**MAT 399: Internship II in Mathematics**

1. **Basic Course Information**

Undergraduate Bulletin course description: “A supervised mathematics related experience in the industrial, governmental, private or nonprofit sector.”

MAT 399 is an upper level course for students interested in pursuing an internship in mathematics in the industrial, governmental, private or nonprofit sector. Academic internships provide a form of experiential education that allows students to integrate their disciplinary knowledge in a work environment. A TCNJ faculty member will supervise the internship and will conduct on-the-site visits. There will also be an on-the-job supervisor at the employer. MAT 399 is distinguished from MAT 299 by the internship making significant use of a student’s mathematics content knowledge.

Students enrolling in MAT 399 must meet the prerequisite of having completed four course units at TCNJ. Students must also complete both TCNJ Internship Enrollment Form and the Department of Mathematics and Statistics Student Internship Agreement. The on-the-job internship supervisor must also complete the department’s Employer Internship Agreement. Enrollment requires the approval of the department chair.

1. **Learning Goals**
   1. The student applies and tests academic knowledge learned in the classroom to the workplace.
   2. The student advances knowledge of the qualifications and duties for a position in a field, and can explore their interest in a career in that field.
   3. The student gains an understanding of the skills and knowledge required for success in the workplace
   4. The student develops his/her ability to write and present a paper about mathematics and its applications.
2. **Student Assessment**

Students MAT 399 will be letter graded, taking into consideration employer and faculty supervisor evaluations of on-site work performance and performance on agreed upon academic requirements. All students will be required to write and present a research paper related to the internship experience.

1. **Learning Activities**

Specific learning activities for the internship will be decided on an individual basis through an agreement between the faculty supervisor and the student. All students will be required to write and present a research paper related to the internship experience.