

## **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 Outcomes show satisfactory rates of success.

The Curriculum Map does not adequately address the way the LAS program measures its Program Learning Outcomes. The chairperson of NCCC's General Education Committee does not recommend using the Gen Ed assessments that the committee uses, which are randomized selections of classes within a given Gen Ed area, so the LAS program uses a summative assessment of all LAS students within a given Gen Ed area as shown in Table 6, below

## Curriculum Map

<b>Courses Assessed</b>	<b>Program Learning Outcome</b>	<b>Assessment Methods</b>	<b>Overall Success Rate</b>
SUNY Approved General Education courses in the Natural Sciences	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.	Class assignments, essays, exams, lab report and exam portfolios, observational studies	73.00%
SUNY Approved General Education courses in the Natural Sciences	Students will apply scientific data, concepts and models in one or more of the natural sciences.	Class assignments, essays, exams, lab report and exam portfolios, observational studies	73.00%
ENG 101	Students will produce coherent texts within common college-level written forms.	Essays, Revision of Drafts, Reading Analysis, Class Discussion, Quizzes, Writing Portfolio	74.00%
ENG 102/103	Students will research a topic and develop an argument with supportive details.	Essays, Revision of Drafts, Reading Analysis, Class Discussion, Quizzes, Research Presentations, Writing Portfolio	76.00%
Classes with CIS or CPS prefix	Students will perform basic operations of personal computer use.	Class assignments, software tutorials, essays, quizzes, research journals, exams	77.00%
SUNY Approved General Education courses in the Arts	Graduates will understand at least one principal form of artistic expression and the creative process inherent therein.	Ensemble participation (public concert performance), exams, film critique (written by student), final performance or recital, final project, play critique (written by the student), portfolio review, practical evaluation, written assignments, written gallery critique (review of art gallery exhibit written by the students), written performance critique (concert review written by the student)	87.00%
SUNY Approved General Education courses in the	Students will have knowledge of the conventions and methods of at	Essays, exams, oral presentations, term papers, written gallery critique	83.00%

## Curriculum Map

<b>Courses Assessed</b>	<b>Program Learning Outcome</b>	<b>Assessment Methods</b>	<b>Overall Success Rate</b>
Humanities	least one of the humanities.	(review of art gallery exhibit written by student), written performance critique ( concert review written by the students)	
SUNY Approved General Education courses in the Social Sciences	Students will have knowledge of major concepts, models and issues of at least one discipline in the social sciences.	Class assignments, ethnography project, field notes, final project, group project with class presentation, quizzes, research paper, research proposal and literature search, tests	79.00%

## Program Learning Outcome Rubric

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Program Learning Outcomes	Sample Assessment Measure	Criterion			
		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

Program Learning Outcomes	Sample Assessment Measure	Criterion			
		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