

Salisbury University Department of Mathematical Sciences

Salisbury University Department of Computer Science

MATH/COSC 380 : Internship

Syllabus (Tentative)

Description: Students work under supervisors in a local firm or public institution in conjunction with an advisor from the department. 3 Hours Credit: 8 to 10 hours per week.

Prerequisites: Approval of department chair.

Credit: Credit may only be received for one of MATH 380 and COSC 380. MATH 380/COSC 380 may be taken twice for a maximum of six credits, but used only once toward a major in mathematics or computer science.

Intended Audience: Mathematics, Data Science, and Computer Science majors wishing to enhance their understanding of how mathematics, statistics, data science, and computer science are actually used in practice.

Objective: To provide the student with an academically-coordinated professional experience related to the students field of study. Designed to enhance understanding of how mathematics, statistics, data science or computer science are actually used in practice. Students work in a private business or public agency on a project for which they can apply knowledge and experience related to their field of study. Students must meet regularly with their faculty advisors, and submit weekly or biweekly progress reports throughout the semester. An oral presentation is also required. Students must register for the internship concurrent with the experience. Offered on a pass/fail basis only.

Expectations: To ensure that the goals and expectations of the internship are clear to all concerned, students must have completed the online internship application <https://webapps.salisbury.edu/login/?site=/mathcosc/internship>. The online application must be signed electronically by the student, internship supervisor, faculty advisor, and department internship coordinator.

The student is expected to work 8–10 hours per week (during a 14-week semester), for a total of about 125 hours. The weekly hours are adjusted for summer and winter internships. Weekly or biweekly conferences will be held between the internship advisor and the student to see that the internship is going as expected and to help keep the work and study aspects of the internship on an even keel. The due dates for activities during the summer and winter sessions will be arranged by the faculty advisor.

Activity	Week
Weekly or Biweekly Reports	1 – 14
Oral Presentation	14

The oral presentation to students and faculty should be a summary of the highlights of the internship. In addition to the completion of the above activities, the internship advisor and the work supervisor must agree that the expectations of the internship have been fulfilled for a passing grade.

- Clear descriptions of thought processes, evidence of critical thinking, and effective communication must be demonstrated in written work.
- **Writing Across the Curriculum:** Students will be expected to communicate mathematics and mathematical ideas effectively in speech and writing. At the University Writing Center, trained consultants are ready to help you at any stage of the writing process. In addition to the important writing instruction that occurs in the classroom and during professors' office hours, the Center offers another site for learning about writing. **All students are encouraged to make use of these important services.**
- **NOTE:** Once a student has received credit, including transfer credit, for a course, credit may not be received for any course with material that is equivalent to it or is a prerequisite for it.