Liberal Arts and Sciences, AA
PROGRAM LEARNING OUTCOMES
The assessment of Program Learning Outcomes is not only a key indicator of program effectiveness, it is
also one of the standards of excellence identified by the Middle States Commission (Standard 5) and is
required through the SUNY assessment initiative.
Current Program Learning Outcomes for Program as stated in Catalog
Upon completion, students will:
1. Use the methods employed by scientists to explore natural phenomena, including observation,
hypothesis development, measurement and data collection, experimentation, evaluation of
evidence and employment of mathematical analysis
2. Apply scientific data, concepts and models in one or more of the natural sciences
3. Produce coherent texts within common college-level written forms
4. Research a topic and develop an argument with supportive details
5. Perform basic operations of personal computer use
6. Understand at least one principal form of artistic expression and the creative process inherent
therein
7. Have knowledge of the conventions and methods of at least one of the humanities
8. Have knowledge of major concepts, models and issues of at least one discipline in the social
sciences
As students enrolled in the LAS curriculum have a variety of goals as evidenced by the wide range of
transfer majors, they cannot be expected to have the same skill sets beyond General Education.
Therefore, the Student Learning Outcomes for this program are the SUNY General Education standards
for the Liberal Arts disciplines required in the minimum degree requirements. Students in this
curriculum are a cross section of NCCC students and are not expected to be different from the average
student in academic achievements. Therefore, the standards for student performance are the same as
those set for assessment of SUNY General Education at NCCC. However, then Gen Ed assessment
process assesses all students, not just those in the LAS program. Therefore, the Curriculum Map below
shows the success rate for students enrolled in the LAS program in all classes that satisfy one of the
Program Outcomes. Please note that the success rate for Gen Ed assessment is 70%, and that all

Program Learning Outcome Rubric

Liberal Arts and Sciences, AA

 Criterion
Program Learning Outcomes

Sample
Assessment Measure
Does Not Meet
Standard
Grade: F
(number of
students)
Approaches
Standard
Grade range: D-to C- (number of
students)
Meets Standard

Grade range: C to
A- (number of
students)
Exceeds Standard

Grade: A
(number of
students)
1. Students will use the
methods employed by
scientists to explore natural
phenomena, including
observation, hypothesis
development, measurement
and data collection,
experimentation, evaluation
of evidence and
employment of
mathematical analysis.
Completion of a
laboratory science
course.
695 256 1175 432
2. Students will apply
scientific data, concepts and
models in one or more of
the natural sciences.
Completion of a
laboratory science
course.
695 256 1175 432
3. Students will produce
coherent texts within
common college-level
written forms.
Completion of the ENG
101 course.
251 54 396 255
4. Students will research a
topic and develop an
argument with supportive
details.
Completion of ENG
102/103 course.
15 61 190 126
5. Students will perform
basic operations of personal
computer use.
Completion of 3 credit
hours of courses with
prefixes CIS or CPS.
151 29 160 311

Criterion
Program Learning Outcomes

Sample
Assessment Measure
Does Not Meet
Standard
Grade: F
(number of
students)
Approaches
Standard
Grade range: D-to C- (number of
students)
Meets Standard

Grade range: C to
A- (number of
students)
Exceeds Standard

Grade: A
(number of
students)
6. Graduates will
understand at least one
principal form of artistic
expression and the creative
process inherent therein
Completion of 3 credit
hours of courses with
SUNY ARTS General
Education designation.
45 18 124 172
7. Students will have
knowledge of the
conventions and methods of
at least one of the
humanities
Completion of 3 credit
hours of courses with
SUNY HUM General
Education designation.
33 12 100 50
8. Students will have
knowledge of major
concepts, models and issues
of at least one discipline in
the social sciences.
Completion of 3 credit
hours of courses with
SUNY SS General
Education designation.
479 199 991 608