

# Facility and Behavior Analytics Help Eureka College Promote Student Safety and Success

## About The Partners

**Eureka College** is a private, Christian-affiliated liberal arts college located in Eureka, Illinois. Eureka’s administrative team prides itself on having a good understanding of the wants and needs of their students and keeping up with trends on campus.

Eureka utilizes **Apogee** ResNet and Managed Campus services for their campus networks, which enables a seamless integration with **Degree Analytics** EnGauge Platinum platform. By leveraging the on-going partnership with Apogee, Degree Analytics is able to easily collect all pertinent network and device logs, configure appropriate server infrastructure and ensure data is continually flowing and contextualized for sharing with college administration with minimal administrative input. During the pandemic era, Eureka has been faced with an all-too-familiar question: How do they keep their students safe and learning? With the Degree Analytics platform in place, Eureka hoped to gain even more insights into their students.

## Results & Next Steps

Eureka College benefits from being a close-knit campus, which allows personal monitoring of their students and staff on campus. The Degree Analytics EnGauge Platinum platform provided social distancing metrics around Wi-Fi usage, including in-depth facility usage statistics and a contact tracing function (see image s1 and 2 for sample facility usage).

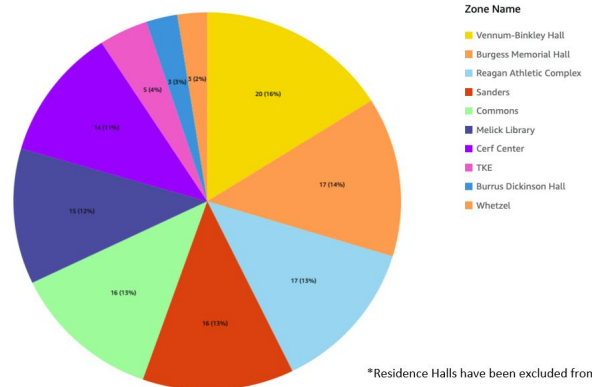
## Implementation Goals

Eureka College wanted a data-driven system for contact-tracing during the pandemic to complement their ongoing safety protocols and facilitate maintaining on-campus activities.

As the pandemic ended, additional focus was placed on understanding and tracking student behavior, including:

- Tracking student academic performance trends for generational, race, and class-year cohorts
- Drilling down into the data to understand at-risk populations by class, activity, and race

## Where Do Freshmen Spend Their Time?

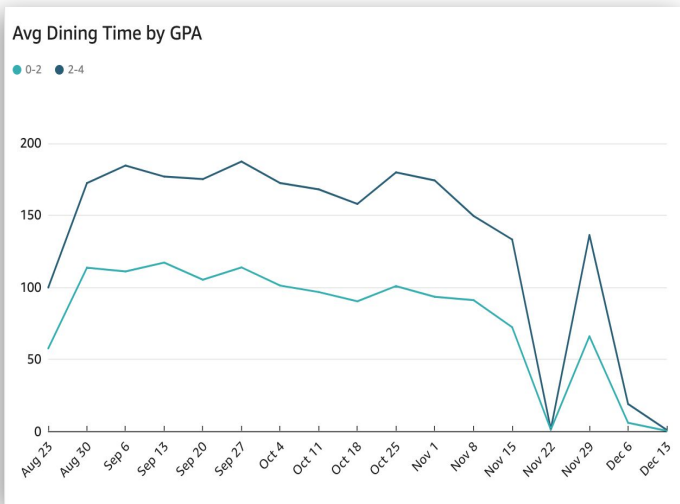


With a handle on COVID-19 interventions, Dr. Ann Fulop, Provost and Vice President of Academic Affairs, could turn her attention to quantitatively understanding student behaviors. Dr. Fulop reviewed various metrics and found the data matched administrative expectations. Now the institution had some numbers to go along with their intuition on topics ranging from class attendance to facility usage to even which cohorts of students remained on campus over the weekend!

**“Initially, we partnered with Degree Analytics to utilize their contact tracing and social distancing tools, which were pivotal in helping Eureka mitigate the spread of Covid-19. Now we are exploring the Degree Analytics EnGauge Platform to provide additional views into student engagement to help us continue to enhance student life on campus.”**

- Dr. Ann Fulop  
 Eureka College

Provost and Vice President of Academic Affairs



Difference in Dining Time between High and Low Performing Students

The nuanced views provided by the platform were of special benefit given Eureka College’s size. The most surprising insight was the connection between student facility usage and academic performance. Degree Analytics found lower usage of facilities, both academic and recreational as grade performance decreased. Overall, as expected, class attendance is 24% higher for the high performers than the low performers. Unexpectedly, there were other notable engagement discrepancies. Student scoring above 2.0 have 52% more dining time than those student scoring below 2.0. This raised questions about student workers and access to resources for financially at-risk students. At the request of Dr. Fulop, the Degree Analytics platform will now be utilized to look at specific subgroups of at-risk students, including first generation students and academically vulnerable athletes.

