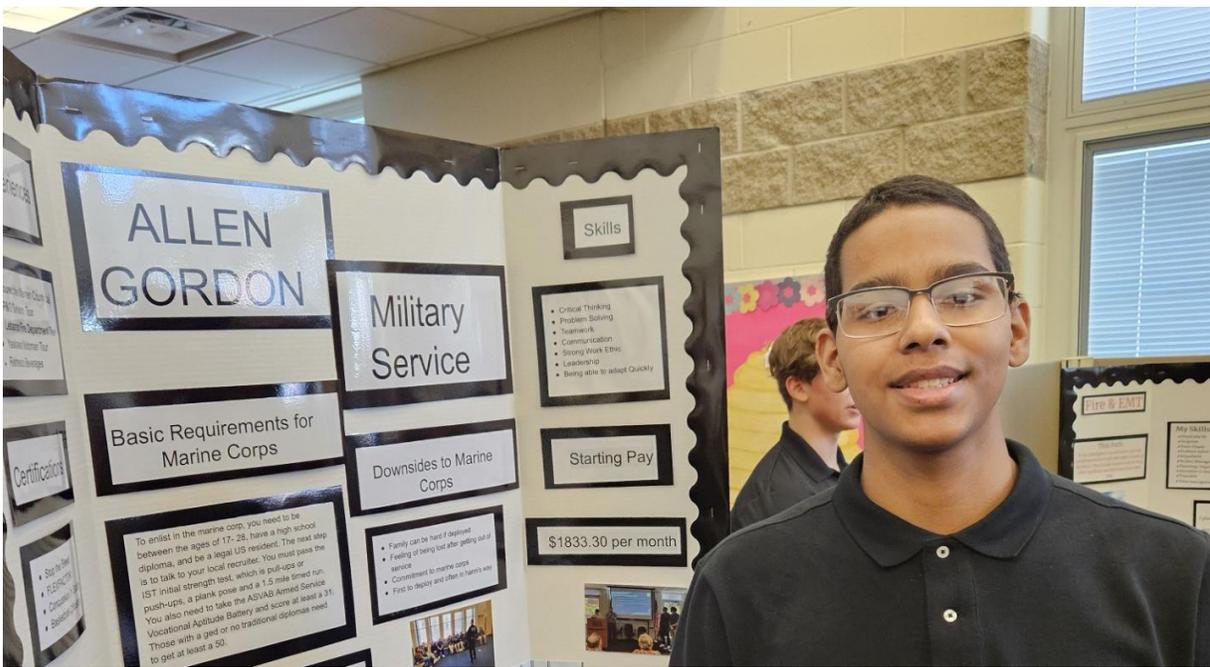
- Make them aware of resources

INTRO QUESTIONS...

- What is your position?

- On a scale of 1-5, 5 being the highest how much do you know about industry recognized credentials?

2. Demonstration of Competency

Competency on Ohio's State Tests:

Algebra I (or Integrated Math I) - 684
English Language Arts II - 684

Competency on Ohio's AASCD:

Mathematics – Basic (489)
English language arts – Basic (485)

Competency Alternatives

College Credit Plus

Military Enlistment

Career Readiness

ACT or SAT Remediation Free Score

Competency Alternative: Career Readiness

Complete 2 demonstrations to show competency, at least 1 must be a foundational option

Foundational Demonstration

- Cumulative score of proficient or higher on 3 or more WebXams in single career pathway

- Earn a 12-pt. approved industry-recognized credential or group of credentials totaling 12 pt. in one career field

