

Guidance for transfer students in Mathematics and Statistics
Mathematical Sciences BA

Students planning to transfer to TCNJ have often completed all or part of the calculus sequence (Differential Calculus, Integral Calculus, and Multivariable Calculus) prior to transfer. Many students have also taken a linear algebra course, differential equations, and/or a computer programming course. If taken at a community college, these classes will not have covered quite as much as the corresponding courses at TCNJ. The department chair or associate chair will talk to you to help you decide which of these classes you should take at TCNJ.

If you do not have an associates' degree, you will need to complete courses from across TCNJ to ensure the breadth of your college program. Some of your transfer courses may satisfy some of these requirements. The department chair can share a list of these requirements and will help you understand the process for requesting credit for your transfer courses. If you have an associates' degree, you are exempted from these requirements.

TCNJ uses a course unit system instead of a credit system. One TCNJ course unit is equivalent to 4 credits in a credit system. For graduation, all students must complete 30 course units. Your transfer credits will count towards these units. TCNJ students normally take 4 units each semester.

Below is a sample plan for completing the degree requirements for the Mathematical Sciences BA in two years for a student who arrives at TCNJ in the fall with 16 course units, with all calculus courses completed, and with an associates' degree.

Semester 1: MAT200, MAT205, CSC120 or MAT203, MAT099, elective (4 units) *

Semester 2: Core Option (one of MAT305, MAT310 or MAT316), MAT/STA option MAT3xx/4xx or STA3xx/4xx, MAT275 (offered spring only), $\frac{1}{2}$ or 1 unit elective (4 or 4.5 units)

Semester 3: 2 MAT/STA options MAT3xx/4xx or STA3xx/4xx, a 200-level science course with a lab, 1 unit elective (4 units)

Semester 4: 1 MAT/STA options MAT3xx or STA3xx, MAT498 (offered in spring only), 1 elective (4 units)

Please see the checklist and the document College Core requirements for Mathematical Sciences BA majors for a complete list of requirements at TCNJ.

* If you plan on taking MAT229 or STA215 or STA216 for one of the 4 options, it is advisable to take this course in the first semester.