

# GUIDED PATHWAY TO YOUR SUCCESS

## AP Computer Science

### Purpose:

This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education. The content includes but is not limited to practical experiences in computer programming, algorithms, program design structure, logical thinking, development methodologies, essential programming techniques, and implementation issues. Specialized programming skills involving advanced mathematical calculations and physics are also integrated into the curriculum

### Course Sequence Requirements:

- Advanced Information Technology
- Foundations of Programming
- Procedural Programming

### Industry Certifications:

Autodesk Certified User (AutoCAD)

### Career and Technical Student Organizations (CTSO):

Business Professionals of America (BPA)  
Future Business Leaders of America

### Scholarship Opportunities:

- Gold Seal Vocational Scholars (Bright Futures)
- Gold Seal CAPE Scholars (Bright Futures)

### Employment Opportunities:

- Computer Users Support Specialists
- Computer Programmer Assistants
- Computer Network Architects
- Computer Systems Analysts

COLLEGE

CAREER

**A GREAT  
FINISH  
GRADUATE**

45

You're almost there! Put forth every effort to prepare for your industry certification exam. Take advantage of this opportunity to build your resume for your future career. Good luck!

30

Maintain at least a 3.0 GPA in your program. Remember there are several scholarship opportunities available to you once you complete this program. These opportunities can pay 75% -100% of your college tuition if you choose to pursue post-secondary education.

Be sure to participate in your Career and Technical Student Organization (CTSO). By doing so you can learn more about your program and get involved in the state and/or national learning and work-based activities/ opportunities.

15

Enjoy this experience. This is the beginning of what your future will be. Take advantage of all of the learning opportunities offered to you.

**A STRONG  
START**