

# Departmental Outcomes Assessment Report



## For: Engineering

The overall assessment shows that 6 assessments for students over 44 credits (2nd year students) were 28% successful, while those under 45 were 38% successful. This demonstrates that there is plenty of room for improvement to take place, but a deeper analysis will need to take place by the department to either find the inconsistencies or the deficiencies. With that, you can then work to improve either the assessment process or the instruction/curriculum.

When compared to the assessment averages, the average of the student over all GPAs is consistently higher. This is totally fine. The assessment is (and should be) uncompromising in academic standard, since lower scores do not impact students and more effectively point to improvement of program instruction/curriculum. At any time, we can and need to involve adjuncts with learning outcomes assessment.

As you look at the results, both individually and with stakeholders, please start the conversation to address the following points. We can wrap up the conversation at the end of the year or the beginning of next (when we have spring term results):

1. Do the data adequately inform student success on the outcomes and sub-outcomes?
2. Do the data combine with the outcomes and sub-outcomes to present an accurate aggregate picture of student learning?
3. Are the outcomes “actionable?” That is, once you are provided with adequate data, how confident are you that the results will show and then guide instructional/curricular improvements?

## Year and Term: Fall, 2014

### **CET-AAS-1 - Students will be able to operate computer drafting software, perform property surveys, estimate construction costs, and communicate graphically using industry terminology.**

CET-AAS-1.A - Can students operate CAD?

Course Assessed: DRF112-06

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Students over 44 credits-earned average: 51

Students over 44 credits assessed for CET-AAS-1.A: 1	Over 44 credits pass rate: 0%	Avg GPA: 2.88
Students under 45 credits assessed: 4	Under 45 credits pass rate: 42%	Avg GPA: 2.26

Students over 44 credits assessed for outcome CET-AAS-1: 1	Over 44 credits pass rate: 0%
Students under 45 credits assessed for outcome CET-AAS-1: 4	Under 45 credits pass rate: 42%

### **CET-AAS-3 - Students will be able to select appropriate materials based on engineering qualities.**

CET-AAS-3.C - Can students identify and complete a design based on best use of materials?

Course Assessed: DRF112-06

**CET-AAS-3.C - Can students identify and complete a design based on best use of materials?**

**Students over 44 credits-earned average: 51**

Students over 44 credits assessed for CET-AAS-3.C: 1      Over 44 credits pass rate: 0%      Avg GPA: 2.88  
Students under 45 credits assessed: 4      Under 45 credits pass rate: 33%      Avg GPA: 2.26

Students over 44 credits assessed for outcome CET-AAS-3: 1	Over 44 credits pass rate: 0%
Students under 45 credits assessed for outcome CET-AAS-3: 4	Under 45 credits pass rate: 33%

**Year and Term: Winter, 2015**

**CET-AAS-2 - Students will be able to solve problems using collaborative and technical skills.**

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**CET-AAS-2.B - Can students work, communicate, and collaborate in a teamwork environment?**

Course Assessed: **ET261-01**

Over 44 credits scoring 02 or higher: 2

Students over 44 credits assessed for CET-AAS-2.B: 2      Over 44 credits pass rate: 67%      Avg GPA: 3.01

**CET-AAS-2.C - Can students use research-based methods to support design solutions**

Course Assessed: **ET261-01**

Over 44 credits scoring 02 or higher: 0

Students over 44 credits assessed for CET-AAS-2.C: 2      Over 44 credits pass rate: 17%      Avg GPA: 3.01

**Students over 44 credits-earned average: 152**

Students over 44 credits assessed for CET-AAS-2: 4      Over 44 credits pass rate: 42%      Avg GPA: 3.01

Students over 44 credits assessed for outcome CET-AAS-2: 4	Over 44 credits pass rate: 42%
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Total students over 44 credits assessed: 6      Over 44 credits overall pass rate: 28%  
Total students under 45 credits assessed: 8      Under 45 credits overall pass rate: 38%