



## Program Assessment Report (PAR)

### Chemistry (CHM) Associate Degree

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ACADEMIC YEAR COVERED BY THIS REPORT: 2021-2022

#### I. PROGRAM LEARNING OUTCOMES

- \* Learning Outcome 1. Graduates will demonstrate a functional knowledge of inorganic and organic chemistry.
- \* Learning Outcome 2. Graduates will demonstrate competency in chemistry laboratory techniques.
- \* Learning Outcome 3. Graduate will demonstrate the ability to communicate chemical information in writing.

#### II. PROCEDURES USED FOR ASSESSMENT

##### A. Direct Assessment

- \* Learning Outcome 1. No direct assessment. Zero Chemistry (CHM) Associate Degree-seeking students in 2021-22.
- \* Learning Outcome 2. No direct assessment. Zero Chemistry (CHM) Associate Degree-seeking students in 2021-22.
- \* Learning Outcome 3. No direct assessment. Zero Chemistry (CHM) Associate Degree-seeking students in 2021-22.

##### B. Scoring of Student Work

- \* Learning Outcome 1. No scoring of student work. Zero Chemistry (CHM) Associate Degree-seeking students in 2021-22.
- \* Learning Outcome 2. No scoring of student work. Zero Chemistry (CHM) Associate Degree-seeking students in 2021-22.
- \* Learning Outcome 3. No scoring of student work. Zero Chemistry (CHM)

Associate Degree-seeking students in 2021-22.

### **C. Indirect Assessment**

- \* Learning Outcome 1. No indirect assessment. Zero Chemistry (CHM) Associate Degree-seeking students in 2021-22.
- \* Learning Outcome 2. No indirect assessment. Zero Chemistry (CHM) Associate Degree-seeking students in 2021-22.
- \* Learning Outcome 3. No indirect assessment. Zero Chemistry (CHM) Associate Degree-seeking students in 2021-22.

### **III. ASSESSMENT RESULTS/INFORMATION:**

- \* Learning Outcome 1. No direct or indirect assessments. Zero Chemistry (CHM) Associate Degree-seeking students in 2021-22.
- \* Learning Outcome 2. No direct or indirect assessments. Zero Chemistry (CHM) Associate Degree-seeking students in 2021-22.
- \* Learning Outcome 3. No direct or indirect assessments. Zero Chemistry (CHM) Associate Degree-seeking students in 2021-22.

No summary and analysis. Zero Chemistry (CHM) Associate Degree-seeking students in 2021-22.

[Analysis]

### **IV. ACTIONS TO IMPROVE STUDENT LEARNING**

- \* Of the seven students in CHM 2120 - Organic Chemistry II (Spring 2022):
  - \* 28.6% eligible for Chemistry (CHM) Associate Degree (71.4% lacked other degree requirements)
  - \* 100% matriculated into baccalaureate degree programs (71.4% - Integrated Science Studies, 14.3% - Medical Laboratory Science, 14.3% - Public Health)
- \* Of the 44 degree-seeking students in CHM 2120 (Spring 2014 - Spring 2021), 79.5% have graduated with baccalaureate degrees, 15.9% in-progress, 4.6% stopout
- \* Number of Chemistry (CHM) Associate Degree graduates (5-year average) - 1.0
- \* Recommendation is deactivation.

### **V. SUPPORTING DOCUMENTS**

Additional documentation, when provided, is stored in the internal Academic Program Assessment of Student Learning SharePoint site.