

Davenport University  
Course Syllabus

1. CSCI490 Computer Science Internship

2. Credit Hours: 3 / Contact Hours: 45

3. Course Coordinator: Kowalczyk, Brian

4. Textbook and Supplemental Materials

N/A

5. Specific course information

- a. Contact Career Services at least one semester prior to enrolling. This bachelor-level Computer Science Internship is the integration of previous classroom instruction with new learning acquired through on-the-job work experience. The employment experience should be related as closely as possible to the student's major field and individual interest. In general, 150–200 hours of career-related work time shall be required at the employment site and evidenced by weekly reports filed by the student. Students will be given information concerning placement site possibilities; however, responsibility for selection by the internship employer rests with the student. The internship may be either paid or unpaid. An appropriate faculty member and the placement site supervisor will evaluate the student's performance. Note: Any unexcused non-attendance or dismissal from an internship will result in a grade of F. A Criminal Background check and drug screening may be required by the Internship site. A \$30.00 insurance fee and a \$30.00 Internship Management fee are charged in this course. Prerequisite(s): Junior status, CSCI260 and either CSCI232, CSCI234, or CSCI239; minimum 2.5 cumulative grade point average and 2.7 in the major.
- b. Prerequisite(s): CSCI232, 234 or 239, CSCI260
- c. This course is required in the Computer Science program

6. Specific goals for the course

- a. Upon successfully completing this course, the student will be able to:
  - i. Demonstrate adherence to ethical and behavioral standards imposed upon organizational professionals with access to personal and organizational information.
  - ii. Comprehend an employee's accountability for both assigned and implied tasks.

- iii. Effectively and efficiently apply substantive, procedural, and theoretical knowledge obtained in the classroom to practical, value-enhancing work product.
- iv. Act professionally in terms of communications, attire, attitude, promptness, and participation.
- v. Evaluate the internship experience through the design and completion of an internship reflective paper detailing the specific experiential learning and the classroom instruction that supported the experience.

b. n/a

c. Mapping of Course Learning Outcomes to ABET's Student Outcomes

- i. Demonstrate adherence to ethical and behavioral standards imposed upon organizational professionals with access to personal and organizational information. (ABET SO #4)
- ii. Comprehend an employee's accountability for both assigned and implied tasks. (ABET SO #5)
- iii. Effectively and efficiently apply substantive, procedural, and theoretical knowledge obtained in the classroom to practical, value-enhancing work product. (ABET SO #6)
- iv. Act professionally in terms of communications, attire, attitude, promptness, and participation. (ABET SO #5)
- v. Evaluate the internship experience through the design and completion of an internship reflective paper detailing the specific experiential learning and the classroom instruction that supported the experience. (ABET SO #1)

7. A brief list of topics to be covered

- a. Requirements elicitation (individual/team)
- b. Software design (individual/team)
- c. Software testing (individual/team)
- d. Project Management (individual)