**Pseudocode 1**

**START** program

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

**CREATE** BinarySearchTree() structure of courses named *courseBST*

**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

**INVOKE** Insert() function sending currentcourse object to *courseBST*

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

**ITERTERATE** through elements 3 and 4

**IF** element’s Number not in *courseBST*

**EXIT** iteration

**ELSE**

**CONTINUE**

**INVOKE** Insert() function sending currentcourse object to *courseBST*

**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** BinarySearchTree() structure of courses named *courseBST*

**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

**CREATE** Bid named bid

**SET** *bid* using *courseNumber*, *courseName*, *prerequeisite1*, and *prerequeisite2*

**IF** bid’s *bidId* < node’s *bidId*

**IF** node’s *left* is equal to a null pointer

**SET** node’s *left* equal to Node() function sending in *bid*

**ELSE**

**SET** pointer the node’s *left*

**ELSE**

**IF** node’s *right* is equal to null pointer

**SET** node’s *right* equal to Node() function sending in *bid*

**ELSE**

**SET** pointer the node’s *right*

**CLOSE** file

**END** program

**Pseudocode 3**

**START** program

**ITERATE** through *nodes* from beginning to end

**IF** current node is not equal to a null pointer

**INVOKE** inOrder() function sending in node’s *left* as an argument

**OUTPUT** current node’s bid’s *bidId* + “ : “ + current node’s bid’s *title* + “ | “ + current node’s bid’s *amount* + “ | “ + current node’s bid’s *fund*

**INVOKE** inOrder() function sending in node’s *right* as an argument

**RETURN**

**END** program