- Earn a State issued license in a vocation that requires an examination

- Pre-apprenticeship or apprenticeship program
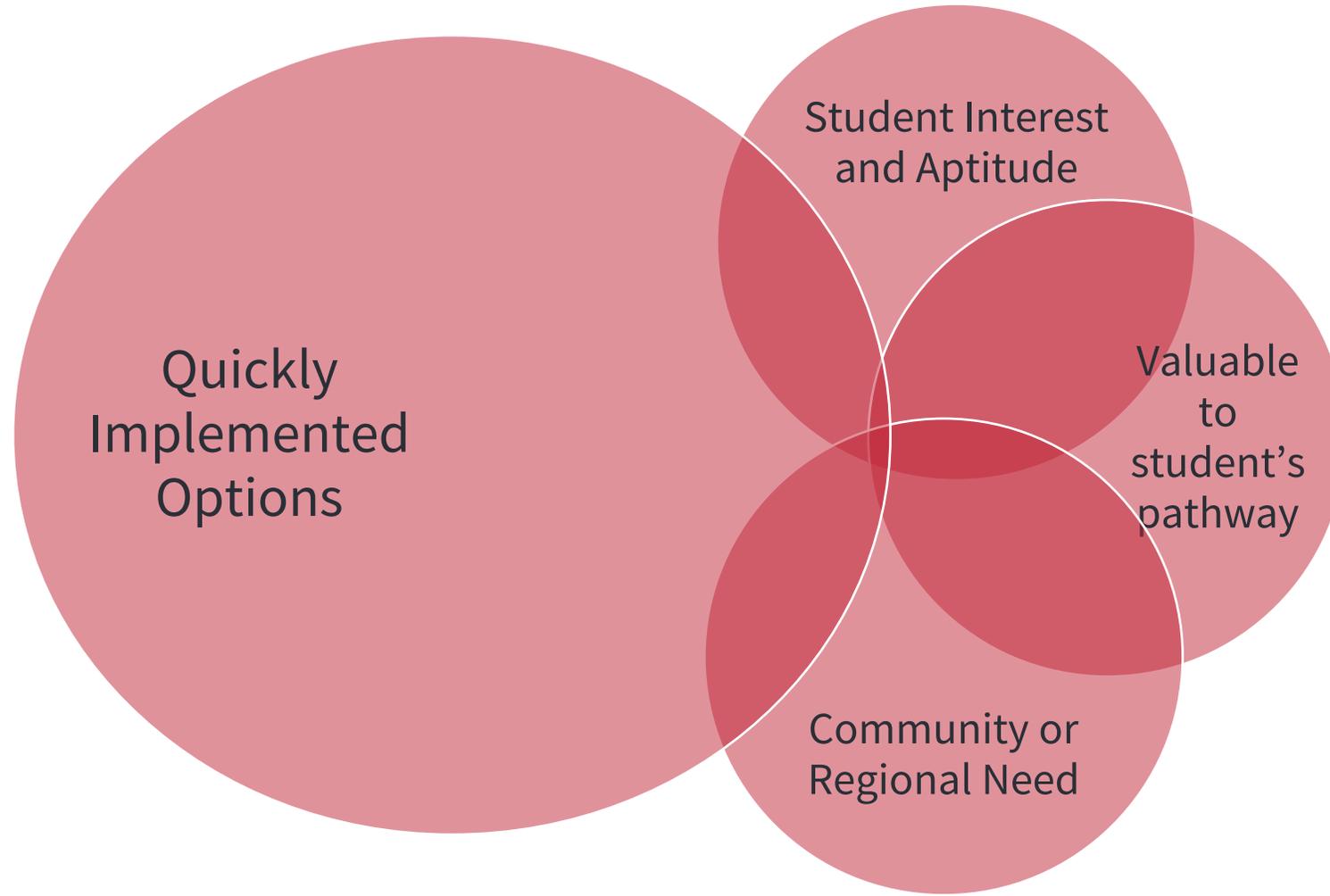 - Registered with Ohio State Apprenticeship Council

Supporting Demonstration

- Complete 250-hours Work-based Learning

- Earn workforce readiness score on WorkKeys

- Earn the OhioMeansJobs Readiness Seal

PATHWAYS TO GRADUATION

Quickly Implemented Options

Student Interest and Aptitude

Valuable to student's pathway

Community or Regional Need

INDUSTRY-RECOGNIZED CREDENTIALS

➢ An industry-recognized credential is a verification of an individual's qualification or competence.

