

Dashboards



Oregon **TECH**

Oregon Institute of Technology

Board of Trustees Meeting: July 25, 2019

Institutional Dashboards

- Definition of dashboard
- What have others done in this area?
- Candidate areas for dashboards
- How do we identify appropriate dashboard indicators for Oregon Tech?
- Discussion

Dashboard

Source: Merriam-Webster

dashboard noun

dash·board | \ 'dash-,bōrd  \

Definition of *dashboard*

- 1 : a screen on the front of a usually horse-drawn vehicle to intercept water, mud, or snow
- 2 : a panel extending across the interior of a vehicle (such as an automobile) below the windshield and usually containing instruments and controls

Dashboard

<https://www.klipfolio.com/resources/articles/what-is-data-dashboard>

- A data **dashboard** is an information management tool that visually tracks, analyzes and displays key performance indicators (KPI), metrics and key data points to monitor the health of a business, department or specific process.

What have others done in this area?



What have others done in this area?

- 66 different dashboards
- Number of indicators varies greatly (3 to 68)
- Grouped measures into 11 categories
- Within categories – subgroups with 6 to 100 indicators.

What have others done in this area?

Indicator Group Usage Ranking by Category

Category	Indicator Group	Number of Dashboards Using (N=66)	Percent of Dashboards Using
Financial Indicators	Endowment & Expenses Data	53	80.3%
	Advancement	48	72.7%
	Financial Aid Figures	42	63.6%
	Tuition/Fees Data	31	47.0%
Admissions	Admissions Scores	52	78.8%
	General Admissions Data	47	71.2%
	Graduate Admissions	14	21.2%
Enrollment	Enrollment Figures	51	77.3%
	Enrollment Figures (Special Population)	47	71.2%
Faculty	Faculty – General	51	77.3%
	Faculty Composition – Special Population	22	33.3%
Student Outcomes	Graduation Rates	48	72.7%
	Retention Rate	47	71.2%
	Measures of Success	27	40.9%
	Completions and Awards	15	22.7%
	Graduation Rates – Special Population	10	15.2%
Student Engagement	Student Body – Engagement	38	57.6%
Academic Information	Student/Faculty Contact	36	54.5%
	Academic Information	31	47.0%
Physical Plant	Physical Plant	25	37.9%
Satisfaction	Student Satisfaction	23	34.8%
	Employer/Staff, Other Satisfaction	7	10.6%
	Faculty Satisfaction	3	4.5%
Research	Research	23	34.8%
External Ratings	Peer Assessment Data	14	21.2%

Source:



What have others done in this area?

Undergraduate Enrollment	Master's Degrees Awarded
Under-Represented Minorities %	Doctoral Degrees Awarded
Total International Enrollment	Tenure-Track Faculty %
Percent of Undergraduates Pell-Eligible	Extramural Research Funding
New Freshmen Average ACT	Endowment Assets
First-Year Retention Rate	University Investments
Six-Year Graduation Rate	Debt Burden Ratio
Bachelor's Degrees Awarded	Composite Financial Index (CFI)

Source: Kent State University

What could ours look like?

- A 2 to 3 page document - a concise, high-level display of the health and progress of the university
- High-level metrics that can be derived from multiple, operational division dashboard indicators as we navigate up the org structure.
- At the high level – relating to the institutional mission, vision, and goals.

Mission

Oregon Institute of Technology (“Oregon Tech”), Oregon’s public **polytechnic** university, offers innovative, professionally-focused **undergraduate and graduate degree programs** in the areas of engineering, health, business, technology, and applied arts and sciences. To foster **student and graduate success**, the university provides a hands-on, **project-based learning environment and emphasizes innovation, scholarship, and applied research**. With a commitment to **diversity and leadership development**, Oregon Tech offers **statewide** educational opportunities and technical expertise to meet current and emerging needs of Oregonians as well as other **national** and **international** constituents.

Vision

Oregon Tech will achieve **global recognition** among polytechnic universities, be recognized as the '**industry's university**', and nurture the **leaders of tomorrow**.

