

## Program Assessment Report

Program: Respiratory Care - Associate in Applied Science

Year: 18/19

Division: Health and Wellness

Contact: Tim Heinz

## Delta College



### Actions Taken in Response to Last Year's Report

Results of the previous assessment showed that this threshold was met. Action was to continue to monitor and take action as needed.

We will continue to monitor and act as needed. No further action is required at this time.

Results of the previous assessment revealed this threshold was met. Action was to continue to monitor and take action as needed

### Rationale for Current Assessments

#### Assessment 1 of 3

### Goal / Project

Our graduates will meet or exceed 80% positive feedback from Graduate Satisfaction surveys.

### Outcome(s)

Describe and use Michigan legal standards and ethical standards consistent with the American Association for Respiratory Care code of ethics, including but not limited to, effective communication skills both written and verbal, honesty, integrity, compass

### Standard / Objective

*This objective is a requirement of CoARC to maintain accreditation.*

### Method of assessment

Capstone Demonstrations(s)

### Comment/Details about the method of assessment

Employed graduates are asked to complete Graduate Satisfaction surveys (furnished by CoARC) and submit those completed surveys to the Program Coordinator. The 2017 survey results, showed that all Graduate Satisfaction surveys returned (13 returned of 14 employed) met or exceeded expectations in all categories (100%).

### Courses Affected

All RT courses

### Time Frame

Winter 2017

### Submitted By

Tim Heinz

## Result

### Result

(2) Results met expectation/standard

Data Collection (general or specific stats regarding results)

Of the 14 employed graduates in 2017 13 surveys were returned (92%). Feedback received was 100% graduate satisfaction.

What We Learned (areas for improvements, strengths, etc.)

Students are very satisfied with the education that they receive from the Respiratory Care Program at Delta College.

Use of Data to Improve Student Success

Will continue to monitor and make changes as necessary.

Institutional Student Learning Outcome	Action plan items of what is planned based on the data and results
<input checked="" type="checkbox"/> Apply Knowledge and Skills	<input type="checkbox"/> Change assignments/activities <input type="checkbox"/> Update course content
<input checked="" type="checkbox"/> Think Critically	<input type="checkbox"/> Change materials provided <input type="checkbox"/> Update course outcomes
<input checked="" type="checkbox"/> Communicate Effectively	<input type="checkbox"/> Adjust grading rubric <input type="checkbox"/> Update prior courses
<input checked="" type="checkbox"/> Act Responsibly	<input checked="" type="checkbox"/> Continue to Monitor <input type="checkbox"/> Other

**Assessment 2 of 3**

**Goal / Project**

Our graduates will meet or exceed 80% positive feedback from Graduate Satisfaction surveys.

**Outcome(s)**

Demonstrate the psychomotor skills consistent with Respiratory Practitioners including but not limited to oxygen therapy, aerosol therapy, chest physiotherapy, airway management, arterial blood sample withdraw, arterial line insertion, infection control,

**Standard / Objective**

*Graduates will meet or exceed 80% positive feedback from Employer Satisfaction surveys. This is a requirement of CoARC to maintain accreditation.*

Method of assessment

Capstone Demonstrations(s)

Comment/Details about the method of assessment

Employers are asked to complete Employer Satisfaction surveys (furnished by CoARC) and submit those completed surveys to the Program Coordinator. The 2017 survey results, showed that all graduate surveys returned (13 returned of 14 employed) met or exceeded expectations in all categories (100%).

Courses Affected

All RT courses

Time Frame

Winter 2017

Submitted By

Tim Heinz

**Result**

Result

(2) Results met expectation/standard

Data Collection (general or specific stats regarding results)

In 2017, 14 of 15 graduates (93%) were employed in an RT related occupation. The only Employer Satisfaction survey that was not returned was from a graduate that did not pass the TMC exam.

What We Learned (areas for improvements, strengths, etc.)

Students that successfully pass the TMC exam receive multiple job offers and better participation from employer surveys.

