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:	Associate in Engineering

Program Outcome #1: Program Retention, Fall to Fall
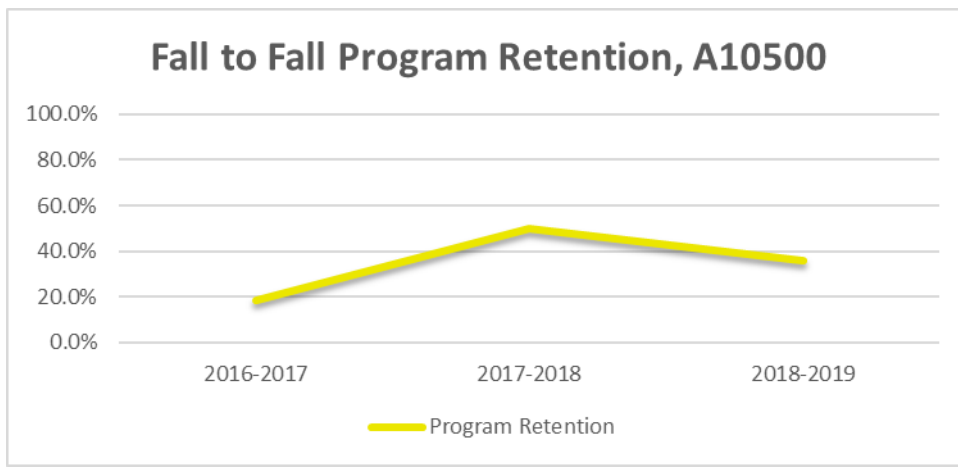
Baseline: 34.6 % (*Average of three years – 2016-17; 2017-18; 2018-19; <u>fall-to-fall</u> program retention*)
                     New program 2016-17
Standard: 35.3 % Fall to Fall *(2% increase from baseline)*
Target: 36.0 % Fall to Fall *(2% increase from standard)*

2019-2020 Action / Strategy Items:

Item #	Action / Strategy Items: *(Actions / strategies identified in the 2018-19 year-end report.)*	Results / Use of Results: *(Provide results of the action / strategy identified. Was the action / strategy successful? If not, did you want to continue this action / strategy going forward? If so, please include this action / strategy in the 2020-21 action / strategies table below.)*
1	The Arts & Sciences Division will continue implementing the OnPoint Student Success Based Advising Initiative.	OnPoint is now in it's 4th whole year. With the exception of new faculty hired this academic year, 100% of faculty have taught at least one ACA 122 section and advised those students for three semesters or until they have a 2.6 GPA
2	The Arts & Sciences Division will continue using Aviso Retention Software as part of OnPoint.	As part of OnPoint, the Arts & Sciences Division has continued using Aviso Retention Software. However, beginning last summer, the college began implementing Self-Service through Webadvisor. At this point, Aviso duplicates the academic planning piece of Self-Service which we are required to use as our registration infrastructure. Aviso is still utilized for early alerts and texting students - both of which Self-Service does not have.
3	A Semester to Semester Persistence Risk Indicator will be added to Aviso Retention starting in the fall 2019 semester.	The Semester to Semester Persistence Risk Indicator identifies students, based on historical and current student data, who are at-risk of not enrolling in subsequent semesters. Of the 642 Arts & Sciences enrolled during the Fall 2019

		semester who were identified as being medium or high risk for not persisting, 410 (63.8%) enrolled in courses for the Spring 2020 and/or Summer 2020 semester. This data serves as a baseline for this population of students for future assessment cycles.

Year (Fall to Fall)	Program Fall Enrollment Cohort	Program Completers	Program Returners	Program Non-Completers	Program Transfers	Program Retention
Fall 2016-Fall2017	22	0	4	13	5	18.2%
Fall 2017-Fall 2018	22	4	7	10	1	50.0%
Fall 2018-Fall 2019	28	0	10	18	0	35.7%

Fall to Fall Program Retention, A10500

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 address for next year that may affect retention.)*

The Associate in Engineering degree is a recently new program. During that time, it has employed two different engineering faculty. The AE degree only requires one engineering course. Many students use the AE degree as a platform to complete their math requirements (Calc. I, II, III) and science requirements (CHM and PHY I & II) and then transfer to their desired four university. In addition, for the reasons listed above, the AE degree is a difficulty degree. Many students come to WCC without the prerequisites to enter the minimum math and science. Since the AE degree is heavy with prerequisites and corequisites, many students struggle. With that said, WCC has recently partnered with East Carolina University to offer scholarship opportunities to potential engineering students. These scholarships will potentially offer up to $3,000 while students are at WCC and a potential $10,000 if the student transfers to ECU. In addition to the S STEM opportunity, AE students are also part of our Quality Enhancement Plan and our retention software (Aviso). All AE students have an assigned advisor and achievement coach.

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? If you met your standard/target, what percentage would you like to increase your standard/target?)*

No changes at this time. The standard was met. More data is needed.

2020-2021 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 *(State the method of assessment; how you plan to evaluate/assess the results of the action items.)*
1	The Arts & Sciences Division will continue implementing the OnPoint Student Success Based Advising Initiative.	Fall 2021	Faculty will meet with the advisees to plan and make adjustments to their structured academic plan in Aviso.
2	The Arts & Sciences Division will continue using Aviso Retention Software as part of OnPoint.	Fall 2021	All students will utilize specific academic plans within Aviso.
3	A Semester to Semester Persistence Risk Indicator will be added to Aviso Retention starting in the fall 2019 semester.	Fall 2021	Advisers and newly hired Academic Success Coaches will utilize this indicator to focus interventions for those students most at-risk for not persisting to the next semester.