

Schedule

The Summer Institute will offer three programs. Each program is separate; it is not necessary to attend all three. However, the programs have been designed so that it is possible to participate in all three if desired.

Learning Java for AP Computer Science A
June 19–23

Learning Java for AP Computer Science AB
June 26–28

Teaching AP Computer Science A & AB
June 29–30

Sessions meet daily from 9:00 a.m.–5:00 p.m. with one hour for lunch.

Learning Java for AP Computer Science A (5 days)

This five-day course is designed for participants to learn Java in preparation for teaching AP Computer Science A. All Java topics required for AP Computer Science A will be covered. The course will include both lecture and hands-on labs, with one person per computer. **Prerequisite:** No prior knowledge of Java is necessary, but participants must have previous programming experience in a high-level language.

Learning Java for AP Computer Science AB (3 days)

This three-day course will allow participants to learn the Java topics that are unique to the AB curriculum, with a focus on data structures and algorithms. Participants must already have learned the material in the A curriculum, either by taking the *Learning Java for AP Computer Science A* course or from previous experience. The course will include both lecture and hands-on labs, with one person per computer. **Prerequisite:** *Learning Java for AP Computer Science A* or significant Java experience.

Teaching AP Computer Science A & AB (2 days)

This two-day workshop focuses on tools and methodologies for teaching AP Computer Science (both A and AB). This is not a Java tutorial; participants must already have significant knowledge of Java. Individuals who are already teaching AP Computer Science (A or AB) are welcome, as well as those who are planning to teach it in the future. **Prerequisite:** *Learning Java for AP Computer Science A* or significant Java experience.

Faculty

Anu Bourgeois, Ph.D.

Dr. Bourgeois is an assistant professor in the Department of Computer Science at Georgia State University. She holds a Ph.D. in electrical and computer engineering from Louisiana State University. Dr. Bourgeois has been selected twice (in 2002 and 2004) for inclusion in *Who's Who Among America's Teachers*.

K. N. King, Ph.D.

Dr. King is an associate professor in the Department of Computer Science at Georgia State University. He holds a Ph.D. in Computer Science from the University of California, Berkeley. He is the author of several books, including *Java Programming: From the Beginning*, which has been adopted at over 100 colleges and is often used in high school AP Computer Science classes. Since 1996, he has taught many college courses and short courses in Java. In 1997, he wrote a seminal paper about the advantages of Java as a language for teaching beginners.

Raj Sunderraman, Ph.D.

Dr. Sunderraman is an associate professor in the Department of Computer Science at Georgia State University. He holds a Ph.D. in computer science from Iowa State University. He is a well-known Java expert and the author of *Oracle 9i Programming: A Primer*, published by Addison-Wesley.

Fees

Thanks to funding from the University System of Georgia's Double the Double Initiative, there is no cost to attend any course or workshop.

Registration

Registration must be done online at the Summer Institute's web site: www.cs.gsu.edu/summer. The deadline for registering is May 15. Please register early, because seats are limited. Current Georgia teachers will be given preference.

Location

All programs will be held on the campus of Georgia State University in downtown Atlanta. Most of Atlanta's major attractions, including Centennial Olympic Park, Underground Atlanta, CNN Center, the World of Coca-Cola, Turner Field (home of the Braves), the King Center, and the new Georgia Aquarium (the world's largest) are within walking distance of the Georgia State campus.

Meals

Meals are not provided, but there are many restaurants on the Georgia State campus or within easy walking distance. Participants will have a one-hour lunch break each day.

Lodging

A number of hotels in all price ranges are located in downtown Atlanta. For a list of hotels near Georgia State, visit www.gsu.edu/hotels.html.

Certificate

Each participant will receive a certificate indicating the number of hours of instruction received. PLUs are expected to be awarded to Georgia teachers, subject to approval by the Georgia Department of Education.

Contact Information

For more information, please contact the director of the Summer Institute, Dr. Raj Sunderraman, at raj@cs.gsu.edu or (404) 651-0672.

About Georgia State University

Georgia State University, founded in 1913, has a mission of excellence in teaching, research and service. Located in the heart of downtown Atlanta, this major research university has an enrollment of more than 27,000 undergraduate and graduate students in six colleges. Georgia State is the second largest university in the state, with students coming from every county in Georgia, every state in the nation and from over 145 countries.

About the Department of Computer Science

The Department of Computer Science was created in 1999 when the Department of Mathematics and Computer Science was split. The department has approximately 530 undergraduate majors, 70 M.S. students, and 60 Ph.D. students. Night classes are offered, making it possible for working professionals to pursue a degree part-time. With 19 full-time faculty members from top universities, Georgia State's Department of Computer Science is one of the leading computer science departments in Georgia.



Georgia State
University

Summer Institute for AP Computer Science Teachers

June 19–30, 2006
Atlanta, Georgia

Department of Computer Science
Georgia State University

*Sponsored by the
University System of Georgia's
Double the Double Initiative*

