

Course Syllabus

COURSE:	CIS 130 Introduction to Programming	
CREDITS:	3 semester hours – Fall 2019	
PREREQUISITE:	none	
INSTRUCTOR:	Vic Wilkinson Online Adjunct	E-mail: victor.wilkinson@southeasttech.edu Phone:

COURSE DESCRIPTION: This course introduces students to the terminology, fundamentals and application of a disciplined program development process. Basic programming concepts covered include: problem analysis; logic organization and design; creating user-friendly interfaces; sequential, decision, and looping constructs; data types, variable definitions and scope; various debugging techniques; arrays; methods; object-oriented programming concepts; database access; and error handling.

TEXT: Starting Out with Visual C#, 5th ed. by Tony Gaddis ISBN: 978-0-13-518351-9

COURSE OUTCOMES: The student should be able to demonstrate the following outcomes upon successful completion of this course:

1. Explain fundamental programming concepts and terminology.
2. Demonstrate the ability to use an Integrated Development Environment tool (i.e. Visual Studio) efficiently.
3. Design and construct a professional-looking, user-friendly interface that enhances a software solution.
4. Employ a software development process that includes problem analysis, logic and interface design, testing and debugging.
5. Distinguish between a program's input, processing, and output requirements.
6. Demonstrate proper use of a programming language's syntax, data, memory, and control structures.
7. Identify and resolve different types of programming errors.
8. Discuss program logic and code with others.
9. Create programs that effectively solve a variety of problems.

BASIS FOR EVALUATION:

Exams (50% of grade) – Traditional students will take exams with their instructor. **Online students are responsible for finding an approved proctor or testing site** to administer some or all exams if they are unable to use Southeast Tech's Online Support Center.

A minimum of four exams will be given during the semester. Exams will consist primarily of performance tests (where the student creates or completes an application). Tests may also include true/false, multiple choice, and fill-in type questions. Make-up exams are not available, but arrangements may be made with the instructor to take an exam prior to the scheduled testing time. Students may throw out their lowest exam score (if a test is missed, then the missed test would be thrown out) or choose not to take the last exam if they are satisfied with their grade.

Assignments (40% of grade)

- Each assignment will be given a due date / time. Ideally, all assignments should be turned in to Coursework by the due date. Your instructor may include a two-day extension on some assignments and will notify students if the extension has a penalty (usually no more than 10%).
- 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, even if it's from the textbook.
- **Programming Assignments** – usually consist of one or more exercises at the end of a chapter.

Class Preparation, Participation, & Team Work (10% 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 (especially the Coursework and Gradebook pages) to stay current with assignments and monitor their progress.

- **Tutorial Assignments** – consist of one or more in-chapter, step-by-step projects. Students will gain practice typing code using MS Visual Studio, adding internal documentation, and strengthening their debugging skills.
- **Prep and/or Team Assignments** – short quizzes and miscellaneous projects. Quizzes will NOT remain open beyond the due date. Students should read chapter topics prior to taking these assessments and should let their instructor know about topics they don't understand. Quizzes may be given unannounced and may not be made up.

GRADING: The grading scale is shown below.

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.

ATTENDANCE POLICY: Online students' "attendance" is reflected in their participation in class and their timely submission of assigned work. For traditional students, punctuality and good attendance are important. Being tardy or absent has a negative effect on the learning environment and ultimately the work environment. To better prepare students for employment, this course has expectations that emulate those of a normal job. Students should monitor their attendance on STInet, and are encouraged to meet with and email their instructors if they have extenuating circumstances that cause them to be absent for an extended period of time. Students are discouraged from leaving open labs early if they have unfinished work.

CONDUCT POLICY: Students are expected to act in a professional and courteous manner. Cheating or plagiarism may result in, at the very least, a zero for that work for everyone involved. Severe unethical behavior may result in a failing grade for the course, and possible suspension from school.

STUDENT SUCCESS: Student success is important to Southeast Tech faculty, and all faculty are involved in assessing learning. Southeast graduates will have competence in the following four common learning outcomes:

Technology: Graduates will be able to understand industry-relevant technical concepts (knowledge) and demonstrate industry-relevant technical skills (performance).

Communication: Graduates will be able to define the purpose of the communication they are using, organize and structure the communication, and provide supporting materials for this communication. Graduates will demonstrate precision of language and will be able to professionally deliver and format the communication.

Problem Solving & Critical Thinking: Graduates will be able to define a problem as it relates to their field of study. They will demonstrate the ability to analyze the problem, generate solutions, evaluate solutions, and select the best solution.

Professionalism: Graduates will be able to demonstrate positive work ethic, collaborate as part of a team, adapt to change, adhere to professional standards, and model integrity and ethics.

Violations of safety to self and others and/or violation of safe operating practices of equipment may result in: the reduction or loss of your daily grade; removal from class; and/or other disciplinary action.

The instructors and the faculty members in this course will act with integrity and strive to engage in equitable verbal and nonverbal behavior with respect to differences arising from age, gender, race, handicapping conditions and religion. If you have special needs as addressed by the American with Disabilities Act and need course materials in alternative formats, notify your instructor immediately. Reasonable efforts will be made to accommodate your special needs.