**Tree - Milestone 3: Pseudocode**

loadCourseData(file)

**initialize currentCourse**

**initialize openInReadMode**

**openInReadMode.open(file)**

**if(file does not open)**

**print “error file did not open”**

**return 1**

**while(not end of file)**

**line equals getLine**

**if(line is empty)**

**continue**

**courseData is split(line, “,”)**

**if(length(courseData) < 2)**

**print “Format Error”**

**return**

**initialize currentCourse.courseNumber equals trim(courseData[0])**

**initialize currentCourse.title equals trim(courseData[1])**

**if(length(courseData) > 2)**

**for(i equals 2; i < length(courseData) -1; plus 1 to i)**

**currentCourse.prerequisites.add(courseData[i])**

**close file**

insert(node, currentCourse courseNumber)

**initialize node\* left**

**initialize node\* right**

**initialize node\* root**

**if(root is null)**

**root is courseNumber**

**else**

**if(currentCourse.courseNumber less than node.currentCourse.courseNumber)**

**node.left is insert(node.left, courseNumber)**

**else if(currentCourse.courseNumber greater than node.currentCourse.courseNumber)**

**node.right is insert(node.right, courseNumber)**

printCourseData(node)

**if(node is not null)**

**print courseNumber, title, prerequisites**

**preOrder(nodes left)**

**preOrder(nodes right)**