

# North Hennepin Community College

## CSCI 2050: Internship Computer Science

### A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: \*.\*

Lab Hours/Week: \*.\*

OJT Hours/Week: \*.\*

Prerequisites:

This course requires the following prerequisite

CSCI 2002 - Data Structures and Algorithms (CS2)

Corequisites: None

MnTC Goals: None

The main objective of this course is to provide practical training and real work experience for the students. Often, it will include productive work contribution, and prospective employee evaluation for the employer. It can lead to increased college-industry interaction for the department and the college. Completion of this class will better prepare the student for multiple activities in a workplace. It should reflect positively on the students resume (employers view internship experiences positively.) Internship is an excellent opportunity for a student to affirm career interests. These opportunities can also provide the credentials needed for full-time positions. Internships and co-ops provide opportunities to network with professionals; strengthen confidence, maturity, and professionalism; establish professional references. Prerequisite: Enrollment in the computer science program, completion or concurrent enrollment in CSci 2002, a "B" average in all CSci courses

**B. COURSE EFFECTIVE DATES:** 01/14/2002 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Project specifications and scope
2. User interface and usability
3. Test plan
4. System architecture
5. Application design
6. Programming technology
7. Maintenance plan

### D. LEARNING OUTCOMES (General)

1. It will provide an opportunity for practical applied knowledge in Information Technology. It will improve reasoning skills through exposure to novel ideas of others.
2. This course will help students improve the effectiveness of their critical thinking skills through combination of on-the-job learning with application of classroom education in a work setting.
3. The course provides an opportunity for students to improve social and communication skills necessary in the market-driven world. Writing documentation should improve written skills. Personal meetings to discuss specifications and project progress should improve oral skills.
4. Exposure to multiple user types and their psychology in using the developed product or service during Beta testing should increase students' ability to deal with future diversified environments.

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

None

**F. LEARNER OUTCOMES ASSESSMENT**

As noted on course syllabus

**G. SPECIAL INFORMATION**

None noted