Computer Science Endorsement

The Computer Science Teaching Endorsement program (UIUC and DPI) will begin its next cohort June 10th, 2024. This five-semester, cohort-based model program is a great way to deepen your knowledge and background in CS education. Participants completing the program will meet the Illinois State Board of Education's requirement for obtaining an endorsement in computer science.

Consider Joining Cohort Four - Summer 2024

Cohort begins - June 10th, 2024
Registration begins – April 10th, 2024

Information sessions (Flyer - Zoom):
Wednesday 4/18 at 5:00pm
Thursday 5/16 at 4:30pm

Upcoming Events
Illinois CSPD Week 2024
July 8th – July 12th,
Peoria, Il

CSTA Annual Conference
July 16th - July 19th
Las Vegas, Nevada

DPI Workshop Series (flyer)

Teacher Led Workshop
Saturday, May 25th, 2024

Questions or comments, contact Danna Dotson or Todd McFarlin
ddotson2@uillinois.edu
tmcfar1@uillinois.edu

The State of Computer Science Education In Illinois

The Illinois Workforce and Education Research Collaborative (IWERC) has unveiled the inaugural installment of its five-part "The State of Computer Science in Illinois - High Schools Series." Entitled "What is the Landscape of CS Coursework?" this initial report offers a comprehensive overview of computer science (CS) education across the state spanning the school years from 2017-18 through 2021-22. The report delves into various aspects such as enrollment trends, popular course sequences, and the demographics of students enrolled in CS classes.

Subsequent reports in this series will delve deeper into the characteristics of the CS student body, the CS teacher workforce, CS course-related outcomes,and the disparities in CS course offerings among districts statewide. Stay tuned this Spring and Summer for the release of these reports! We would be thrilled to hear your feedback on both the current report and the forthcoming ones in the series.

Furthermore, IWERC is set to launch another series focusing on post-secondary CS education this Spring. Stay updated for more details on this development. For further information on CS education in Illinois, visit their website.

DPI Summer Instructor - $4k

The Discovery Partners Institute is currently accepting applications for the Curriculum Facilitator position of the Foundations in CS & Coding Course, a self-paced course where Digital Scholars work independently through content on the Learncs.online platform and work towards building foundational skills in CS to complete a final project which demonstrates what they've learned over the summer. The Learncs.online platform serves as a substitute for lock-step, direct instruction – allowing students to work at their own pace & challenge level.

The curriculum facilitator position is responsible for the building of a safe and accountable culture of independent and co-learning through daily check-ins, whole group share outs, peer-to-peer troubleshooting, and other wraparound supports. The Curriculum Facilitator position is responsible for keeping students accountable, motivated, and empowered to learn as much as they can during the program. We also hope they feel ready to continue journeying into more complex topics after the program concludes.

The broad strokes of the position are below:
- compensation: $4,000
- program dates: June 24 through August 2 (100% in-person, downtown)
- instruction takes place on Monday-Thursday from 10:00a-12:30p, in-person

If your interest & availability aligns, we'd like to invite you to apply using this link and schedule an interview with our team! The deadline is extended to Friday, April 19th.

Feel free to reach out to Lindsey Vetvick, Associate Director for High School Programs, at lvetvick@uillinois.edu with any questions!

Computer Science SAIL for High School Students

Join Illinois Computer Science Sail! Sail is an annual event held by the University of Illinois at Urbana Champaign where high schoolers have a chance to explore their interest in the expansive field of Computer Science.

Sail is a **free** two-day event, with an
- In-person event being held on Saturday, April 13th, 2024
- Virtual event on Sunday, April 14th, 2024

Highlights of Sail include
- Learning from college student-taught classes,
- A faculty keynote speaker,
- A tour of the campus,
- A Q&A Panel with students,
- Club/involvement fair

There is also a less-structured Sail Parent Track where parents of students can attend Sail as well, with a different slate of events.

Attendees will be provided with transportation via bus, merchandise, and food. And best of all, Sail is completely **free**! Mark your calendars and sign up for the email list so you can be notified as soon as registration opens.

Additional information and registration details can be found by scanning the QR code above.

Summer Student Opportunities @ Argonne

Argonne has opened up applications for exciting and free summer camp programs, offering unique opportunities to develop coding and computational science skills for students from middle through high school.

June 24-28 - High School Freshmen and Sophomores Coding for Science Camp shows how modern scientific problems are solved through coding by developing computing skills in the Python coding language, with the guidance of scientists from the Argonne Leadership Computing Facility.

July 8-12 - 6th and 7th Grade CodeGirls@ArgonneCamp gives middle school girls with no to minimal coding experience their first glimpse into the amazing possibilities that coding offers while uncovering their hidden potential in a supportive environment.

July 15-19 - High School Juniors and Seniors Big Data Camp brings high school juniors and seniors together into a workshop environment where they will use Argonne research data and tools to build valuable skills in data science.

DPI Summer Intensives for Educators

DPI is offering a diverse selection of summer intensives focusing on Data Science, Full Stack Development, and Swift Mobile App Development (no prior experience required). These workshops accommodate both educators and students. Participants will join morning sessions alongside students to learn actively, followed by afternoon sessions exclusively for teachers to reflect on their learning and exchange best pedagogical practices. Stipends and professional development hours are available. Apply now through the provided link. (Flyer) - **Application deadline date extended to April 22nd.**

Newly Added:
One Week Intensive: Monday - Friday 8:30 am - 3:00 pm
- **Artificial Intelligence:** June 10th - June 14th

Two Week Sessions: Monday - Friday 8:30 am - 3:00 pm
- **Swift Mobile App**: June 17th - June 28th
- **Data Science**: July 8th - July 19th

Six Week Sessions: Monday - Friday 8:30 am - 3:00 pm
- **Full Stack Development**: June 10th - July 19th (cancelled)
- **Data Science**: June 24th - August 2nd
- **Swift Mobile App:** June 24th - August 2nd
- **Foundations of Computer Science & Coding:** June 24th - August 2nd

Digital Scholars Program

Digital Scholars is a free, pre-college summer program for high school students and incoming Freshmen at two and four year Illinois institutions.

Students can enroll in one of four learning tracks:
- **Foundations of Computer Science & Coding**
- **iOS App Design & Development**
- **Data Science Discovery**
- **Exploring Electrical and Computer Engineering**

Students meet and make meaningful connections with members from Chicago's dynamic tech community, participate in weekly workshops that dive into key topics and build essential skills such as communication, collaborating in teams, how to build their professional networks and other work-readiness skills.

Program Dates: June 24th through August 2nd

Applications are now open! Students can apply at:
dpi.uillinois.edu/digitalscholars-apply

Click here for more information on the Digital Scholars Program.

Connect with Discovery Partners Institute: