# Assessment Plan

**Discipline:** Mathematics

**Degree:** Associate in Science

**Program Learning Outcomes:**
We expect that students who complete math classes at Bismarck State College can demonstrate the ability to:

1. select and utilize course content to solve problems at the appropriate level
2. model real world problems mathematically
3. communicate mathematical results and arguments clearly

**Assessment Cycle:**

|  | AY 2018-2019 | AY 2019-2020 | AY 2020-2021 | AY 2021-2022 |
|---|---|---|---|---|
| **Outcome #1** | A | R | A | R |
| **Outcome #2** | A | R | A | R |
| **Outcome #3** | A | R | A | R |
| **IELO – Quantitative Literacy** | A | R | A | R |

A = Assessment evidence collected
R = Reflect on data, action plan devised, prep year

**Program Learning Outcomes:**

We expect that students who complete math classes at Bismarck State College can demonstrate the ability to:

1. select and utilize course content to solve problems at the appropriate level
2. model real world problems mathematically
3. communicate mathematical results and arguments clearly

| | PROGRAM LEARNING OUTCOMES | | | IELO |
| --- | --- | --- | --- | --- |
| | **#1** | **#2** | **#3** | **Quantitative Literacy** |
| MATH 103 | X, A | X, A | X, A | X, A |
| MATH 104 | X | X | X | X, A |
| MATH 105 | X | X | X | X, A |
| MATH 107 | X | X | X | X, A |
| MATH 146 | X | X | X | X, A |
| MATH 165 | X, A | X, A | X, A | X, A |
| MATH 166 | X | X | X | X, A |
| MATH 208 | X | X | X | X |
| MATH 210 | X | X | X | X, A |
| MATH 220 | X | X | X | X |
| MATH 227 | X | X | X | X |
| MATH 265 | X | X | X | X |
| MATH 266 | X, A | X, A | X, A | X |
| MATH 277 | X | X | X | X |
| MATH 278 | X | X | X | X |

X = Material introduced, reinforced, and/or opportunity to practice

A = Assessment evidence collected (e.g., lab activity, exam, paper, assignment, etc.)