[ARCHIVED CATALOG]

Course Descriptions and Objectives

Note: All courses have identified Course-level Learning Objectives (CLOs) that align with Program-level Learning Outcomes. More information about CLOs and PLOs can be found on the General Education Learning Outcomes page in this catalog.

Dual Listed Course
A dual listed course is one of two courses that have the same title and content, but use different department abbreviations. One or the other may be taken for credit, but not both. The student must make the choice at the time of registration. Examples: DIVST 125 - Race and Ethnic Relations:CD and SOC 125 - Race and Ethnic Relations:CD.

Computer Science

- ## CS& 141 - Computer Science I Java

  5.0 Credits
  Introduction to Java programming. Topics include basic Java syntax, data types, control structures, methods, object representation using classes, graphics, Applets and arrays, all within a framework of general object oriented programming principles. **Prerequisite**
  CS 115 or equivalent with a grade of 2.5 or higher or instructor permission. **Corequisite**

  Course-level Learning Objectives (CLOs)
  Upon successful completion of this course, students will be able to:

  1. Use the basic constructs of the Java programming language to write a correct, efficient and maintainable application program.
  2. Analyze real-world problems in quantitative terms and formulate programming solutions.
  3. Describe object-oriented concepts and structures in Java.
  4. Design and implement algorithms typically used in computer programming.
  5. Work cooperatively in small groups to design, implement and test a program.