Program Outcome and Assessment(s)
2020-21 Program Outcome Assessments Year-End Reporting Form
Program Review Cycle - 2018-19

In response to SACSCOC 8.2, *"The institution identifies expected outcomes, assesses the extent to which it achieves these outcomes, and provides evidence of seeking improvement based on analysis of the results …"*

Name of Program: Mechatronics Engineering Technology

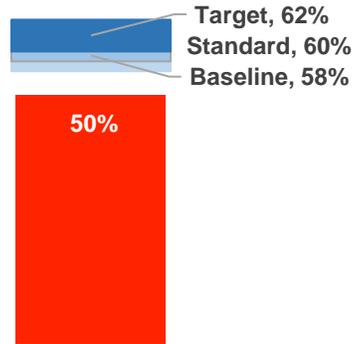**Program Outcome #1: Program Retention, Fall to Fall**

Baseline: 58 % (*Average of two years –2015-16; 2016-17; fall-to-fall program retention*)
Standard: 60 % Fall to Fall
Target: 62 % Fall to Fall

2020-2021 Action / Strategy Items:

Item #	Action / Strategy Items: *(Actions / strategies identified in the 2019-20 program outcome assessment follow-up.)*	Results / Use of Results: *(Provide results of the action / strategy identified. Was the action / strategy successful? How do you know?)*
1	Continue to address the benefits of program completion as well as introducing the program to high school students through campus visits.	Discussed with students during advisement periods the importance of completing certificates and degrees. Program saw a slight decrease in retention as a result of courses going online and the impact of the pandemic.

Year (Fall to Fall)	Program Fall Enrollment Cohort	Program Completers	Program Retained	Program Stop Outs (non-completers)	Program Transfers	Program Retention
Fall 2017-Fall 2018	21	5	11	2	3	76.2%
Fall 2018-Fall 2019	21	4	11	6	0	71.4%
Fall 2019-Fall 2020	20	4	6	9	1	50%

In 2019-20, Mechatronics Engineering Technology did not meet their baseline, standard, or target.

Target, 62%
Standard, 60%
Baseline, 58%

50%

Provide narrative for analysis of program retention data *(Based on the data, provide a narrative of your analysis of fall to fall retention. Indicate factors that may have affected your retention. State any changes you plan to make to improve retention.)*

Many factors influenced the increase in non-completers. Those factors were courses going online for a period of time, working students hours increasing, and the nature of the pandemic impacting participation.

Provide narrative for analysis of program retention standard/target *(As a result of the data analysis, indicate changes to the standard or target. Did you meet your standard/target? State any changes you plan to make for continuous improvement.)*

Even though we did not meet our standard and baseline this past year, we will not change them at this time. Looking at our average, we feel that they are still practical. We are planning to create a better presence on social media and other marketing campaigns which we will feel will impact participation and completion rates.

2021-2022 Action / Strategy Items:
(Identify and address outcome assessments that fall below the established standard and/or target and additional recommendations resulting from the review.)

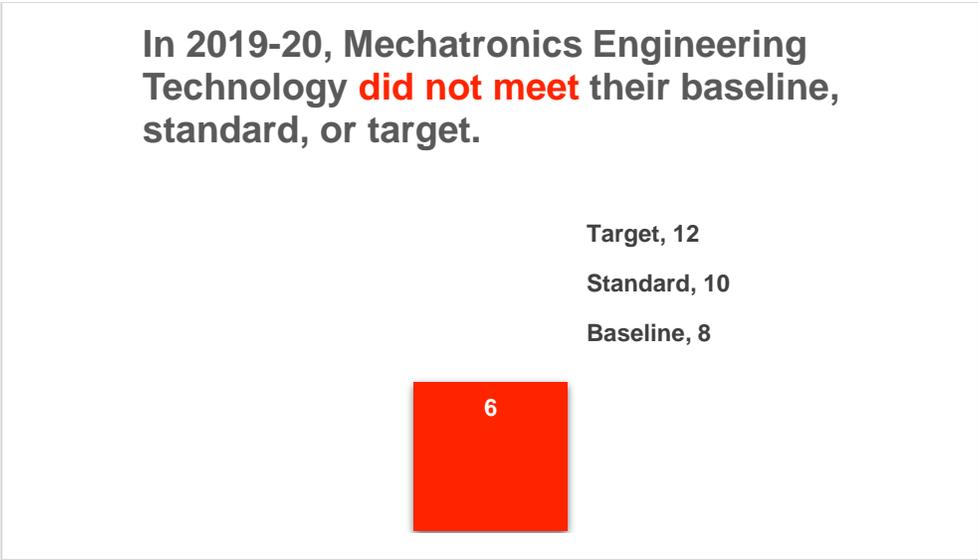| Item	Action / Strategy Items *(Identify action items as a result of your program outcome assessment.)*	Target Date *(Identify your projected target date for completion of action items.)*	Assessment of Action Items *(How will you assess the results of action items?)*
1	Continue to encourage students the importance of completing the program.	Spring 2022	By directly talking with the students and making sure they are on track and motivated about completing the degree, diploma, and certifications.

