Teaching Computer Programming In High School

Teaching Computer Programming in High School is a workshop open to high school teachers who are interested in expanding their ability to effectively teach computer programming in high school.

Teaching Computer Programming in High School is broad enough to accommodate teachers with little or no experience to teachers already teaching in the discipline. This workshop is appropriate for any high school teacher and four Professional Learning Unit credits will be awarded to those who successfully complete the course.

Teaching Computer Programming in High School is another teacher education opportunity presented by the CyberTech ITEST Program from the College of Science and Mathematics at Kennesaw State University and underwritten by the National Science Foundation.

Course Content

The primary focus of this course is on the pedagogy of teaching computer programming at the high school level in an ever-changing yet technologically mature society. The course will include but is not limited to…

- Exploring student learning styles and teacher teaching styles in relationship to developing strategies for teaching computer programming to the high school student.

- Developing learning activities, assignments, and assessment instruments mapped to desired learning outcomes.

- Discussing how to set realistic expectations for the high school computer science student and how to articulate appropriate learning outcomes.

- Reviewing course outlines and requirements for computer related courses being taught in US high schools focusing on those in Georgia.

- Contrasting the difference between procedural and object oriented programming concepts.

- Surveying computer programming principles and concepts from the concrete to the abstract.

- Investigating basic computing platforms and architecture such as self-contained programs and n-tier architectures utilized by Internet and Web-based applications.

Registration

Seating is limited, please register early. Classes will be held on five Saturdays beginning January 12, 2008 and ending February 16, 2008. Check Schedule for campus and online dates.

$400 stipend available to the first 25 participants* registered who successfully complete workshop.

Class sessions will start promptly at 9:00 AM and end at 4:00 PM.

This program is underwritten by a grant from the National Science Foundation and is offered at no cost to participants.

*Stipend eligibility for teachers from High Schools participating in CyberTech Program

Participant information:

Name _____

Title _____

_____

School or Institution:

_____

School address:

Street _____

City _____State _____

Zip _____

E-mail _____

Phone: area code (_____) _____

Fax#: area code (_____) _____

Fax registration to 770-423-6530

Details

Dates: Saturday
                January 12   on campus
                January 26   on line
                February 2   on campus
                February 9   on line
                February 16   on campus

Time: 9:00 AM—4:00 PM

Location: Kennesaw State University
               1000 Chastain Road
               Clendenin Building
               Building 11, Room CL1005
               Kennesaw, GA   30144

Cost: *Scholarships for participants are provided by a grant from the National Science Foundation*

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How can I learn more?

Visit our CyberTech-ITEST website at:

http://CT.kennesaw.edu

Contact: Dale Benham, Director
CyberTech Programs
770-423-6783
Email: dbenham@kennesaw.edu

Computer Science and Information Systems

The faculty of the CSIS Department bring a wealth of academic preparation and industry know-how to the classroom. Research interests include object-oriented programming and systems development, telecommunications, hypermedia applications development, internet application development, computer law, computer security, end-user computing, and user-interface design. Both B.S. degree programs in Computer Science and in Information Systems are fully accredited.

http://science.kennesaw.edu/csis

Kennesaw State UNIVERSITY

Kennesaw State University is located in the rapidly growing northwest corridor of greater metropolitan Atlanta and serves a diverse student body. Since it was chartered in 1963, enrollment has grown to more than 20,000 students, and is now the fastest growing Georgia university. The College of Science and Mathematics has eight B.S. degree programs including Biology, Biotechnology, Chemistry, Biochemistry, Computer Science, Information Systems, Information Security and Mathematics, as well as Masters Programs in Applied Computer Science, Information Systems and Statistics.

http://www.kennesaw.edu

Teaching Computer Programming In High School Workshop

January 12—February 16 2008

COLLEGE OF SCIENCE AND MATHEMATICS

Kennesaw State UNIVERSITY