



## Program Assessment Report (PAR)

### Chemistry (CHM) Associate Degree

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**ACADEMIC YEAR COVERED BY THIS REPORT:** 2020-2021

#### 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 2020-21.
- \* Learning Outcome 2. No direct assessment. Zero Chemistry (CHM) Associate Degree-seeking students in 2020-21.
- \* Learning Outcome 3. No direct assessment. Zero Chemistry (CHM) Associate Degree-seeking students in 2020-21.

##### B. Scoring of Student Work

- \* Learning Outcome 1. No scoring of student work. Zero Chemistry (CHM) Associate Degree-seeking students in 2020-21.
- \* Learning Outcome 2. No scoring of student work. Zero Chemistry (CHM)

- Associate Degree-seeking students in 2020-21.
- \* Learning Outcome 3. No scoring of student work. Zero Chemistry (CHM) Associate Degree-seeking students in 2020-21.

### **C. Indirect Assessment**

- \* Learning Outcome 1. No indirect assessment. Zero Chemistry (CHM) Associate Degree-seeking students in 2020-21.
- \* Learning Outcome 2. No indirect assessment. Zero Chemistry (CHM) Associate Degree-seeking students in 2020-21.
- \* Learning Outcome 3. No indirect assessment. Zero Chemistry (CHM) Associate Degree-seeking students in 2020-21.

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

- \* Learning Outcome 1. No direct or indirect assessments. Zero Chemistry (CHM) Associate Degree-seeking students in 2020-21.
- \* Learning Outcome 2. No direct or indirect assessments. Zero Chemistry (CHM) Associate Degree-seeking students in 2020-21.
- \* Learning Outcome 3. No direct or indirect assessments. Zero Chemistry (CHM) Associate Degree-seeking students in 2020-21.

No summary and analysis. Zero Chemistry (CHM) Associate Degree-seeking students in 2020-21.

[Analysis]

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

- \* Of the eight students\* in CHM 2120 - Organic Chemistry II (Spring 2021):
  - \* 12.5% eligible for Chemistry (CHM) Associate Degree (87.5% lacked other degree requirements)
  - \* 87.5% matriculated into baccalaureate degree programs (62.5% - Integrated Science Studies, 25% - Chemistry, 12.5% - Biological Sciences), 12.5% stopout
- \* Of the 36 degree-seeking in CHM 2120 (Spring 2014 - Spring 2020), 88.9% have graduated with baccalaureate degrees, 8.3% in-progress, 2.8% stopout
- \* Number of Chemistry (CHM) Associate Degree graduates (5-year average) - 0.8
- \* Recommendation is deactivation

\*Nine students total in CHM 2120. One student was not a degree-seeking student.

## **V. SUPPORTING DOCUMENTS**

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