Program Outcome #2: Completions (*unduplicated*) (Degree level, highest level of attainment)

Baseline: 8 # (*Average of total completers for two years –2016-17; 2017-18*)
Standard: 10 #
Target: 12 #

2020-2021 Action / Strategy Items:

Item #	Action / Strategy Items: *(Actions / strategies identified in the 2019-20 program outcome assessment follow-up.)*	Results / Use of Results: *(Provide results of the action / strategy identified. Was the action / strategy successful? How do you know?)*
1	Provide students with clear expectations of the work and effort needed to be successful in the program and to be able to gain employment	Although we did not meet the standard at this time, we will continue to communicate with the students and encourage them to be successful in the program. We will continue the strategy at this time.

Number of Completers *(unduplicated) – Graduation Year – Summer, Fall, Spring*				
Graduation Year	Associate	Diploma	Certificate	Total
2017-2018	5		5	10
2018-2019	4		7	11
2019-2020	4		2	6

In 2019-20, Mechatronics Engineering Technology **did not meet** their baseline, standard, or target.

Target, 12

Standard, 10

Baseline, 8

6

Provide narrative for analysis of completers *(Based on the data, provide a narrative of your analysis of completions. Indicate factors that may have affected your completions. How might you increase the number of completers in your program?)*

Our baseline and standard was not met by us communicating with the students and encouraging them to continue to be successful in the program. Although the target was not met this past year, we will not change them at this time. We see that the target was not met because the student numbers was lower than the previous years. We will continue to recruit in an online format due to Covid-19.

Provide narrative for analysis of completion standard/target *(As a result of the data analysis, indicate changes to the standard or target. Did you meet your standard/target? State any changes you plan to make for continuous improvement.)*

We did not meet our standard or our Target. We will start with a heavy emphasis on recruiting in an online format for now. We hope to start traveling to high schools local to Wayne Community College like we were doing in the early Spring of 2019. We will see a rise in students being more successful with a higher number of students starting the program.

2021-2022 Action / Strategy Items:
(Identify and address outcome assessments that fall below the established standard and/or target and additional recommendations resulting from the review.)

Item	Action / Strategy Items *(Identify action items as a result of your program outcome assessment.)*	Target Date *(Identify your projected target date for completion of action items.)*	Assessment of Action Items *(How will you assess the results of action items?)*
1	Help students be more successful in the program by making sure they understand what is expected.	Spring 2021	Speaking with the students every week with encouraging and helping them understand the layout of the program and what is to be expected to become successful.

Program Outcome #3: Job Placement / Employment

This assessment was recommended for deletion due to the lack of a standardized method of measurement. The Planning Council approved the deletion on September 24, 2020.

Program Outcome #4: Licensure and Certification Passing Rates (if applicable) (NCCCS Performance Measure)

Baselines were set based upon WCC's average college performance of the measure. Standards and targets were set using WCC's performance of the NCCCS Performance Measure results and are the same as those set in the WCC Strategic Plan for Institutional Effectiveness.

Baseline: N/A % (*Average of three years – identify last three licensure years*)
Standard: N/A %
Target: N/A %

2020-2021 Action / Strategy Items:

Item #	Action / Strategy Items: *(Actions / strategies identified in the 2019-20 program outcome assessment follow-up.)*	Results / Use of Results: *(Provide results of the action / strategy identified. Was the action / strategy successful? How do you know?)*
1	Not applicable.	

Licensure / Certification Exam – (Title of License or Exam)

NCCCS Report	Exam Year	# Tested	# Passed	% Passing	Index Score
2017	2015-16				
2018	2016-17				
2019	2017-18				
2020	2018-19				

Provide narrative for analysis of licensure / certification passing rates data *(Based on the performance measure data, provide a narrative of your analysis of licensure / certification. Are you satisfied with your program licensure or certification rates? State any changes you plan to make for continuous improvement.)*

Not applicable.

Provide narrative for analysis of licensure / certification passing rates standard/target *(Standards and targets were set using WCC's performance of the NCCCS Performance Measure results and are the same as those set in the WCC Strategic Plan for Institutional Effectiveness.)*

Not applicable.

2021-2022 Action / Strategy Items:
(Identify and address outcome assessments that fall below the established standard and/or target and additional recommendations resulting from the review.)

Item	Action / Strategy Items *(Identify action items as a result of your program outcome assessment.)*	Target Date *(Identify your projected target date for completion of action items.)*	Assessment of Action Items *(How will you assess the results of action items?)*
1	Not applicable.		

Program Outcome #5: Third-Party Credentials (if applicable)

This assessment was recommended for deletion due to the lack of a standardized method of measurement. The Planning Council approved the deletion on September 24, 2020.

Program Outcome #6: Other Assessment (if applicable)

Analysis of other assessments. *(Have you performed other assessments to evaluate the effectiveness of your program, to include surveys, self-assessments, or other assessment instruments used to evaluate the program. If so, please explain how information collected from the(se) assessments will be used to improve the program.)*

2020-2021 Action / Strategy Items:

Item #	Action / Strategy Items: *(Actions / strategies identified in the 2019-20 program outcome assessment follow-up.)*	Results / Use of Results: *(Provide results of the action / strategy identified. Was the action / strategy successful? How do you know?)*
1	Not applicable.	

2021-2022 Action / Strategy Items:
(Identify and address outcome assessments that fall below the established standard and/or target and additional recommendations resulting from the review.)

Item	Action / Strategy Items *(Identify action items as a result of your program outcome assessment.)*	Target Date *(Identify your projected target date for completion of action items.)*	Assessment of Action Items *(How will you assess the results of action items?)*
1	Not applicable.		