CS 4298: Compiler Construction

A. COURSE DESCRIPTION

Credits: 3
Lecture Hours/Week: 0
Lab Hours/Week: 0
OJT Hours/Week: *.*
Prerequisites: None
Corequisites: None
MnTC Goals: None

The theory, design, and construction of a compiler. Prerequisite(s): CS 2810 and CS 3528. May not be offered every year.

B. COURSE EFFECTIVE DATES: 08/20/1997 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. scanning and scanners
2. grammars, including BNF and EBNF
3. parsing and parsers including LL(1) grammars and recursive descent parsing
4. semantic processing
5. the design and writing of a compiler

D. LEARNING OUTCOMES (General)

1. articulate the major steps of compilation.
2. build a compiler for a programming language they design.

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted