



**CAREER
ACADEMY
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CCRE Board Update

3/18/24

USBE CTE Course & Pathway Updates

Meetings with USBE CTE Specialists to discuss local CAU pathway options

Clarification was provided that school must use USBE CTE approved courses

We can create local pathways using USBE approved courses but will not receive CTE funding

To obtain approval for new courses and pathways, we must get a regional pathway approval; The process takes 2-3 years and involves industry & post secondary leaders

Impacts Potential New Pathways: **Oil & Gas, Biomedical, Heavy Equipment**



Biomedical USBE Course Options & Considerations

Biomedical USBE Course Options

- Biotechnology (Health Sciences Pathway)
- Biomanufacturing 1 (Manufacturing Pathway)
- Biomanufacturing 2 (Manufacturing Pathway)

Considerations

- Review USBE approved courses above to determine if these align with the vision of biomedical pathway. Upon alignment, Stride will seek out course offerings that match the USBE course descriptions.

Looking Ahead

- SY 25/26 USBE updating biotechnology options in the Health Sciences Pathway
- SY 26/27 USBE updating biomanufacturing options in the Manufacturing Pathway
- CAU can apply for a regional pathway if USBE courses do not represent the vision for a biomedical pathway

Oil & Gas USBE Course Options & Considerations

USBE Course Options

- Energy and Power Technology
- Electromechanical 1
- Electromechanical 2

Considerations

- Review USBE approved courses above to determine if these align with the vision oil & gas pathway. Upon alignment, Stride will seek out course offerings that match the USBE course descriptions.

Looking Ahead

- SY25/26 regional pathway in oil & gas being developed for school in southeast region of Utah
- SY25/26 Automated Technology course available. Content includes innerworkings of electrical, hydraulics, and pneumatics
- CAU can apply for a regional pathway if USBE courses do not represent the vision for oil & gas pathway



Advisory Council Update

Connecting Industry to Education



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Current Membership:

Carol Lindsey, cCNA

Russ Tiechert, Scintillant BioScience

Amy Acevedo, Junior Achievement

Sarah Ruiz, CAU Parent

Anecia Carstensen, CAU Student

Dr. Bonita Teasley, CAU Executive Director

Andrea Peterson, CAU Teacher

Aubrey Grossman, CAU Teacher

Meghan Griffin, CAU Operations

Kristina Vliek, Stride/K12 CCRE

Advisory Council Agenda: March 12, 2024

- Welcome & Introductions
- Overview of Advisory Council
- School Overview
- CTE Pathway Offerings
- Discussion: Priorities

Advisory Focus Area Discussion Notes

- Add membership to CTE AC in expansion career areas and post-secondary institutions
- Increase interest in pathways offered through meaningful career activities
- Develop internship and work-based learning experiences for students
- Incorporate industry certifications within pathways in 24.25
- AI integration into K-12 curriculum; discuss and navigation with families
- Leverage expertise of AC as CAU develops pathways and student engagement opportunities
 - ✓ Digital Marketing/Web Design skills as future offering
 - ✓ Integration of professional and durable skills





CTSO Spotlight



Four CAU students taking part in the Stride National CTSO Competition in a category below:

- Resume Writing
- Creative Writing

CAU SkillsUSA Focus Areas Lessons:

- Work Ethic
- Responsibility
- Professionalism
- Self-Motivation
- Communication
- Decision Making

CAU Service Project in March

- Students writing letters or cards to those in need

Career and Technical Student Organizations (CTSO) improve student learning through contextual instruction, leadership and personal development, applied learning and real-world application.

USBE Course Descriptions: Potential Biomedical Pathway

- [Biotechnology \(Health Sciences Pathway\)](#)

Biotechnology is an exploratory course designed to introduce students to methods and technologies that support bioscience research hand practice. Students are also introduced to career possibilities in the field of biotechnology.

- [Biomanufacturing 1 \(Manufacturing Pathway\)](#)

The first in a sequence of courses that prepares students by focusing on developing skills required for entry-level employment in the medical devices industry. Students will develop a foundation in essential abilities and attitudes that will in turn expand their occupational opportunities in the biomedical world.

- **Biomanufacturing 2 (Manufacturing Pathway)**

USBE Course Descriptions

Potential Oil & Gas Pathway

- [Energy and Power Technology](#)

An introductory course focused on the world of energy technology. Students will gain an understanding of how energy & power technologies impact politics, the environment, society, and the economy. Students will develop a foundation in essential abilities and attitudes that will in turn expand their occupational opportunities in the world of energy & power.

- [Electromechanical 1](#)

This course is to provide individuals an opportunity to learn foundation skills electrical technicians use in industry. It is a balance of theory and hands-on activities including the following: safety practices, math, vocabulary & terms, blueprint symbols, building circuits, proper use of tools, test equipment, parts and materials common to industry.

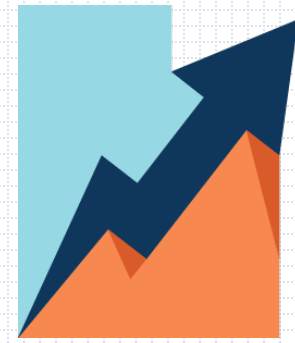
- [Electromechanical 2](#)

The course uses a hands-on approach to help students learn principles of process measurement and control with an emphasis on fluid mechanics technology. Students will become familiar with safety practices; process and measurement math, tools, devices, and materials; reading piping and instrumentation diagrams (P&IDs); and designing, building, and troubleshooting process control circuits.





Utah Regional Career Pathway



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Assurances: This agreement is in effect only when all criteria & conditions of the Career Pathways Program have been met.

- ✓ The purpose of the pathway is to lead students to high wage, high skill, and/or in-demand careers.

Region Pathway Criteria:

- A seamless transition from middle to secondary to postsecondary education with entry and exits points available.
- Pathway must include middle grade courses, exploratory courses, academic supporting courses, at least one concentrator course, and at least one completer course.
- Pathway must be region industry driven.
- Pathway must not duplicate or minimize any USBE approved pathway.
- Dual and concurrent enrollment and other credit transfer options are well defined between secondary and postsecondary partners.
- Pathway must meet minimum requirements to allow a student to complete the pathway. Secondary Pathway must be completed during grades 9-12.
- Pathway must incorporate credentialing through end of course skill or industry certification.
- Demonstrate availability of work-based learning experience aligned to the pathway.



Submission requires sign-off from industry and post-secondary partners