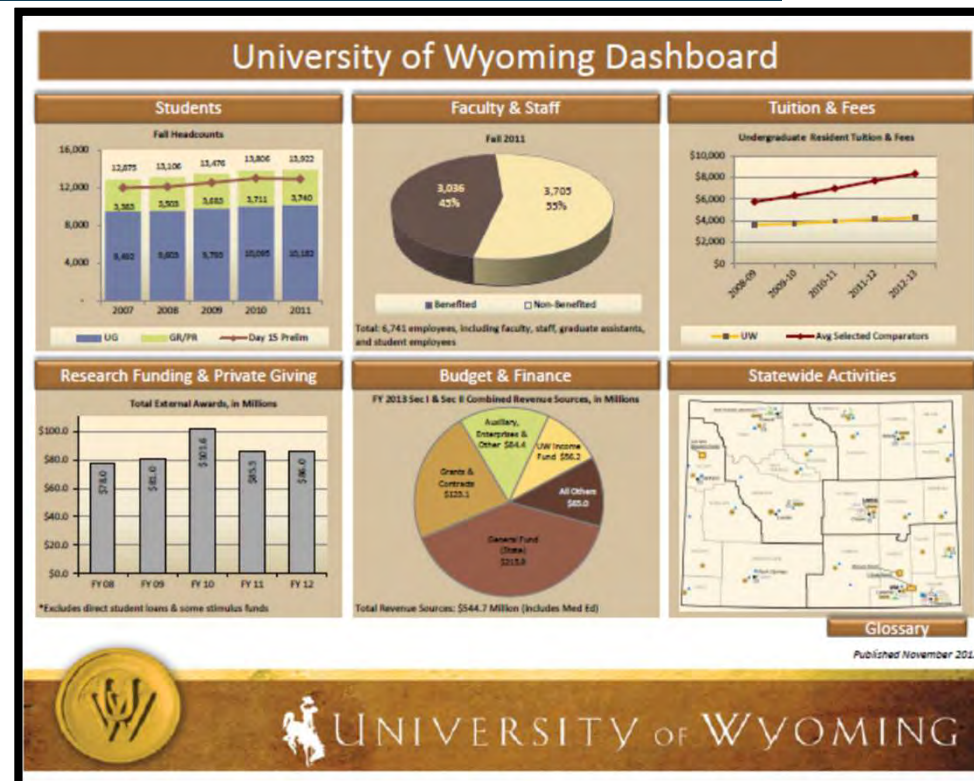
Industry's University



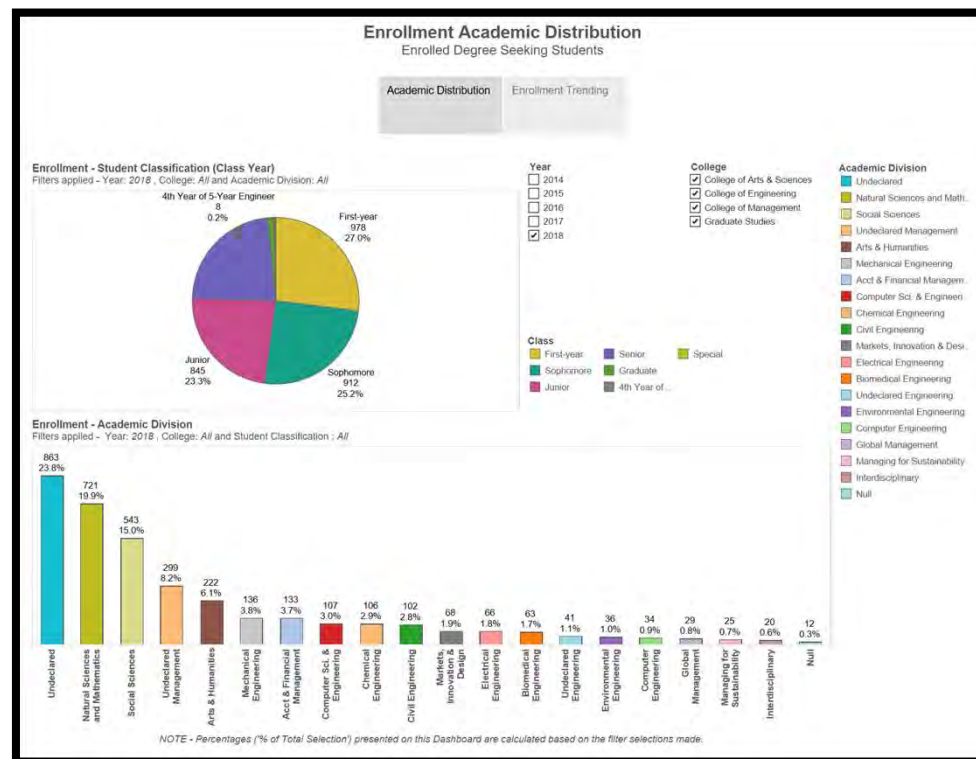
Possible set of indicators for us

- Academics (Faculty & Programming)
- Enrollment
- Financial
- Facilities
- Students, Faculty, and Staff Outcomes
- Applied Research & Innovation

