

Pre-Professional Programs

COMPUTER SCIENCE

“By exposing students to real world problems facing computer sciences all over the world and challenging them with thought provoking projects, we are fostering the next generation of computer scientists and inspiring students to pursue computer science.”

Instructor Testimonial —Jeffrey Rivero, CEO of Security Department Services Inc.



About the Program

The American Heritage Schools Pre-Professional Computer Science Program is a 4-year program beginning in 9th grade and culminating in 12th grade with an internship. In order to fulfill the requirements of the program, students must complete a total of 4.5 credits. All students in the program must be in honor math classes because of the high level of math required. Students are required to maintain a 3.5 cumulative GPA and must earn a B- or higher in each Computer Science course to remain in the program. All of the Pre-Professional Programs are taught daily by medical doctors, attorneys, judges, engineers, computer scientists, business leaders, and entrepreneurs.



Top Instructors

The program is taught daily by adjunct or full-time teachers who are practicing computer engineers, computer programmers, IS and IT experts. The program is taught at the college level using college level textbooks and curriculum.



Internships

The program culminates in a senior year internship when students experience the practice of computer science in real life. Seniors have weekly rotations in computer related businesses in software engineering, cyber security, artificial intelligence, etc. The connections our seniors make with practicing computer scientists are invaluable and often result in industry connections and future jobs.



Unique Curriculum

- Honors Computer Science Essentials
- Honors Programming with a Purpose
- AP Computer Science A
- AP Computer Science Principles
- Honors Cyber Security & Defense
- Honors Data Architecture
- Honors Web/App Development
- Honors Machine Learning & AI

All Taught Utilizing College Level Textbooks



Competitions & Community Service

- USA Computing Olympiad
- UCF High School Programming Tournament
- National Center for Women & Information Technology Cyber Patriot, US Airforce

The computer science program partnered with two local chapters from the Boys and Girls Club and visits once a month to teach the children how to code using a program developed by MIT called Scratch. A peer tutoring program is in place for our own students who need extra help in any computer science.



AMERICAN HERITAGE SCHOOLS

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