UC DAVIS C-STEM AND
UC RIVERSIDE EXTENSION PARTNERSHIP

PROVIDING CS CREDENTIAL COURSES FOR EDUCATORS ACROSS CALIFORNIA

Credential Authorizations in Computer Science Education

UCR Extension and UC Davis C-STEM have entered into a partnership to offer the Authorizations in Computer Science as a joint program to educators across the state — North to South!
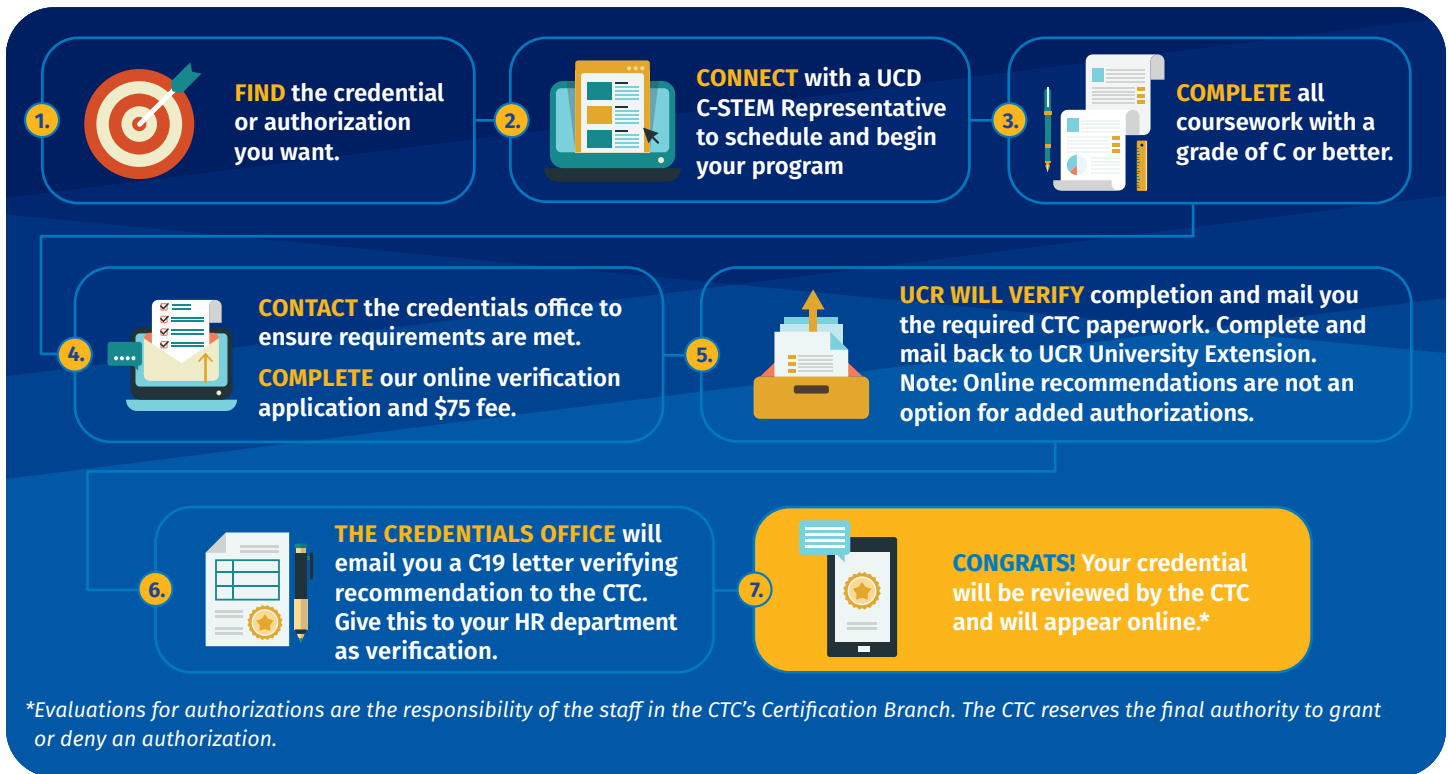
The Introductory Authorization can be issued to classroom teachers who hold a multiple subject credential for teaching in an elementary or middle school setting. The Specific Authorization can be issued to classroom teachers who hold a single subject credential and typically teach in the high school setting. Both authorizations share the same 4 core courses. However, the Specific Authorization includes one additional higher-level computer science course that is intended to strengthen the computer science content knowledge of 9-12th grade teachers.

BENEFITS OF EARNING A CREDENTIAL

- UC quality curriculum
- Professional endorsements
- Schedule flexibility
- Cohorted model of delivery at your site
- Instruction from experts on integrating CS into STEAM education

WHAT YOU'LL LEARN

How computing systems and digital devices function, and how they have contributed to various disciplines

Best practices in integrating CS into STEAM teaching

Smooth transition from blockly-based programming to text-based programming; functions, strategies, operations, and more

INTRODUCTORY SUPPLEMENTARY AUTHORIZATION

TOTAL UNITS
15

TUITION
$3,675

COMPLETION TIME
12 months

FORMAT
Online, In person, or Custom at your school site

SPECIFIC SUPPLEMENTARY AUTHORIZATION

TOTAL UNITS
19

TUITION
$4,635

COMPLETION TIME
12 months

FORMAT
Online, In person, or Custom at your school site

INCLUDES CREDIT AND CREDENTIAL FILING SERVICE

STEPS TO A CTC CREDENTIAL OR AUTHORIZATION

Follow these seven steps and you will be on your way to adding a new credential or authorization to your resume.

1. **FIND** the credential or authorization you want.

2. **CONNECT** with a UCD C-STEM Representative to schedule and begin your program

3. **COMPLETE** all coursework with a grade of C or better.

4. **CONTACT** the credentials office to ensure requirements are met.
   COMPLETE our online verification application and $75 fee.

5. **UCR WILL VERIFY** completion and mail you the required CTC paperwork. Complete and mail back to UCR University Extension. Note: Online recommendations are not an option for added authorizations.

6. **THE CREDENTIALS OFFICE** will email you a C19 letter verifying recommendation to the CTC. Give this to your HR department as verification.

7. **CONGRATS!** Your credential will be reviewed by the CTC and will appear online.*

Evaluations for authorizations are the responsibility of the staff in the CTC's Certification Branch. The CTC reserves the final authority to grant or deny an authorization.

REQUIRED COURSES

INTRODUCTORY SUPPLEMENTARY AUTHORIZATION: 15 units of required coursework with a grade of C or better.	**SPECIFIC SUPPLEMENTARY AUTHORIZATION: 19 units** of required coursework with a grade of C or better.	
		UNITS
Introduction to Teaching Computer Science CS X458.01		3
Programming and Integration of CS into STEAM Teaching CS X458.02		4
Development of Integrated CS and STEAM Curriculum with Physical Computing CS X458.03		4
Computer Programming in C CS X458.04		4
Data Structures and Software Design CS X458.05 *(for Specific Supplementary only)*		4

ARE YOU READY FOR YOUR NEXT STEP?

Teachers and District Representatives — please visit **http://c-stem.ucdavis.edu/cs** and contact **UCD C-STEM** to get started.

Professional development tailored to your school and district setting is also available. If your organization would like to host a C-STEM Professional Development workshop for STEM teachers in your area, please complete an interest form here: **http://c-stem.ucdavis.edu/contact-us/**.

*For a full list of policies and procedures, check our **website**.*