Northwest Arkansas Community College
Business and Computer Information Systems Division

Discipline Code
PROG

Course Number
1603

Course Title
Swift Programming

Catalog Description
(On Demand) The student will gain knowledge and skill in the development of applications with the Swift programming language developed by Apple. This course will use a Linux server rather than a Macintosh as its development platform. Specific areas of emphasis will include familiarity with development on Linux, basics of Swift, Object-Oriented development with Swift, and effective use of Swift collections. (Outside lab time will be required). Prerequisites: PROG 1003

Prerequisites
PROG 1003

Credit Hours
3 credit hours

Contact hours
45 Lecture/Lab hours

Load hours
3 Load Hours

Semesters Offered
On Demand

ACTS Equivalent
None

Grade Mode
A-F

Learning Outcomes
Students will:
- Gain proficiency in the use of Apple's Swift programming language
- Be able to develop command-line programs in Swift running on a Linux server

General Education Outcomes Supported
None

Standard Practices
None

Topics list
- Software development on Linux
- The Swift programming language
- Object-oriented development with Swift
- Swift built-in collections

Learning activities
- Assignments and Projects
- This course requires some in class, hands-on work and also additional hands-on work in a virtual or on-campus computer lab.

Assessments
- Homework
- Projects
- Quizzes
- Exams

Grading guidelines
- A = 90-100%
- B = 80-89%
- C = 70-79%
- D = 60-69%
- F = 0-59%