

ROBERT S. WELCH CENTER FOR GRADUATE AND PROFESSIONAL STUDIES  
GOUCHER COLLEGE  
ADVANCED PLACEMENT SUMMER INSTITUTE – IN PERSON  
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**SYLLABUS**

**COURSE CODE/TITLE** AP 512.100 Preparing Students for Advanced Placement Computer Science A

**AP CONSULTANT** Reg Hahne – [rhahne@hcpss.org](mailto:rhahne@hcpss.org)

**COURSE DESCRIPTION**

This in-person course is designed to maximize the learner experience, providing relevant AP content and pedagogy through meaningful engagement – all focused on best practices for preparing your AP students for success. Specifically, during this AP Computer Science A APSI, participants will explore the course framework, the exam, and the new AP resources that will help them plan and focus instruction—and give them feedback throughout the year on the areas where individual high school students need additional focus. Participants also will learn about completing the digital activation process at the start of the school year that will give them immediate access to the new resources and will help ensure that their students can register for AP Exams by the new fall deadlines. By attending this APSI, participants will gain deeper insight into the following key takeaways, among several others: Understand the Course; Plan the Course; Teach the Course; Assess Student Progress; and Engage as a Member of the AP Community. In addition, specific attention will be paid to the following AP Classroom resources: unit guides, personal progress checks, AP teacher community, and the AP question bank.

**DATES AND TIMES**

This 4-day program will run from 7:30am to 4:00pm Monday (6/21) through Thursday (6/24). We will meet in the Julia Rogers Building in Room 128.

## COURSE AGENDA

AP CS A	Day 1	Day 2	Day 3	Day 4
Session 1	<ul style="list-style-type: none"> <li>• Introductions and course goals</li> </ul>	<ul style="list-style-type: none"> <li>• Exam overview</li> <li>• Unit overview</li> <li>• Grading the Exam</li> </ul>	<ul style="list-style-type: none"> <li>• Steganography Lab</li> <li>• Personal Progress Checks</li> <li>• AP Teacher Community</li> </ul>	<ul style="list-style-type: none"> <li>• Best Practice Presentations</li> </ul>
Session 2	<ul style="list-style-type: none"> <li>• Consumer Review Lab</li> <li>• Introduction to the CED</li> <li>• Data Types, decisions and looping</li> </ul>	<ul style="list-style-type: none"> <li>• Data Lab</li> <li>• APClassroom</li> <li>• Arrays/ArrayLists</li> </ul>	<ul style="list-style-type: none"> <li>• Class Progress</li> <li>• AP Question Bank</li> <li>• AP Teacher Community</li> <li>• 2D Arrays</li> </ul>	<ul style="list-style-type: none"> <li>• Best Practice Presentations</li> </ul>
Session 3	<ul style="list-style-type: none"> <li>• Instructional Approaches</li> <li>• Curricular requirements</li> <li>• Program Design and introduction to OOP programming</li> </ul>	<ul style="list-style-type: none"> <li>• Formative Assessment</li> </ul>	<ul style="list-style-type: none"> <li>• Unit Planning</li> <li>• Celebrity Lab</li> <li>• Scavenger Hunt</li> </ul>	<ul style="list-style-type: none"> <li>• It's a wrap</li> </ul>

## **DESCRIPTION OF REQUIREMENTS FOR GRADUATE CREDIT**

To receive graduate credit students MUST:

- Participate in group learning opportunities to the best of their ability.
- Complete a class presentation on “Best Practices.”
- Attend class 100% of the time.

## **GRADE AND TRANSCRIPT INFORMATION**

Goucher College does not issue grade reports. You can obtain your grade approximately 3 weeks after concluding the course by going to the myGoucher website (myGoucher) and following the prompts to receive your grade. If you have misplaced your password, please contact the help desk (helpdesk@goucher.edu) and they will help you through this procedure.

If you need a paper copy of grades for tuition reimbursement, you will need to request a transcript in writing. You can fax your request to 410-337-6504 or mail to:

Goucher College  
Registrar’s Office  
1021 Dulaney Valley Road  
Baltimore, MD 21204

There is no charge for this request. Please allow 3-5 working days to process. To access the transcript request form, please go to [Transcript-Request.pdf \(goucher.edu\)](#).

Questions? Please call the Welch Center Office at 410-337-6200.