

Internship Information for Math Majors

Students may earn course credit while working as an intern for a company or for a government agency. Credit is under course number ACT/DAT/MAT/STP 484. Internship credit applies to the major requirements as follows:

Mathematics BA: Internship credit applies to area 8, 9, or 10.

Mathematics BS: Internship credit applies to area 12 or 13.

Computational Mathematical Sciences BS: Internship credit applies to area 6.

Actuarial Sciences: Internship credit applies to area 19. See ACT 484.

Data Science: Internship credit can potentially be used as a track elective. Please consult with your academic advisor. See DAT 484.

Mathematics (Statistics): Internship credit applies to area 15. See STP 484.

All internships need to be approved by a math departmental advisor. Below are some guidelines which will help you plan your internship. Internships which fall outside of these guidelines are still possible, but reasons for going outside of the guidelines need to be justified to an advisor.

Internships are subject to the following restrictions.

- the student must have a 2.5 GPA or higher
- one can earn one credit hour of MAT 484 for each 45 hours worked as an intern
- a given internship cannot be used for more than 3 hours of MAT 484 credit
- no more than six hours total of MAT 484 credit will be approved
- grade of “Y” or “F”. “Y” signifies “C” or better and can be used to satisfy requirements of the major.

For an internship to count toward ACT/DAT/MAT/STP 484 credit, it should meet at least one of the following criteria:

- have a substantial mathematical or computational component
- involve significant work with statistics or data analysis
- consist of work as an actuary
- involve a substantial amount of computer programming.

At the end of the internship, the following items are required:

- A letter from the employer stating whether or not the student performed their job satisfactorily and the total number of hours worked. This report must be submitted by the site supervisor. *The site supervisor also must agree to provide such a report before approval to register in 484 can be granted.* The number of hours can extend to time before the start of the semester where the student registered for the internship.
- A report written by the student on the internship. For a typical 3-credit hour internship, the report should have: 10-15 double-spaced pages, 12pt font, and one-inch margins. The

report should describe the duties performed by the student, how the duties related to mathematics, any new mathematics learned, and personal growth from the experience.