

Introduction to Programming

CIS-130 2

Fall Term 2024-2025 School Year Section 2 3.00 Credits 08/26/2024 to 12/13/2024 Modified 10/09/2024

Course Description

Introduces students to the terminology, fundamentals and application of the program development process. Basic programming concepts such as problem analysis, logic organization and design, and program development and testing will be implemented. Topics covered include data types, operators, expressions, program flow control statements, and methods.

Course Materials

Starting Out with Visual C#

Author: Tony Gaddis

Publisher: Pearson

Edition: 5th

ISBN: 978-0-13-518351-9

Availability: Campus Bookstore, Amazon, etc

Price: Approx \$150 USD

Hardware Requirements

All CIS courses require the use of a laptop computer. Assessment of computer compatibility and hardware or software issues and questions may be directed to the Southeast Tech IT Support Center at 605-367-4461. For more information regarding the Virtual PC Technology used at Southeast Tech, contact the IT Support Center.

Deliverables

Final Project

Students will demonstrate the ability to create a Windows Forms application that utilizes several key aspects of programming, such as variables, loops, conditionals, methods, arrays, and classes.

✓ Evaluation Procedures and Grading

Criteria

BASIS FOR EVALUATION:

Exams (20% of grade) – Traditional students will take exams with their instructor. Online students are responsible for finding a proctor or testing site (which must be approved by the instructor) to administer some or all exams if they are unable to use Southeast Tech's Online Support Center located on campus.

Make-up exams are not available, but arrangements may be made with the instructor / proctor to take an exam *prior* to the scheduled testing time. Students may throw out their lowest exam score or choose not to take the last exam if they are satisfied with their grade. If a test is missed, it will be the test that's not included in the final grade.

Assignments (70% of grade)

- Each assignment will be given a due date, and *most* will close at 11:59pm on that date. Assignments should be turned into Coursework on or before the due date. The instructor will notify students if a due date has been changed. Occasionally, an extension (with or without a penalty) might be added beyond the original due date.
- Students may receive partial credit for partial solutions and are encouraged to complete all assignments in order to build their problem-solving and coding skills.
- Always check to see if an assignment has instructions and/or files attached to it in Coursework.

Quizzes (5% of grade) - It is expected that students demonstrate responsibility and commitment to learning by participating in the course and all activities. Students should check their school e-mail and the course website daily (especially the Coursework and Gradebook pages) to stay current with assignments and monitor their progress.

Worksheets/In Class Activities (5% of grade) - It is expected that students demonstrate responsibility and commitment to learning by participating in the course with other students and all activities. Students should check their school e-mail and the course website daily (especially the Coursework and Gradebook pages) to stay current with assignments and monitor their progress.

GRADING: The grading scale is shown below. Students may see a + or – with their course grade but it does not impact their overall gpa. Students are strongly encouraged to ask for help if they find themselves confused or falling behind.

90% - 100% = A 80% - 89% = B 70% - 79% = C 60% - 69% = D 59% or lower = F

A grade of "C" or higher is required for all CIS programming courses for students majoring in Programming.