Data Science, Analytics and Engineering Deficiency Exam Details

Refer to your admission letter to verify your assigned deficiencies.

List of Data Science, Analytics and Engineering Deficiency courses along with the associated ASU course numbers

- CSE 205** - Object-Oriented Programming and Data Structures
- MAT 242* - Elementary Linear Algebra or MAT 342 Linear Algebra or MAT 343 Applied Linear Algebra or IEE 376
- MAT 267* - Calculus for Engineering III
- IEE 380 - Probability and Statistics for Engineering Problem Solving

**To get credit by exam for this course contact your assigned academic advisor
*To get credit by exam for this course, contact the Math Department

Option 1: Waiver Process

- Students wishing to have their course syllabi examined as evidence that deficiencies have been satisfied must submit a petition. The request will need to be submitted using the Petition for Reevaluation of Deficiency Course form along with supporting documents such as a syllabus, catalog description, and university transcripts (including the grade scale), to prove that you have met the requirements. Only new information will be considered, the decision is final.

Deficiency re-evaluation - details are [here](#) – deadline is July 31, 2022

Option 2: Deficiency Test out Exam

- In fall and spring semesters, an online course proficiency examination (CPE) is provided to allow students entering with deficiencies (listed in the admission letter) to take a test to establish whether they possess basic knowledge of the course sufficient to have an assigned deficiency waived. The cost for each subject examination is $59 payable at the time of registration. Students have one attempt for each subject. Note: There is no CPE exam for CSE 205, MAT 242, and MAT 267. For deficiencies in Mathematics courses, MAT 242 and MAT 267, the applicant is required to contact the Director of Undergraduate Programs in the School of Mathematical and Statistical Sciences. The cost to take a deficiency examination is set by the university, and the current cost (2021-2022 academic year) is $150. This fee is for registering for an examination and taking the examination. The fee is non-refundable. It would also be possible to take and pass the courses online prior to registration. These courses are offered in all semesters, including the summer. Students taking the course in the summer prior to admission to the doctoral program would receive a conditional admission, contingent on passing during the summer.

Deficiency exams for IEE 380 are offered online. The cost of the exam is $59. **A student has only one attempt for the exam.**

November 2021
• Students must register for the exam using their ASU email.
• A passing grade on the exam will waive the assigned subject deficiency.
• A certificate is issued at the end of the exam if you achieve a passing grade.
• The deadline to take the exam for IEE 380 is **August 17, 2022**.

The exam can be reached at the following link:

https://courses.cpe.asu.edu/browse/scai-exams/

This scheduled testing period is the only opportunity for deficiency test-outs. No other/later arrangements will be made for students to test out of assigned deficiencies.

Once you have passed the final exam, you will need to submit the Deficiency waiver form and upload your certificate here: https://fultonapps.asu.edu/deficiency/

**Option 3: Enrolling in the course**
Students who could not clear their assigned deficiency through the waiver process or deficiency test-out exam are required to enroll and pass the course(s) in their first year.