

**Program & College-Wide Assessment Report North Central State College - Mechanical Engineering Technology  
Data from Academic Year Fall 2016 & Spring 2017**

College-Wide Outcomes	College-Wide Outcome Data Gathering Details	College-Wide Outcome Results	Discussion of College-Wide Results/Improvement Items	Program Outcome	Program Outcomes Data Gathering Details	Program Outcome Results	Discussion of Program Results Improvement Items
<b>Double click on the radio box <input type="checkbox"/> for the College-Wide outcome you are addressing in the second row.</b>	<b>Please note: Anywhere your syllabi display a college-wide outcome assessment, you must deploy the VALUE rubric for that outcome in the semester the course is taught.</b>	<b>What % of your students reached the benchmark? Please include the "N" - number of students within the sample.</b>	<b>Identify how results are used and shared. List any recommendations or action items.</b> *	<b>Please state the program outcomes with proper blooms verbs for graduation level skill.</b>	<b>This is where you will plan which courses/assignments the outcomes will be assessed in, what the benchmark should be, and which faculty member will gather the data</b>	<b>What % of your students reached the benchmark? Please include the "N" - number of students within the sample.</b>	<b>Identify how results are used and shared. List any shifts in teaching, changes to curriculum in light of the data.</b> *
<input checked="" type="checkbox"/> Critical Thinking <input type="checkbox"/> Oral Communication <input type="checkbox"/> Written Communication <input type="checkbox"/> Information Literacy <input type="checkbox"/> Intercultural Knowledge <input type="checkbox"/> Quantitative Literacy <input type="checkbox"/> Professional Skills	MECT 2910 Mechanical Design Project  This course did not run during 2016-2017	<u>2016-2017</u> Data was collected in MECT1150. This is a first semester course 100% met the benchmark. N=1  <u>2015-2016</u> No Data <u>2014-2015</u> Introductory 67% N=43 Mastery 77% N=22 <u>2013-2014</u> 75% N=12		Demonstrate the programming of two types of industrial robots	<b>Course:</b> ELET 1710 <b>Assessment:</b> Final <b>Benchmark:</b> Grade of C or better <b>Faculty:</b> Mike Beebe	95% of students met benchmark 38 students	The final grade included labs, individual programming quizzes, and final of two different industrial robots. Will review, for next reporting period, if using only the grades from the individual assignment may get better.
<input type="checkbox"/> Critical Thinking <input checked="" type="checkbox"/> Oral Communication <input type="checkbox"/> Written Communication <input type="checkbox"/> Information Literacy <input type="checkbox"/> Intercultural Knowledge <input type="checkbox"/> Quantitative Literacy <input type="checkbox"/> Professional Skills	MECT 2910 Mechanical Design Project  This course did not run during 2016-2017	<u>2016-2017</u> No Data collected  <u>2015-2016</u> No Data <u>2014-2015</u> No Data <u>2013-2014</u> No Data		Properly select materials based on their physical properties	<b>Course:</b> MECT2230 <b>Assessment:</b> Final Exam <b>Benchmark:</b> Grade of C or better <b>Faculty:</b> Mike Beebe	84% of students met benchmark 32 students	Using Midterm the percent has increase from last report. The midterm will be for evaluation for the next report as well. It will be necessary to review and update as necessary testing to reflect the requirement. Did not teach this course.
<input type="checkbox"/> Critical Thinking <input type="checkbox"/> Oral Communication <input checked="" type="checkbox"/> Written Communication <input type="checkbox"/> Information Literacy <input type="checkbox"/> Intercultural Knowledge <input type="checkbox"/> Quantitative Literacy <input type="checkbox"/> Professional Skills	MECT 2910 Mechanical Design Project  This course did not run during 2016-2017	<u>2016-2017</u> No Data collected  <u>2015-2016</u> No Data <u>2014-2015</u> No Data <u>2013-2014</u> No Data		Properly select machine elements using analysis of stresses and properties for structures, frames, beams and columns.	<b>Course:</b> MECT2440 <b>Assessment:</b> Final Exam <b>Benchmark:</b> Grade of C or better <b>Faculty:</b> Mike Beebe	100% of students met benchmark 12 students	Used the final exam grades, only had a small sample size. Will examine on next report testing results and determine any changes needed. Did not teach this course.
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<input type="checkbox"/> Critical Thinking <input type="checkbox"/> Oral Communication <input type="checkbox"/> Written Communication <input type="checkbox"/> Information Literacy <input checked="" type="checkbox"/> Intercultural Knowledge <input type="checkbox"/> Quantitative Literacy <input type="checkbox"/> Professional Skills	MECT 2910 Mechanical Design Project  This course did not run during 2016-2017	<u>2016-2017</u> No Data collected  <u>2015-2016</u> No Data <u>2014-2015</u> No Data <u>2013-2014</u> No Data		Demonstrates an understanding of project management of a project	<b>Course:</b> MECT2910 <b>Assessment:</b> Final Grade <b>Benchmark:</b> Grade of C or better <b>Faculty:</b> Mike Beebe	100% of students met benchmark 15 students	Will review assessments for this course to determine if improvements are needed for next reporting period.
<input type="checkbox"/> Critical Thinking <input type="checkbox"/> Oral Communication <input type="checkbox"/> Written Communication <input type="checkbox"/> Information Literacy <input type="checkbox"/> Intercultural Knowledge <input checked="" type="checkbox"/> Quantitative Literacy <input type="checkbox"/> Professional Skills	MECT 2910 Mechanical Design Project  This course did not run during 2016-2017	<u>2016-2017</u> No Data collected  <u>2015-2016</u> No Data <u>2014-2015</u> No Data <u>2013-2014</u> No Data					

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Peach shading- College-wide Outcomes

Green Shading- Program Outcomes

Red asterisk - CRITICAL TO ADDRESS