

CASE STUDY

Which Transfer Student Is Likely To Take More Than 2 Years To Graduate or Attrit?



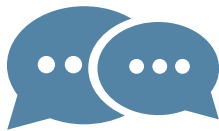
AT A GLANCE

Research Question

What indicators forecast the need for preemptive transfer student counseling?

Findings

- Repeating courses
- Repeating major relevant courses
- Diverse coursework
- Effort level (part-time vs full-time)



Want to learn more about the data set, the machine learning analytics or how the results were put into action? Email me at mholt@midtowncg.com

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Director

OBJECTIVE

Identify the Community College transfer students needing preemptive counseling or intervention to ensure that they complete University coursework in 2 years time.

BACKGROUND

A new goal of graduating 50% of the 2nd year transfer student from University in 2 years is driving a need to identify and support students who present early indicators of shock or the need for counseling.

Using the CFEED platform (Powered by Azure) the team at Valencia College analyzed the journeys of thousands of past and current transfer students. After 2 weeks and several machine learning models the team isolated the common attributes that indicate longer to graduate or even attrition.

A common observation was finding students likely to have university shock. Shock that leads to longer to graduation (i.e. > 2 years or 2) or attrition.

This is what they found.

FINDINGS

One

4-6 attributes indicate longer to graduate or attrit. Repeating courses, especially major courses, pursuing diverse coursework load and enrolling part-time all can extend graduation timelines or increase attrition.

Two

Identifying students that have experienced or are about to experience academic shock is key to intervention timing

Three

Students should be grouped into profiles or intervention groups for counseling & universities need many intervention types to support students