➢ A third party with authority issues a credential.

➢ Industry-recognized credentials are valued in the labor market and are a validation of knowledge and skill.

➢ They can take many forms, including certifications, certificates, and licenses.

BENEFITS OF INDUSTRY-RECOGNIZED CREDENTIALS

➢ Provide transition beyond high school

➢ Incentive funding for credentials aligned to in-demand jobs

➢ Reimbursement for examination cost of earned credentials

➢ Pathway to graduation and employment opportunities

➢ Provide a platform to make learning relevant

Credentialing Pathway Toolkits

- Credentials for all, not just for graduation purposes.

- Lead to real employment after graduation.

- Has been implemented in traditional High Schools.

- Linked to many In-Demand occupations.

- This is just the beginning!

Ohio | Department of Education & Workforce

Plug and Play: Graphic Design Pathway Toolkit

To help connect students with career-focused learning and experiences, the Ohio Department of Education and Workforce has created credentialing pathways that can be implemented within traditional schools. The Arts and Communication credentialing pathway provides an opportunity for students to prepare themselves for a career after graduation by offering the student hands-on experience, industry knowledge and training, while also meeting graduation requirements along the way. The information in the toolkit provides schools with the specific pathway, resources of how to implement the pathway, and connection to experts in the field for Arts and Communication credentials.

Graphic Design Pathway:
Credential Name - Point Value - (EMIS Code)

- Adobe Certified Professional- InDesign - 4 points - (CA56)
- Adobe Certified Professional- Illustrator - 4 points - (CA54)
- Adobe Certified Professional- Photoshop - 4 points - (CA58)

How to Earn:
Students can begin working toward earning these credentials as early as middle school. Courses can be taken independently online, or in a classroom setting. These credentials could be imbedded into Art or graphic classes. Each course is designed to be completed in approximately 20 hours. The Adobe credentialing exams are administered through Certiport. Students who are unsuccessful in passing the credential assessment are allowed a retake.

Jobs and Wages:
After obtaining any of the credentials, students will receive a Digital Badge which will include a list of related jobs available in their area. This will also include the wages associated with those jobs. An entry level Graphic Designer in Ohio can earn approximately $42,000 a year.

Material, Staffing Needs, and Cost:
A school or district must have Adobe software installed on computers for students to take these credentialing exams. Seat license packages are available to schools and districts through Certiport. Teachers do not need to be certified to proctor the exams. They can earn the credential if they wish. Certiport offers curriculum, practice tests, and more. Contact Certiport and find what package best suits your students' needs.

- Schools can register as a Certiport testing center free of charge.
- Ten seat license-can reassign code: $785 and cost of test. (approximate cost)

Teachers can also receive outside training from agencies such as the PAST Foundation.

Credential Funding Option:
Reimbursement is available through EMIS for the cost of the test when student passes credentialing exam – please visit the webpage for more details.

Best Practices (Schools):
This pathway has been successfully implemented into a graphics design pathway by districts such as Dublin. Please reach out to Lori Mesi mesi_lori@dublinschools.net with questions.

Department of Education & Workforce

Plug and Play: Entrepreneurship Pathway Toolkit

To help connect students with career-focused learning and experience, the Ohio Department of Education and Workforce has created credentialing pathways that can be implemented within traditional schools. The Entrepreneurship credentialing pathway provides an opportunity for students to prepare themselves for a career after graduation by offering the student hands-on experience, industry knowledge and training, while also meeting graduation requirements along the way.

Entrepreneurship Credential Pathway
Credential Name - Point Value - (EMIS Code)

- Entrepreneurship and Small Business Certification: - 3 points - (CG57)
- Six Sigma Yellow Belt: - 3 points - (CP29)
- Google Ads: - 3 points - (CJ80)
- Lead4Change Student Leadership Program: - 3 points - (CQ27)

** Some districts have also utilized the Six Sigma Green Belt which is 6 credits and does qualify as an IWIP credential.

How To Earn: Students can begin working toward earning these credentials as early as middle school. Courses can be taken independently online, or in a classroom setting. None of these courses require a teacher to be credentialed, however you may need to work with multiple vendors to complete the 12 hours. Train the trainer models may be used.

