

**Program & College-Wide Assessment Report North Central State College - Bioscience**  
**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>*</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> <b>*</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	<b>Course:</b> BIOS 2530 Genetics <b>Benchmark:</b> 14 or Higher <b>Faculty:</b> Levitt <b>No. of Sections:</b> 1	93% of the students achieved the CWO benchmark of 14. N= 14  <u>2015-2016</u> – No Data <u>2014-2015</u> – 96% N=27 <u>2013-2014</u> No Data		Students will collect, analyze and interpret data using the scientific method.	Course: BIOS 2410 Assessment: Selected portions of Scientific Term Paper Benchmark: C of Higher Faculty: Levitt	75% of Students met benchmark. 16 Students	This could have been closer to 100% however the lower overall grade in this section were due to attendance/not being present to initially collect the data which leads to lower grades on analysis and interpretation as well. The students that did not meet the benchmark typically scored lower on other assignments and exams than their classmates that exceeded the benchmark.
<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	Course: BIOS 2590 Benchmark: 14 or Higher Faculty: Levitt No. of Sections: 1	91% of the students achieved the CWO benchmark of 14. N= 11  2015-2016 – No Data 2014-2015 – 100% N=14 2013-2014 – 33% N=6		Students will calculate, analyze, solve, interpret, and graph quantitative data.	Course: BIOS 2550 Assessment: Unknown Benchmark: C or higher Faculty: Urban	Unknown number of students met benchmark. 14 students	Due to inability to contact the previous instructor, I was unable to determine what assignment (if any) was used for assessment of this outcome. In addition, there was no information in Canvas to identify individual assignments, let alone the one used for assessment. There were multiple instances where classes were canceled throughout the semester. I will create an assignment for the next course offering to properly assess this program outcome.
<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	Course: BIOS 2410 Benchmark: 14 or Higher Faculty: No. of Sections:	2016-2017 – No Data  2015-2016 89% N=9 2014-2015 – 93% N=14 2013-2014 No Data	This course did not run during academic year 2016-2017	Students will demonstrate the ability to research and communicate (visually, orally and in writing) credible scientific information from a variety of sources.	Course: BIOS 2410 Assessment: Selected portions of Scientific Term Paper Benchmark: C or higher Faculty Levitt	75% of Students met benchmark. 16 Students	I would have expected closer to 100% of students would have met this benchmark since this paper was the final write up of the semester long project. One student did not turn in the term paper and eventually failed out of the program.
<input type="checkbox"/> Critical Thinking <input type="checkbox"/> Oral Communication <input type="checkbox"/> Written Communication <input checked="" type="checkbox"/> Information Literacy <input type="checkbox"/> Intercultural Knowledge <input type="checkbox"/> Quantitative Literacy <input type="checkbox"/> Professional Skills	Course: BIOS 1010 Benchmark: 14 or Higher Faculty: Levitt No. of Sections: 2	2016-2017 – No Data  2015-2016 – No Data 2014-2015 – No Data	No Data was collected in either section. One section was on campus. One section was at Ashland/West Holmes	Students will demonstrate competence in standard laboratory techniques and use of technology and equipment.	Course: BIOS 1010 Assessment: Lab Final Exam Benchmark: C or Higher Faculty: Levitt/Elderbrock	80% of Students met the benchmark. 15 Students	Three students did not get a C or higher on the final lab exam. They were students that took the course at the Ashland County West Holmes Career Center. The other students that took the course at ACWHCC exceeded the benchmark. However, based upon faculty observation, it has been noted during the Fall 2017 BIOS 2410 Advanced Bioscience Techniques course that these students have displayed poorer lab skills than the students that took the course at NCSC (all

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		2013-2014 No Data					of which exceeded the benchmark). I anticipate that this issue will be resolved as the course is now exclusively offered here at NCSC. I am considering moving this assessment to the BIOS 2410 course as it is the advanced techniques course and it will provide an additional opportunity to assess additional laboratory skills the students will accumulate in the program.
<div><input type="checkbox"/> Critical Thinking</div> <div><input type="checkbox"/> Oral Communication</div> <div><input type="checkbox"/> Written Communication</div> <div><input type="checkbox"/> Information Literacy</div> <div><input checked="" type="checkbox"/> Intercultural Knowledge</div> <div><input type="checkbox"/> Quantitative Literacy</div> <div><input type="checkbox"/> Professional Skills</div>	Course: BIOS 2590 Benchmark: 17 or Higher Faculty: Levitt No. of Sections: 1	93% of the students achieved the CWO benchmark of 17. N= 14  2015-2016 – No Data 2014-2015 – No Data 2013-2014 No Data	One student did not participate				
<div><input type="checkbox"/> Critical Thinking</div> <div><input type="checkbox"/> Oral Communication</div> <div><input type="checkbox"/> Written Communication</div> <div><input type="checkbox"/> Information Literacy</div> <div><input type="checkbox"/> Intercultural Knowledge</div> <div><input checked="" type="checkbox"/> Quantitative Literacy</div> <div><input type="checkbox"/> Professional Skills</div>	Course: BIOS 2530 Benchmark: 17 or Higher Faculty: Levitt No. of Sections: 1	85% of the students achieved the CWO benchmark of 17. N= 13  2015-2016 – No Data 2014-2015 – No Data 2013-2014 No Data	One student did not participate				
<div><input type="checkbox"/> Critical Thinking</div> <div><input type="checkbox"/> Oral Communication</div> <div><input type="checkbox"/> Written Communication</div> <div><input type="checkbox"/> Information Literacy</div> <div><input type="checkbox"/> Intercultural Knowledge</div> <div><input type="checkbox"/> Quantitative Literacy</div> <div><input checked="" type="checkbox"/> Professional Skills</div>							

Peach shading- College-wide Outcomes

Green Shading- Program Outcomes

Red asterisk - CRITICAL TO ADDRESS