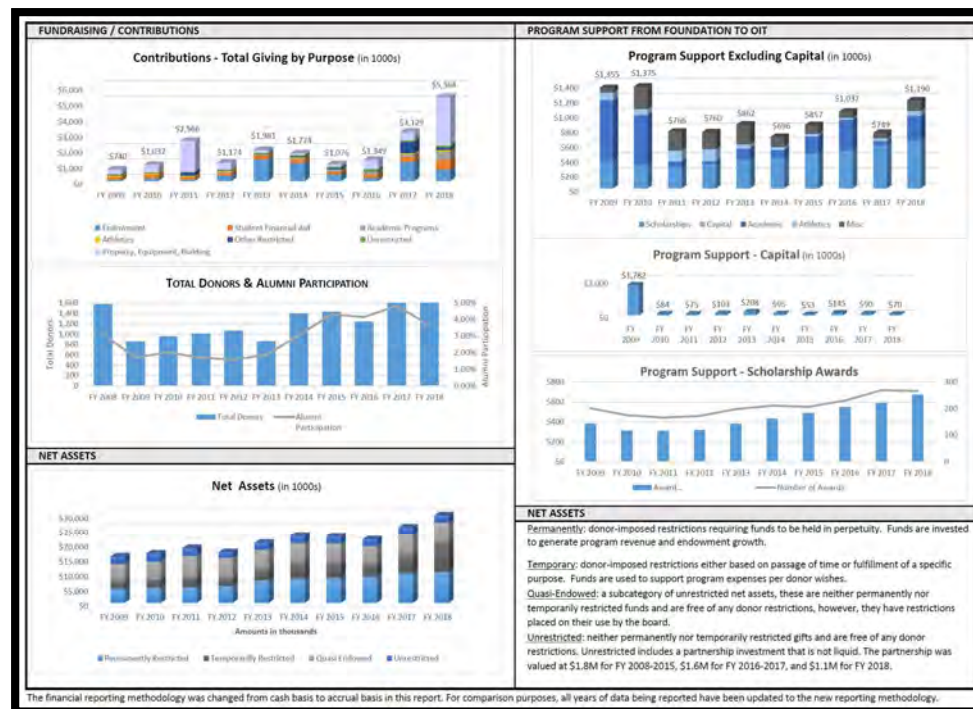
Presentation formats – Wyoming



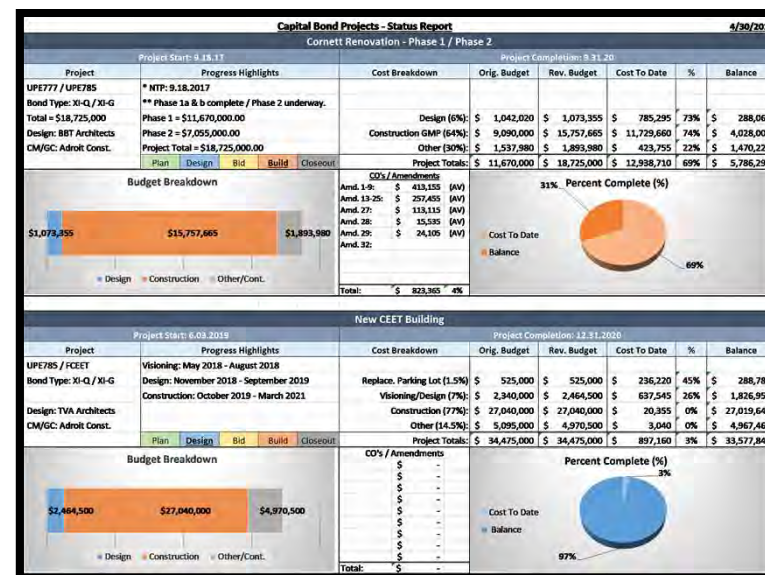
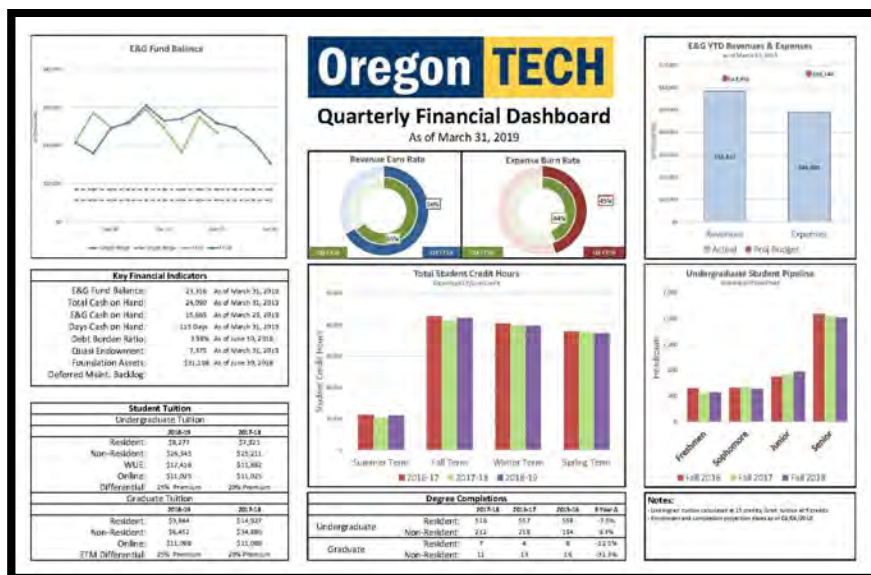
Presentation Formats - Bucknell



Presentation Formats – Oregon Tech Foundation