Teachers can also receive outside training from agencies such as the PAST Foundation.

Jobs and Wages: After obtaining the Entrepreneurship and Small Business Certification, students will receive a Digital Badge which will include a list of related jobs available in their area. This will also include the wages associated with those jobs.

Implementation Needs
- **Entrepreneurship and Small Business Certification:** ESB course and exam range from $80-225, and exams are administered through Certiport.
- **Six Sigma Yellow Belt:** Course is completed online, self-paced or within a classroom setting. Not required to have a course or exam administrator, but often embedded into other courses.
- **Google Ads:** Learn at your own pace and get Google Product certified. There is no cost for students earning a Google Product certification.
- **Lead4Change Student Leadership Program:** To start, schools will register for the Lead4Change program, once registered Lead4Change will contact the school to begin working on integrating the program. The program is project-based where students will work as part of a team to develop their project. Must have a minimum of three students to complete. Can also be used as an after-school club.

Credential Funding Option: Reimbursement is available through EMIS for the cost of the test when student passes credentialing exam – please visit the webpage for more details.

Best Practices (Schools): Many districts have successfully used business credentials in a career exploration setting or in a leadership setting to work on other business skills such as resume writing, job interviews, job shadows, etc. Please reach out to our Pathways Implementation Specialist, Dennis Haft Dennis.Haft@education.ohio.gov.

Ohio Department of Education & Workforce

Plug and Play: Manufacturing Toolkit

To help connect students with career-focused learning and experiences, the Ohio Department of Education and Workforce has created credentialing pathways that can be implemented within traditional schools. The Manufacturing credentialing pathway provides an opportunity for students to prepare themselves for a career after graduation by offering the student hands-on experience, industry knowledge and training, while also meeting graduation requirements along the way. The information in the toolkit provides schools with the specific pathway, resources of how to implement the pathway, and connection to experts in the field for Manufacturing credentials.

Manufacturing Pathway:
Credential Name - Point Value - (EMIS Code)

- [Certified Industry 4.0 Associates I: Basic Operations](): - 3 credits - CQ 83
- [Certified Industry 4.0 Associates II: Advanced Operations](): 3 credits - CQ 84
- [Certified Industry 4.0 Associates III: Robot Systems Operations](): 3 credits - CQ 85
- [Certified Industry 4.0 Associates IV: Network and Data Analysis](): 3 credits - CQ 86

** There are micro credentials that are also embedded into each class that can also allow students to earn 12 points.

How to Earn: Courses are a mixture of online and hands-on training. Materials must be purchased to complete these credentials.

Jobs and Wages: These credentials have been identified as being EV hirable credentials that could lead to employment in the many new electric vehicle fields that are being created in the state.

Material, Staffing Needs, and Cost: Educators do not need to be certified to teach this course; however, training is available and recommended. Training is completed on-site or at an authorized training center. Material costs for equipment are estimated around $250,000.

Credential Reimbursement Option: Reimbursement is available through EMIS for the cost of the test when student passes credentialing exam – please [visit the webpage for more details]().

Best Practices (Schools): Schools that have successfully implemented these pathways include Southwest Schools and Brookfield Local Schools.

Tips For Credentialing

- See What courses can have credentials embedded into them

- Start slow, don't expect to recreate your class schedule in one year

- Talk to your local industries and see what pathways are most in need

- Make it a goal for all students to earn a credential

- Credentials can start as early as 9th grade (yes, some have expiration dates, but still counts)

- Have your Middle School begin with Micro-credentials

- Partner with your Lead Career District

THE
PAST FOUNDATION

Ohio Workforce Development - PAST Foundation Fellowship

We are a hub for **innovation**
Ohio Workforce Development Industry Recognized Credentials are the Future of Work!

