//Open file and read data

File = open(‘Course Information.txt’)

IF return value is -1, PRINT “file not found”

ELSE file is found

hashTable = HashTable()

For line in file:

//Parse data and check for errors

data = line.split(‘,’)

courseNumber = data[0]

title = data[1]

prerequisites = []

//check for 2 or more parameters

IF length of data < 2

Print “Error”

Else IF value of 2 or more is found

Continue

//Check for errors

For I in range(2, len (data)):

IF prerequisites not equal to “” and does not contain prerequisites

Print “Error: Prerequisites no found for course “, courseNumber)

CLOSE

//Create course objects for Hash Table

Create newCourse object

Set course variables for courseNumber, courseTitle, and Prerequisites

Course = Course(courseNumber, courseTitle, Prerequisites)

//insert to hashtable

hashTable.insert(courseNumber, course)

//Print Course prerequisites and information

PrintCourseInfo(course)

Course hashtable.get(courseNumber)

IF course == “”

PRINT “Error, Course not found.”

return

PRINT(“Course Number:”, courseNumber)

PRINT(“Course Title:”, courseTitle)

PRINT(“Prerequisites:”, prerequisites)

For prerequisites

Prerequisites = hashTable.get(prerequisites)

If prerequisites == “”

PRINT “Error, Prerequisites not found.”

ELSE

PRINT(prerequisites, courseNumber, “:” , courseTitle)

END