

COMPUTER SCIENCE EDUCATION CERTIFICATE

Minimum GPA: 3.0

The fully online Computer Science Education Certificate program offers teachers a coherent set of courses in preparation to teach computer science to all K-12 students, including Advanced Placement Computer Science Principles and Computer Science A. Throughout the program, there is a focus on pedagogy and content that meets the needs of all learners and supports teachers in critically examining how to reduce inequities in computer science. Each course in the certificate is aligned to the CSTA Standards for CS Teachers and the K-12 CS Standards for students.

Contact Information

education@css.edu

Learning Outcomes

Upon completion of the certificate in Computer Science Education, the student will meet the set of program outcomes within the specialized content/context:

1. Apply best practices and effective instructional strategies grounded in current education theory to promote student learning.
2. Develop cultural self-awareness and cultural fluency to work effectively with students and communities of diverse backgrounds.
3. Engage in the process of inquiry and critical thinking regarding current educational issues and practices.
4. Be able to examine and analyze data to make informed instructional student centered decisions.
5. Identify and apply 21st Century technologies and strategies to enhance student learning.
6. Gain skills to become advocates and change agents for 21st century learners.

Requirements

Students must achieve the following program requirements for all courses listed under Program Requirements and Program Required Courses for the Computer Science Education certificate.

Program Requirements

Certificate Credits: 12

Minimum GPA: 3.0

Minimum Grade: C

Program Required Courses

Code	Title	Credits
EDU 6710	Computational Thinking and Standards	3
EDU 6720	Computer Science Principles	3
EDU 6730	Programming and Teaching Java	3
EDU 6740	Inclusive Computer Science Methods	3

Total Credits 12

Degree Requirements

To graduate from The College of St. Scholastica, graduate students must meet the following minimum degree requirements.