**CS 300 Project One Milestone: Pseudocode**

Vector<Course> courses { (Vector Creation)

**Load CSVcourse file**

**(A comma separates each parameter/parses each line)**

**The first parameter becomes the header (course.courseNumber)**

**The second parameter gets added to the header (course.courseTitle)**

**WHILE the additional parameters are LESS THAN the total parameters {**

**IF the current parameter has characters GREATER THAN 10 {**

**Course name EQUALS the current parameter (course.courseTitle)**

**Course name added to the current course**

**}**

**IF the current parameter EQUALS a course number {**

**Prerequisite EQUALS the current parameter (course.coursePrereq)**

**Prerequisite added to the current course**

**}**

**ELSE {**

**Current parameter IS the new course in list (course.courseNumber)**

**}**

**}**

}

displayCourses(Course course) {

**FOR each course in courses {**

**IF course < 2 parameters {**

**OUTPUT “Course has less than two parameters!”**

**}**

**ELSE {**

**Print out the course information**

**}**

**}**

}

(Example:

CSCI100 Introduction to Computer Science

CSCI101 Introduction to Programming in C++ CSCI100

CSCI200 Data Structures CSCI101

MATH201 Discrete Mathematics

CSCI300 Introduction to Algorithms CSCI200 MATH201

CSCI301 Advanced Programming in C++ CSCI101

CSCI350 Operating Systems CSCI300

CSCI400 Large Software Development CSCI301 CSCI350

)

void searchCourse(Vector<Course> courses, String courseNumber) {

**for all courses**

**if the course is the same as courseNumber**

**print out the course information**

**for each prerequisite of the course**

**print the prerequisite course information**

}