

Petitioning to Fulfill a Data Analytics Requirement with a Transfer Course

Introduction

Goucher College's Data Analytics requirement is a two course sequence which:

1. Introduces students to engaging significantly with data in a general way in the Data Analytics-Foundational (DA-F) course.
2. Expands upon the foundation developed in the DA-F course by engaging significantly with data within a disciplinary context in the Data Analytics-Across-the-Curriculum (DA-AC) course.

This requirement is distinctive and unique among colleges and universities. As such, it may be challenging to find a course at another college or university that will fulfill either the DA-F or the DA-AC requirement at Goucher. This document provides guidance in doing so.

The Data Analytics requirement is administered by the Center for Data, Mathematical, and Computational Sciences. The Center Director may be contacted by sending an email to Director.CDMCS@goucher.edu. If you are considering taking a course at another college or university and requesting to use it to fulfill either the DA-F or DA-AC requirement, you should contact the Center Director and follow the guidance below.

DA-F Guidance

General introductory statistics courses and Calculus courses taken elsewhere will typically receive transfer credit at Goucher and fulfill the DA-F requirement. See Part I of [Data Analytics](#) in the Undergraduate Catalogue for examples of other courses that fulfill the requirement.

Several types of courses either will not receive transfer credit or will not fulfill the DA-F requirement. Examples include:

- Algebra courses (college algebra, intermediate algebra; anything of this nature)
- Trigonometry courses
- Precalculus courses
- Introductory "Survey of Mathematics," "Mathematics Concepts," "Topics in Mathematics," and similar courses
- Business math courses, including financial math and accounting

The criteria used to evaluate a transfer course (three or more credits) for fulfillment of the DA-F requirement are that 75% of the teaching, practice, and assessments of the course must be directly related to the DA-F learning goals:

- Obtain and analyze data.
- Draw and critique conclusions from data analysis.
- Communicate information from data analysis.

75% is a very high standard. To help us evaluate a course for fulfillment of the DA-F requirement, you must submit a course description and syllabus. We also strongly, strongly recommend that you submit copies of course assignments. It is your responsibility to convince us that the course with which you are proposing to fulfill the requirement meets this standard.

DA-AC Guidance

Few courses taken elsewhere will receive DA-AC transfer credit at Goucher. Research methods courses in the social sciences will generally transfer, so long as they have a Statistics course as a prerequisite. See Part II of [Data Analytics](#) in the Undergraduate Catalogue for examples of other courses that fulfill the requirement. Keep in mind that each of these courses engage significantly with data within a disciplinary context.

The criteria used to evaluate a transfer course (three or more credits) for fulfillment of the DA-AC requirement are that 33% of the teaching, practice, and assessments of the course must be directly related to the DA-AC learning goals:

- Build on the skills obtained in DA-F courses in order to use authentic disciplinary or interdisciplinary specific data analysis and visualization techniques.
- Draw conclusions from data analysis and visualization to further insight into the discipline or interdiscipline.
- Communicate conclusions from data analysis and visualization using the language of the discipline or interdiscipline.

33% is a high standard. To help us evaluate a course for fulfillment of the DA-AC requirement, you must submit a course description and syllabus. We also strongly, strongly recommend that you submit copies of course assignments. It is your responsibility to convince us that the course with which you are proposing to fulfill the requirement meets this standard.