UNI / University of Northern Iowa.

Computer Science Education

Program Contacts

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Scan the QR code to fill out the interest form

UNI partners with AEAs to grow computer science education program in Iowa

In September 2022, the Computer Science Ed program at UNI (CSEd@UNI), Central Rivers and Grant Wood Area Education Agencies, and the University of Virginia were awarded a CS-ForAll:RPP scale-up grant by the National Science Foundation. This award is an expansion of CSEd@ UNI's existing Computer Science Endorsement program and will better serve teachers statewide by partnering with the AEAs to provide more local access to high quality computer science instruction. Participants will complete computer science content and pedagogy coursework through UNI, while participating in face-to-face communities of practice (CoPs) facilitated through the AEAs. These CoPs give the participants a peer support network and will aid in the development of a localized, community-based support network — something highly valued in the original grant work. Participants who complete the program will earn the state of Iowa's 5-12 CS Endorsement (#278).

The total award amount is approximately $1,000,000 between 2023 and 2025.

5-12 Computer Science Endorsement through UNI with AEA Partnership Program Information

Cohort B – June 2024-Fall 2025	
Number of Seats	180 full tuition scholarships will be awarded. ****If over 180 participants, then cost for additional seats will be available at a significantly reduced rate.*
CoP Host Locations for 2024-2025 (Communities of Practice)	**Great Prairie AEA** Seth Denney, seth.denney@gpaea.org **Heartland AEA** Tyler Hellmann, thellman@heartlandaea.org **Keystone AEA** Sherri Imoehl, simoehl@aea1.k12.ia.us **Mississippi Bend AEA** Aaron Maurer, amaurer@aea9.k12.ia.us **Prairie Lakes AEA** Torrey Proctor, tproctor@plaeaa.org *+ At least one additional AEA, which will be determined at a later point.*
Coursework Information	**Virtual Component** Courses will be a combination of synchronous and asynchronous virtual learning, depending on the course. **Endorsement Requirements** Expected Schedule of Courses: • **Foundational Concepts of Computer Science** – Summer, 2024 • **Fundamentals of Programming** – Fall, 2024 • **Teaching and Learning Programming** – Spring, 2025 • **Methods of Computer Science** – Summer, 2025 • **Data Structures and Algorithms** – Fall, 2025 Each course earns three graduate credits. **In Person Component** Participants will meet at their designated CoP location three-four times per course for four hours per session. These will occur outside of the school day and may include weekends.

+ Complete the interest form on the front of this sheet **(bit.ly/CSED_UNI_NSF23)** to be sent additional information and an application between **December 1, 2023 an January 31, 2024.**

+ View Frequently Asked Questions at **chas.uni.edu/cs/csed/aea**

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