You should apply if you are a Delaware Valley K-12 teacher and plan to:

- Teach the CSP AP course
- Infuse computational thinking into a math, science, or other courses

Partner4CS @ UNIVERSITY OF DELAWARE
Summer 2021 Professional Development
For teaching Computer Science in K-12

Summer 2021
Partner4CS Professional Development will:

- Model practical classroom activities to teach computational thinking in algorithms, data, abstraction, programming, and internet
- Model activities on Artificial Intelligence and Cybersecurity/Data Privacy, and their ethical implications in society
- Provide training sessions in specific technologies, including beginning and advanced Scratch and Micro:bits
- Model proven pedagogy for teaching computer science concepts, including CS Unplugged and Increasing Diversity in CS
- Build a community of learners who teach computational thinking in K-12

How it works:
June 21-24, 2021 (Mon-Thurs). Held online from 9am to 12pm
Participate in parallel sessions of choice
$25 per hour of participation

APPLY PRIOR TO MARCH 30, 2021 FOR PRIORITY AT: sites.udel.edu/partner4cs

Questions?
Email partner4cs@udel.edu
**Computer Science Principles Teacher Preparation:**
Partner4CS will provide teachers preparation for using the CSP curriculum by Code.org. Sessions will be led by experienced teachers and our Partner4CS team.

**Integrating Computer Science Into your Existing Curriculum Training:**
Participants will design and practice educational activities for introducing computational thinking in their curriculum both with and without computers. This training is for teachers in grades K-12.

**Model Teaching of CS Concepts and Skills:**
Algorithms, Programming, CS Impact, Creativity, Data representation and manipulation, Abstraction, Internet, Artificial Intelligence, Cybersecurity/Data Privacy

**Model Proven-Successful CS Pedagogy:**
Inquiry learning, CS Unplugged activities, Directed Scratch lessons that work in a diverse classroom, Pair programming model, Open-ended Scratch projects, Interactive Scratch projects, Micro:bits and more.

**Share, Reflect and Discuss:**
The Computer Science Teachers Association (CSTA) Standards, mapping to the Common CORE standards, assessing student programming projects, recruiting for diversity in computing, making CS accessible to broad audiences

*Partner4CS is a National Science Foundation project that is part of the national CS10K initiative.*