PO Box 1189
1042 W. Hamlet Avenue
Hamlet, NC 28345
(910) 410-1700
www.richmondcc.edu

COURSE SYLLABUS

COURSE: CIS 115 INTRODUCTION TO PROGRAMMING AND LOGIC

HOURS: Lecture: **2** Lab/Shop: **3** Work Exp/Clinical: **0** Credits: **3**

COURSE DESCRIPTION:

This course introduces computer programming and problem solving in a structured program logic environment. Topics include language syntax, data types, program organization, problem solving methods, algorithm design, and logic control structures. Upon completion, students should be able to manage files with operating system commands, use top-down algorithm design, and implement algorithmic solutions in a programming language.
Note: In accordance with the Comprehensive Articulation Agreement, this course has been approved to satisfy the general education requirement for mathematics in A.A. and A.S. degree programs.

PREREQUISITE(S): DMA 010-040 or MAT 070 or MAT 003 or BSP 4003, DRE 097 or ENG 002 or BSP 4002 or ENG 111

COREQUISITE(S): None

TEXTBOOK(S) & OTHER SPECIAL REQUIREMENTS:

Open Educational Resources (OER) are listed in the course Moodle.

STUDENT LEARNING OUTCOMES:

Upon successful completion of this course, the student will be able to:

1. Demonstrate proficiency using an integrated development environment (IDE).
2. Define structured programming.
3. Use variables and data types available in the language.
4. Use conditional statements.
5. Use repetition statements.
6. Use basic data structures available in the language.
7. Design and implement algorithms.
8. Understand methods, argument passing, and return types.

*****Please refer to the online version of the Richmond Community College Program & Course Catalog and the Student Handbook for current academic and general information.**