

Computer Science, Part 1

(CS-041-301-001)

CTECS 1 Syllabus

What You Should Already Know

You should have taken Algebra I, Secondary Math 1, or an equivalent course prior to taking this course.

Course Learning Outcomes

- Be familiar with and use a programming language Integrated Development Environment (IDE)
- Understand program development methodology
- Demonstrate effective use of commands and operations
- Properly employ control and loop structures
- Investigate career opportunities in the Computer Programming/Software Engineering industry
- Consider ethical applications of computer science

Course Materials

All the materials you need are included in the course. You do not have to buy any additional textbooks. You will be using accounts in codeHS in this course; you will learn more about setting these up in the Getting Started module.

Assignments

You will complete these assignments during the course.

Progress Checks

These short quizzes are a self report that you have completed the assigned activities using the online resource.

Unit Quizzes

These quizzes test how well you learned the programming concept. There are ungraded practice quizzes to prepare you for success on the graded unit quizzes.

Instructor-graded Assignments

These assignments verify your completion of the assigned activities using the online resource. You will also submit a written paper, programming assignments, and design thinking work as part of your module assignments. You will also complete one discussion assignment.

Final Project

The final module assignment includes the final programming project for the course. You will provide a description of how you chose, tested, and refined the assignment.

Final Exam

The final exam will be a review of basic programming concepts. There is an ungraded practice final to prepare you for success on the graded final exam.

Exams

You will complete one proctored final exam for this course. See the Exam Preparation page for details.

Grading

Your grade in this course will be based on these assignments and exams:

Assignment or Exam	Grading	Percent of Total Grade
7 Progress Checks	Computer	5%
8 Unit Quizzes	Computer	20%
7 Module Assignments and 1 Discussion	Instructor	40%
1 Final Project	Instructor	25%
1 Proctored Final Exam*	Computer	10%

* You must pass the final exam with at least a 60% to earn credit for the course.

Grade Scale

Your letter grade is calculated according to these percentages.

A	100% – 93%
A-	92% – 90%
B+	89% – 87%
B	86% – 83%

B-	82% – 80%
C+	79% – 77%
C	76% – 73%
C-	72% – 70%
D+	69% – 67%
D	66% – 63%
D-	62% – 60%
F (fail)	59% – 0%