

Advanced Placement (AP) Computer Science is equivalent to a first-semester, college-level course in computer science. The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems.

Computer Science in Louisiana:

- Louisiana currently has 2,029 open computing jobs (4.8 times the average demand rate in Louisiana)
- The average salary for a computing occupation in LA is \$67,604
- Louisiana had only 365 computer science graduates in 2015; 18% of which were female
- 383 AP Computer Science exams were taken by Louisiana high school students in 2017
- 31% of the AP Computer Science exams taken in Louisiana were taken by female students
- Only 37 schools in Louisiana offered an AP Computer Science course in 2016-2017 which is 21 more than the previous year