

CSIS 1595 - Fundamentals of Programming and Problem-Solving 1

Fall 2026 Syllabus, Section 01, CRN 41334,

Credit hours: 2

Instructor

Shihabuz Zaman

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Public Instructor Information

Instructor Title: Lecturer

Instructor Professional Qualifications:

M.Sc. in Computer Science, University of Louisiana at Lafayette, 2025.

B.Sc. in Computer Science & Engineering, Islamic University of Technology, 2015.

Instructor Office Location: Meshel Hall 332

Instructor Office Phone: 3309413796

Course Description

1595. Fundamentals of Programming and Problem-Solving 1. Introduction to concepts, principles, and skills of programming using a high-level programming language. Topics include programming language characteristics, an integrated development environment, algorithms and pseudocode, variables, operators, conditional statements, looping statements, functions, arrays, testing, debugging, documentation and program style. Credit will not be given for both CSIS 1595 and CSIS 2610. Prereq.: CSIS 1590 or MATH 1510 or MATH 1510C or MATH 1511 or MATH 1511C or Math Level 35. Coreq.: CSIS 1595L. 2 s.h.

Course Readings

Group	Title	Author	ISBN
Required	Starting Out With Python	Tony Gaddis	9780137871209

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Schedule of Topics and Assignments

Week of	Reading(s)	Proposed Topic	Due/To Prepare for Class
8/24	Chapter 1 Chapter 2	Introduction to Computers and Programming Input, Processing, and Output	
8/31	Chapter 3	Decision Structures and Boolean Logic	
9/7		University holiday	
9/14	Chapter 4	Repetition Structures	
9/21	Chapter 5	Functions	
9/28	Chapter 5	Functions	
10/5	Chapter 6	Files and exceptions	
10/12		Midterm	
10/19	Chapter 7	Lists and Tuples	
10/26	Chapter 8	More about strings	
11/2	Chapter 9	Dictionaries & Sets	
11/9	Chapter 10	Class and OOP	

11/16	Chapter 11	Inheritance
11/23	Chapter 12	Recursion
11/30	Chapter 1-12	Course revision Problem solving
12/7		Final exam

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.