



## Learning Outcomes:

100% of the curriculum learning outcomes will be covered in the high school course(s) by qualified CTE high school instructor(s). The following outcomes will be addressed in the course:

The following outcomes will be addressed in the course:

- Apply computational thinking concepts such as abstraction, generalization and composition/decomposition
- Diagram program logic flow
- Solve problems using sequences, decisions and iteration in program flow
- Solve problems using arrays and common data structures
- Build procedural programs using stateless functions
- Develop programs to solve real-world problems
- Use appropriate program documentation, programming style and language conventions
- Create appropriate test cases with good test data
- Apply program debugging techniques and methods
- Identify the core features of object-oriented programming
- Compare and contrast procedural and object-oriented programming
- Apply object-oriented programming techniques in program development

## Reference Text:

Please visit the [www.hennepintech.edu](http://www.hennepintech.edu) bookstore for up-to-date text information.

## Course Assessments:

Students must achieve an **80% or better** in the high school course to be eligible for articulated college credits.

### Recommended Industry-Recognized Certification Or Comprehensive Assessment – High School

Certification or Assessment	Vendor	Other Information
*AP Computer Science A	Advanced Placement	