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DELOITTE HIGHER EDUCATION

## Client Success Story

Student Data Warehouse for a Leading Private Research University

# Student Data Warehouse for a Leading Private Research University

*Implementing a first of its kind Student data warehouse for an R1 higher education institution.*



## Background

When one of the top private research universities set out to replace their 30+ year old legacy Student system with Workday Student, there was an early recognition that the legacy data warehouse needed to be replaced alongside the Workday Student Information System (SIS) to make sure departments and central offices had a scalable reporting platform that provided accurate and timely information.

This institution's Student data warehouse was the first of its kind for an R1 higher education institution.

Our methodology provided a structured way of analyzing legacy reports and leveraging peer vetted student models and industry leading practices in Academic Advising, Student Life, Curriculum Management, Enrollment, and Census & Regulatory Reporting to recommend a sustainable and scalable reporting solution.

In addition, we provided the following services to help develop a streamlined and performance-optimized solution:

- Data extraction from Workday
- Data transformation services to transform transactional data for reporting
- Metadata and analytical content in Cognos and Tableau
- Robust data management program
- Data Governance and security



## Process

The University initially engaged the Entelligence Analytics team (acquired by Deloitte Consulting in August of 2021) to evaluate its higher education accelerators for student data and subsequently to create the Student data warehouse. The team gathered requirements and conducted a fit-gap analysis for the institution's reporting requirements and provided a roadmap for delivering relevant reporting content.

The objective of the implementation was to create a scalable reporting platform that answers known questions while positioning the University to address emerging needs. The team worked closely with key stakeholders to prioritize and address operational and management reporting needs.



## Impact

This University was the first R1 institution to go-live with Workday Student and implement a Student data warehouse leveraging Workday data.

The teams' deep industry knowledge, strong functional skills, and extensive technical experience enabled the University to create relevant data models and extract data from object-oriented data structures into performance optimized and user centric datasets for users to explore, analyze and act on.



## Impact *(cont'd)*

Highlights of other outcomes include:

- Developed a holistic reporting strategy that served as a foundation for cross domain and cross era reporting
- Advised on data governance and security
- Mapped legacy reporting requirements to Workday constructs
- Consolidated various reporting needs to create a single source that provided compliance reporting, managerial, and analytical reports
- Distributed valuable information from Workday in a secure manner to the reporting users
- Allowed users to slice and dice the data in ways they need to manage their operational processes
- Developed a technical foundation to continue enhancing the analytical platform



“The replacement of our legacy student system included an effort to **reimagine how to deliver a large inventory of legacy reports** built over decades. Deloitte's methodology and models helped us **prioritize and address our management reporting needs** using a new and effective paradigm.”

– Chief Information Officer

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