

Engineering Self-Study Questions

Curriculum, Articulation, Transfer: Are our courses sufficient? Aligned?

Retention: Why do we lose students Year 1 to Year 2? How can we improve?

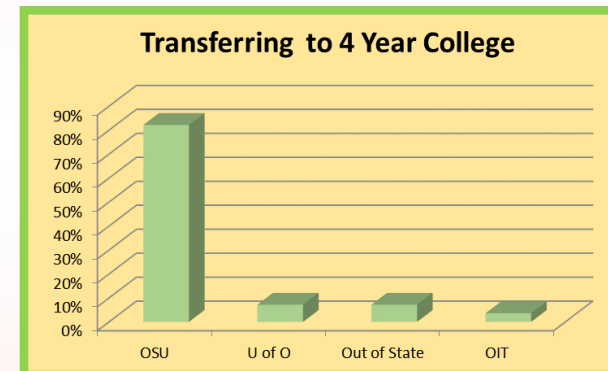
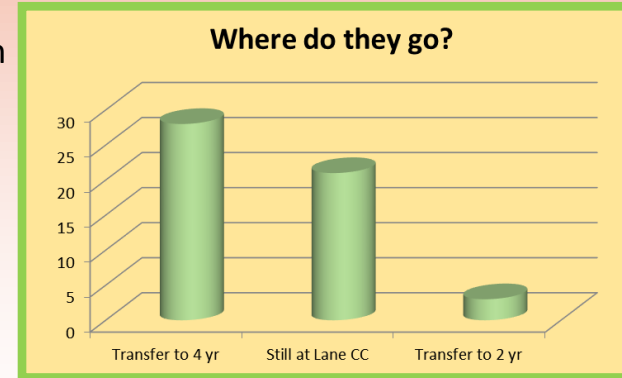
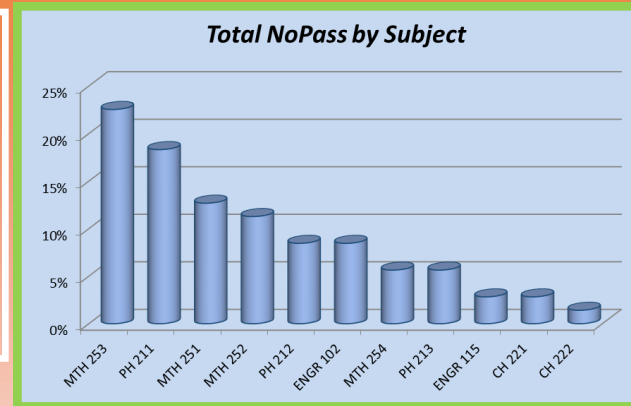
What are the **scheduling** pathways, scheduling and student course-taking patterns?

Core learning **outcomes**: How are student learning outcomes mapped across the engineering curriculum?

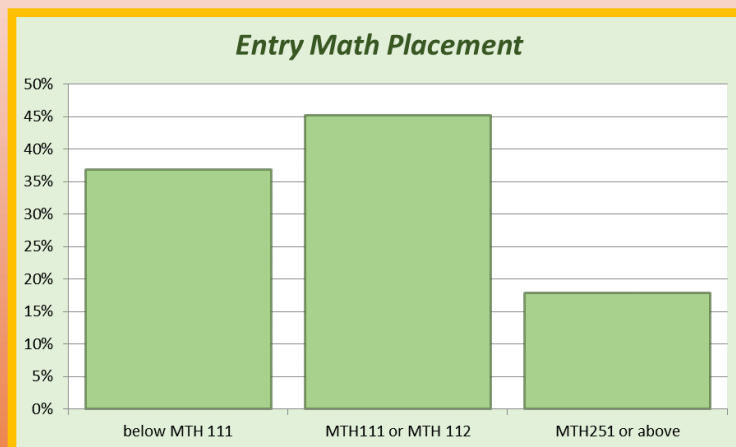
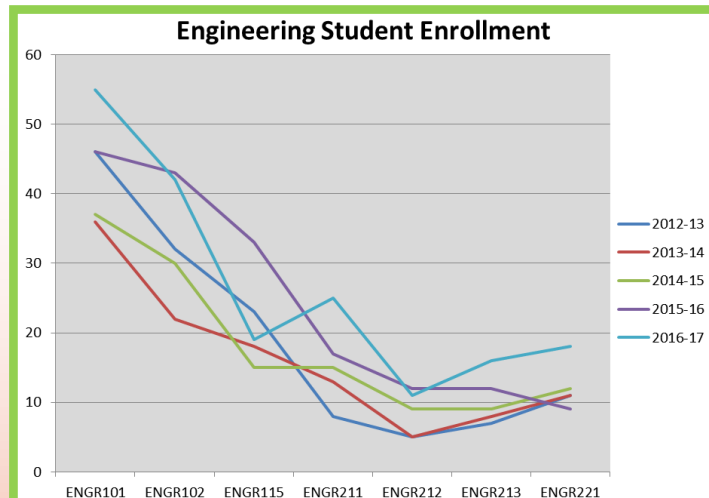
Outreach: How can we improve our marketing to students?

Core Themes and Academic Program Review

Inquiry Approach:
Looking at the data for engineering students



Initial Evaluations:
mapping out master scheduling plans for engineering students (below)



ENGINEERING PROGRAM										Master Plan - Option A										
Term: Fall 2018					Term: Win 2019					Term: Spr 2019					Term: Fall 2019					
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10:00 - 10:30	MTH 251, 252, 253, 254	MTH 201, 202					CH 222 & 242	ENGR 101, ENGR 221					MTH 251, 252, 253, 254	MTH 231, 232, 233, 234, 254	CH 223 & 243	ENGR 101, ENGR 221				10:00 - 10:30
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Total Credits: 0										Total Credits: 0										

Emerging Recommendations

Look at **other transfer programs'** curriculum beside OSU's.

Compare course objectives, topics, texts, labs and projects from 4-year institutions' syllabi

Map course objectives to **Core Learning outcomes**.

Develop **on-line** or hybrid platforms for courses.

Investigate **OERs** or other low cost options

Re-evaluate Lanes calculus sequence and the reform calculus curriculum.

Increase **outreach** to the community through marketing or partnering with local businesses and colleges.

Improve data collection for future improvements by tracking students from Lane through transfer and career

Investigate other engineering course offerings such as ENGR 221 at Lane.

Investigate students' enrollment first and second year at **other community colleges** to benchmark Lane CC. Also look into best practices for high achieving schools.

Look into other **best practices** such as clubs, competitions, and student organizations.

Interview **current and former students** for feedback.

LCC Engineering Transfer Course of Study

Our program has more than 30 years of proven success in preparing engineering students for upper division study at universities throughout the country. We offer high quality instruction at low cost. Classes are small and provide personal attention by experienced faculty.

Interested?

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<https://www.lanecollege.edu/math/engineering/what-engineering>


Eugene, Oregon
Apr 2018

Is Engineering for you?

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