



University Extension
Professional Studies

PRIME THE NEXT GENERATION OF TECH LEADERS

Introductory Supplementary Authorization in Computer Science Education



Make your mark in STEM education through this fully online program designed to prepare you to teach a comprehensive computer science curriculum, including computational thinking, computing practice and programming, software design, data structure and algorithms.

Computer science covers a vast array of skillsets and expertise, from coding and programming to software design. It's estimated that the majority of STEM jobs in the next ten years will be in computer science, so now is the time to frontload students with the skills to give them an edge-up in the workforce. Priming the next generation for success, and equip them with lifelong skills that can be carried across a variety of industries and occupations.

Add this Supplementary Authorization to your Multiple Subjects credential. When added to a Multiple Subjects credential, it authorizes the holder to teach computer science curriculum in departmentalized classes in grades 9 and below.

WHAT YOU'LL LEARN

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

Best practices in problem solving techniques and fundamental computing concepts including decomposition, data representation and algorithms

High-level programming languages and advanced software design



TOTAL UNITS
15



TUITION
\$2,430



COMPLETION TIME
12 months



FORMAT
Online



CONNECT WITH A COACH
extension.ucr.edu/coach

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BENEFITS OF EARNING A CERTIFICATE

There are several reasons why, teaching credential in hand, you might be considering continuing your studies. An upgraded education section on your resume can open the door to a new career, or, if you're already working, lead to a promotion and a higher salary. While you're working, going back to school is an excellent way to stay current in rapidly changing fields, or, if you've been away from the workforce for a while, to quickly get caught up in the latest trends, concepts, and advances.

While there are as many paths to follow, as there are reasons to follow them when approaching continuing education, there is enormous value in terms of time, financial investment, and personal flexibility while gaining practical training from working professionals in your industry that extends beyond the theory of the classroom and into the real world.

KEY BENEFITS INCLUDE:

- UC quality curriculum
- Professional endorsements
- Schedule flexibility
- Variety of courses and programs
- Instruction from professional leaders in the industry

PAY AS YOU GO



Pay per individual course as you register.

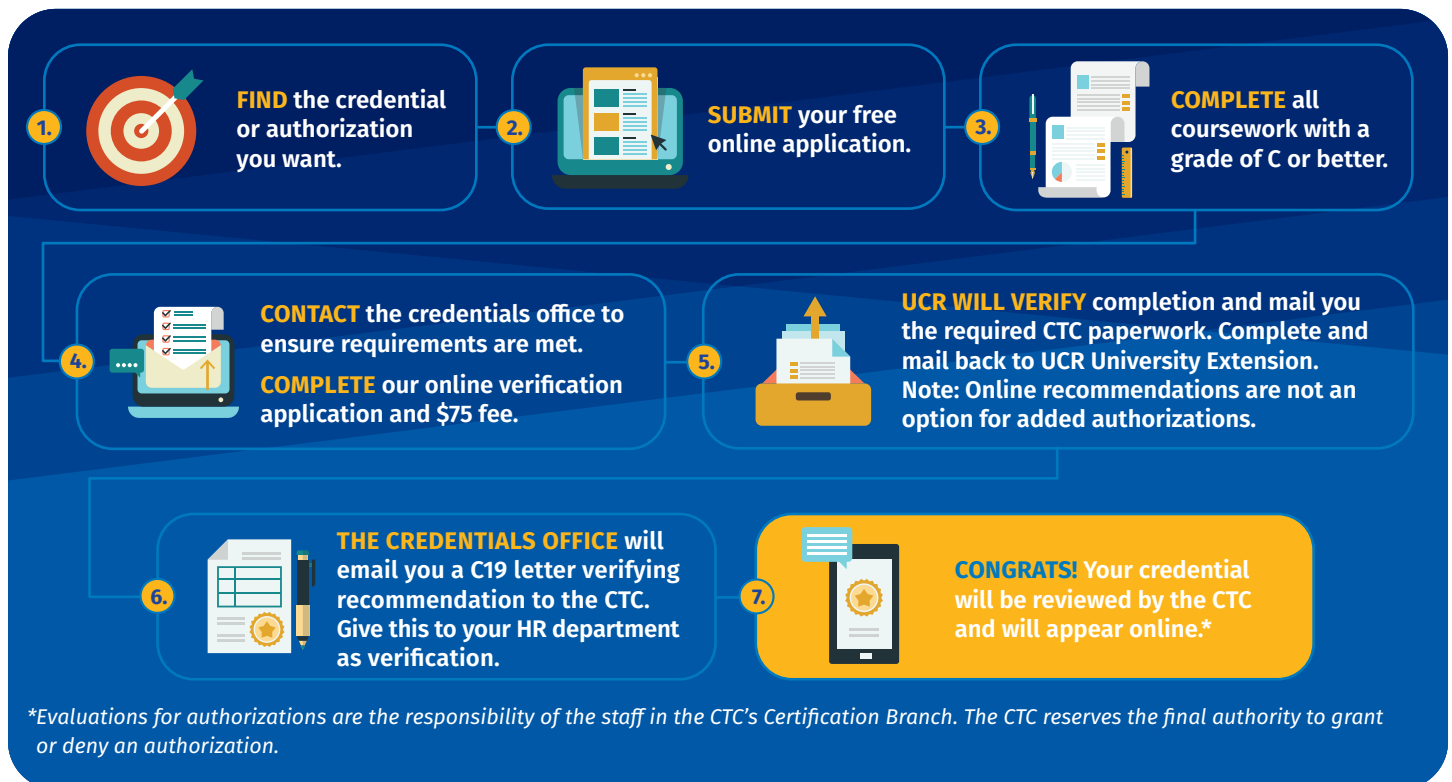
AVERAGE COURSE TUITION

\$595-645 PER (4 UNIT) COURSE

*Learn more about [tuition assistance](#).

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.



*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.

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STUDY PLAN

Our certificate programs are designed to be flexible, allowing you the option to take just a few courses or earn the complete certificate. If choosing to complete the certificate, we recommend you get the most out of your experience by following the suggested completion path below.

Required Courses		
QUARTER		UNITS
1	Introduction to Computational Thinking and Programming CS X458.02	4
2	Programming and Design I CS X458.03	4
3	Programming and Design II CS X458.04	4
4	Impacts of Computing and Communication Devices CS X458.01	3

ARE YOU READY FOR YOUR NEXT STEP?

Schedule an appointment with a **Student Success Coach** to get started. extension.ucr.edu/coach



*For a full list of policies and procedures, check our [website](#).