AIDA 1410: Algorithms and Data Structures

A. COURSE DESCRIPTION

Credits: 2
Lecture Hours/Week: 2
Lab Hours/Week: 0
OJT Hours/Week: *.*
Prerequisites: None
Corequisites: None
MnTC Goals: None

In this class, students will learn to write algorithms and create computer programs to solve problems. Topics include basic algorithm design, input parameters, sorting algorithms, arrays, stacks, and queues. Students must have a computer running C, Python, NumPy, and matplotlib. Students must be able to install programs and libraries on their computer.

B. COURSE EFFECTIVE DATES: 04/30/2024 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

None

D. LEARNING OUTCOMES (General)

None

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted