**Pseudocode 1**

**START** program

**SET** string *csvPath* to course list file path

**CREATE** vector of courses named *courseList*

**TRY** to open path

**IF** file format is good

**SET** Parser file = Parser sending *csvPath* as the argument

**OPEN** csvPath

**WHILE** file is open

**ITERTERATE** through each line

**SPLIT** line into array by commas

**IF** current line size is equal to 2

**APPEND** course object to *courseList*

**ELSE IF** current line size is equal to 3 or 4

**ITERTERATE** through elements 3 and 4

**IF** element’s Number not in list

**EXIT** iteration

**ELSE**

**CONTINUE**

**ELSE**

**CONTINUE**

**CLOSE** file

**CATCH** error

**IF** file not open

**THROW** exception

**END** program

**Pseudocode 2**

**START** program

**SET** string *csvPath* to course list file path

**SET** Parser file = Parser sending *csvPath* as the argument

**CREATE** vector of courses named *courseList*

**READ** in csvPath

**WHILE** not at end of file

**ITERATE** threw each line

**SPLIT** current line into elements in an array at commas

**CREATE** Course named *course*

**SET** course’s *courseNumber* equal to current lines first element

**SET** course’s *courseName* equal to current lines second element

**IF** *prerequisite1* does not exist

**SET** course’s *prerequisite1* equal to null

**ELSE**

**SET** course’s *prerequisite1* equal to current lines third element

**IF** *prerequisite2* does not exist

**SET** course’s *prerequisite2* equal to null

**ELSE**

**SET** course’s *prerequisite2* equal to current lines fourth element

**APPEND** to *courseList* sending *course*

**CLOSE** file

**END** program

**Pseudocode 3**

**START** program

**CREATE** string named *courseNumber* **SET** course number to search for

**CREATE** Course object named *course*

**CREATE** Node pointer named *currentNode* **SET** to head

**IF** *courseNumber* is equal to the *courseNumber* of the course head points too

**RETURN** the bid head points too

**WHILE** *currentNode* is not equal to a null pointer

**IF** currentNode’s *courseNumber* is equal to *courseNumber*

**RETURN** currentNode’s *course*

**ELSE**

**SET** *currentNode* equal to currentNode’s *next*

**RETURN** *course*

**END** program