The PAST Foundation in partnership with the Ohio State Legislature is offering a series of Workforce Developme Opportunities for Ohio Educators. This fellowship aims to provide educators with the tools, comfort, and competence to guide students in exploring new industries, with the potential to earn valuable credentials.

NOTES ON PARTICIPATION

- **Who:** Open to all 7-12 Educators in Ohio
- **What:**
    - Phase 1: Asynchronous Credential Coursework & Certification Exam
    - Phase 2: Collaborative curriculum development (3 synchronous meetings)
    - Phase 3: Student program implementation (formal or informal with 15 + students)
- **Participants Receive:** Industry Certification/Exam, Curriculum, Support, CEUs, and Teacher Gift

PATHWAYS CURRENTLY AVAILABLE

All start dates indicate the kickoff date, but teachers can enroll beyond that date no later than June 1, 2024.

Entrepreneurship & Small Business	CompTIA Fundamentals	CompTIA Project +	CompTIA A +
2/20 - 6/30	Contact for more info	Contact for more info	Contact for more info

Leadership Excellence *	Drone Flight (FAA Part 107)	Lean 6 Sigma *	Adobe
3/5 - 6/30	2/21 - 6/30	2/20 - 6/30	2/12 - 6/30

*Both Leadership Excellence and Lean 6 Sigma can be assessed through a final project in lieu of an exam, and they are listed by ODE as approved credentials in every single career field!

Register Here!

embold

Leadership Excellence

100% Self-Paced eLearning
~ 8 Hours of Online Content

Credential Requirements:
75%+ on 20 Online Quizzes (repeatable)

Embold Verifies Successful Completion/Comprehension

Hybrid Model*
~ 4 Hours of Online Content + Instructor-Led Training (utilizing Embold content)

Credential Requirements:
75%+ on 10 Online Quizzes (repeatable) + Knowledge Demonstration via Project

Students must present evidence of their comprehension regarding 5 leadership areas, according to designated criteria. This can be in the form of an essay, video, presentation, poster, etc. - with teacher discretion.

Teacher of Record Verifies Successful Completion/Comprehension

100% Instructor-Led Training*
(utilizing Embold content)

Credential Requirements:
Knowledge Demonstration via Project

Students must present evidence of their comprehension regarding 5 leadership areas, according to designated criteria. This can be in the form of an essay, video, presentation, poster, etc. - with teacher discretion.

Teacher of Record Verifies Successful Completion/Comprehension

Lean Six Sigma Yellow Belt

100% Self-Paced eLearning
~ 20 Hours of Online Content

Credential Requirements:
70%+ on End-of-Course Online Exam (open book, no time limit, repeatable)

Embold Verifies Successful Completion/Comprehension

* Note: The Teacher of Record is required to successfully complete the course (or receive certified "train-the-trainer" instruction) prior to teaching content. Per ODE specifications, the proof-of-instruction must be on file with the school. Free instructor training is available.

Hybrid Model*
~ 10 Hours of Online Content + Instructor-Led Training (utilizing Embold content)

Credential Requirements:
70%+ on 8 Online Quizzes (repeatable) + Knowledge Demonstration via Project

Students must present evidence of Lean Six Sigma (Yellow Belt) concepts comprehension via a process improvement project, assessed according to designated criteria. The demonstrated comprehension can be in the form of an essay, video, presentation, poster, etc. - with teacher discretion. Students should spend a minimum of 10 hours on project development and presentation.

Teacher of Record Verifies Successful Completion/Comprehension

100% Instructor-Led Training*
(utilizing Embold content)

Credential Requirements:
Knowledge Demonstration via Project

Students must present evidence of Lean Six Sigma (Yellow Belt) concepts comprehension via a process improvement project, assessed according to designated criteria. The demonstrated comprehension can be in the form of an essay, video, presentation, poster, etc. - with teacher discretion. Students should spend a minimum of 10 hours on project development and presentation.