Presentation Formats – Finance & Facilities

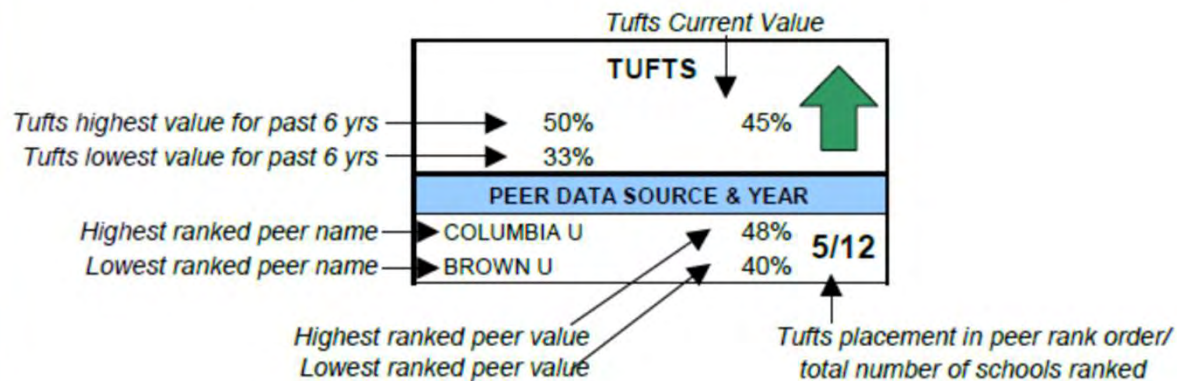


Presentation formats - Tufts



Incorporating Peer Data Into the Tufts Dashboard

Example of Tufts Peer Dashboard Layout:



THANK YOU!