Use of Data to Improve Student Success

Will continue to monitor results and make changes as necessary.

<p>Institutional Student Learning Outcome</p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Apply Knowledge and Skills</li> <li><input checked="" type="checkbox"/> Think Critically</li> <li><input checked="" type="checkbox"/> Communicate Effectively</li> <li><input checked="" type="checkbox"/> Act Responsibly</li> </ul>	<p>Action plan items of what is planned based on the data and results</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Change assignments/activities</li> <li><input type="checkbox"/> Change materials provided</li> <li><input type="checkbox"/> Adjust grading rubric</li> <li><input checked="" type="checkbox"/> Continue to Monitor</li> <li><input type="checkbox"/> Update course content</li> <li><input type="checkbox"/> Update course outcomes</li> <li><input type="checkbox"/> Update prior courses</li> <li><input type="checkbox"/> Other</li> </ul>
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**Assessment 3 of 3**

**Goal / Project**

80% of Program graduates will pass the Therapists Multiple Choice (TMC) Exam within three years of graduation.

**Outcome(s)**

Apply the cognitive skills consistent with effective Respiratory Practitioners performing services such as but not limited to oxygen therapy, aerosol therapy, chest physiotherapy, airway management, blood gas interpretation, infection control, mechanical

**Standard / Objective**

*80% of Program graduates will pass the Therapists Multiple Choice (TMC) Exam within three years of graduation. This is required by CoARC to maintain accreditation.*

Method of assessment

Capstone Demonstrations(s)

Comment/Details about the method of assessment

Student TMC exam results are obtained by the Program Director from the National Board for Respiratory Care website.

Courses Affected

All RT courses

Time Frame

Winter 2017

Submitted By

Tim Heinz

**Result**

Result

(2) Results met expectation/standard

Data Collection (general or specific stats regarding results)

There were 15 graduates in the class of 2017: 13 graduates passed the TMC exam (86%) and two graduates

failed the TMC exam (14%).

### What We Learned (areas for improvements, strengths, etc.)

Students complete the TMC and clinical simulation Self Assessment Examinations. This self assessment directs the students to areas of weakness. Based on TMC results, changes were made to content areas in program courses as needed. Students that delay taking the TMC exam or students that do not properly prepare for the TMC exam, fail this test. Both students who failed the TMC attended the Exam Workshop but delayed taking the exam. A significant period of time elapsed from the date of the workshop and when they actually took the exam.

### Use of Data to Improve Student Success

Institutional Student Learning Outcome	Action plan items of what is planned based on the data and results
<input checked="" type="checkbox"/> Apply Knowledge and Skills	<input type="checkbox"/> Change assignments/activities <input type="checkbox"/> Update course content
<input checked="" type="checkbox"/> Think Critically	<input type="checkbox"/> Change materials provided <input type="checkbox"/> Update course outcomes
<input checked="" type="checkbox"/> Communicate Effectively	<input type="checkbox"/> Adjust grading rubric <input type="checkbox"/> Update prior courses
<input checked="" type="checkbox"/> Act Responsibly	<input checked="" type="checkbox"/> Continue to Monitor <input checked="" type="checkbox"/> Other

## Comments and Action Plan

### **Discipline/Program Comments**

Graduates need guidance in planning and scheduling the TMC into their busy lives.

Will continue to monitor and take action as needed

Will continue to monitor and take action as needed.

### **Advisory Board Comments**

Continue to monitor and make changes as necessary.

Will continue to monitor and take action as needed

Continue to monitor and take action as needed.

### **Assessment Committee Comments**

### **Curriculum Council Comments**

N/A

N/A

N/A

### **Action Plan**

In 2019 a calendar was posted in the classroom. In January 2019, senior students were asked to sign their names to a date in May that they planned to take the TMC exam, and a date in June they planned to take the CSE. By planning months in advance to schedule and take these tests, and some peer pressure, this may improve test results and student success.

Will continue to monitor and take action as needed

Continue to monitor and take action as needed.

### **Actions Taken in Response to Older Reports**