Teacher of Record Verifies Successful Completion/Comprehension
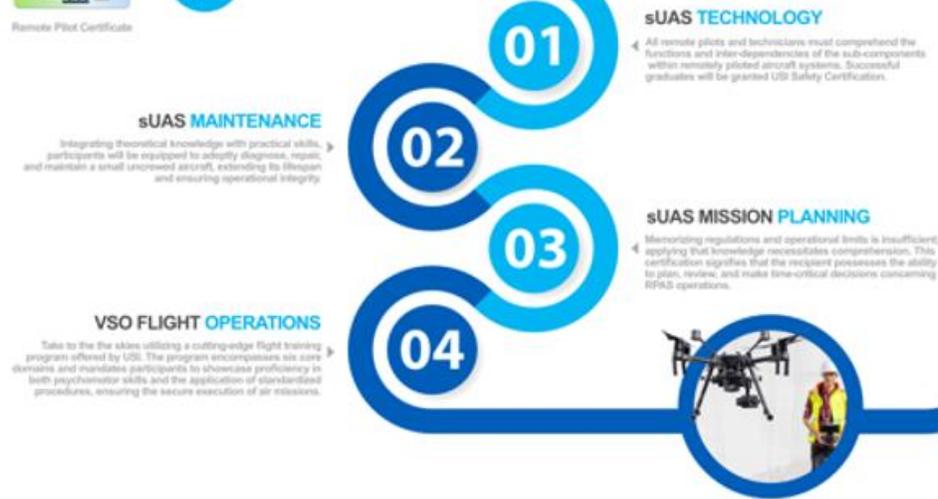
Questions? Please Contact Us...
sales@embold.org

UAS WORKFORCE DEVELOPMENT
STACK CERTIFICATIONS TO CREATE A WELL ROUNDED WORKFORCE

PRIMARY CERTIFICATIONS

Remote Pilot Certificate

01 sUAS TECHNOLOGY
All remote pilots and technicians must comprehend the functions and inter-dependencies of the sub-components within remotely piloted aircraft systems. Successful graduates will be granted USI Safety Certification.

02 sUAS MAINTENANCE
Integrating theoretical knowledge with practical skills, participants will be equipped to adeptly diagnose, repair, and maintain a small uncrewed aircraft, extending its lifespan and ensuring operational integrity.

03 sUAS MISSION PLANNING
Memorizing regulations and operational limits is insufficient; applying that knowledge necessitates comprehension. This certification signifies that the recipient possesses the ability to plan, review, and make time-critical decisions concerning RPAS operations.

04 VSO FLIGHT OPERATIONS
Take to the skies utilizing a cutting-edge flight training program offered by USI. The program encompasses six core domains and mandates participants to showcase proficiency in both psychomotor skills and the application of standardized procedures, ensuring the secure execution of air missions.

ADVANCED CERTIFICATIONS

01 CREW OPERATIONS
Human Factors and Crew Resource Management training tailored for Unmanned Aircraft Systems (UAS). Learn to optimize crew collaboration, enhance situational awareness, and manage resources effectively for safer and more efficient UAS operations.

02 RISK MANAGEMENT
Acquire the skills to establish robust safety protocols, assess risks, and effectively mitigate them in UAS operations. This training provides participants with the knowledge and strategies necessary to actively contribute to a company's safety management system.

03 ADVANCED PLANNING
Learn the intricacies of planning, logistics, and safety measures crucial for successful BVLOS missions. Equip yourself with the knowledge and techniques to ensure a seamless and secure operational environment for uncrewed aircraft.

04 ADVANCED FLIGHT OPS
Fly further an longer by utilizing a cutting-edge flight training program offered by USI. The program encompasses seven core domains and mandates participants to showcase proficiency in flight path management and the application of standardized procedures, ensuring the secure execution of air missions.

Contact

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Cell: 440-334-6922

Ohio **Department of Education & Workforce**