



3211 Providence Drive
Anchorage, AK 99508-4614
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2021 ANNUAL ACADEMIC ASSESSMENT REPORT FORM
(Due October 15 to the dean)

PROGRAM SECTION (Due to the dean on October 15)

Submission date: 10/15/2021

Submitted by: Henry W. Haney, Associate Professor, hwhaney@alaska.edu

Program(s) covered in this report: Petroleum Technology UC

If you selected "Other" above, please identify. (100 characters or less)

College: Community and Technical College

Campuses where the program(s) is delivered: ☐Anchorage ☐KOD ☒KPC ☐MSC ☐PWSC

Specialized accrediting agency (if applicable): N/A

If explanation is necessary, such as only some of the certificates and degrees are covered by the specialized accreditation, briefly describe:

INSTITUTIONAL STUDENT LEARNING CORE COMPETENCIES

In 2020, UAA launched a consensus-based, deliberative process to identify the key skillsets that help students achieve academic and post-graduation success. After a year-long process that included students, faculty, staff, administrators, alumni, and employers, the UAA community identified four "core competencies" at the heart of a quality UAA education. Students develop mastery of these competencies through curricular (e.g., courses), co-curricular (e.g., internships, conferences), and extracurricular (e.g., student clubs) learning experiences.

After the stakeholder-based process in AY20, UAA conducted a pilot project focusing on the core competency of Personal, Professional, and Community Responsibility (PPCR). This decision was based on input from the 2020 Annual Academic Assessment Retreat.

Question #1 below is designed to engage program faculty in thinking about how they can or already do promote student learning in this core competency.

- 1. Personal, Professional, and Community Responsibility: The knowledge and skills necessary to promote personal flourishing, professional excellence, and community engagement.**
 - **What would you hope a student would say if asked where in your program or support service they had the opportunity to develop proficiency in this Core Competency? (500 characters or less)**



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The students would answer that Personal, Professional, and Community responsibility is emphasized in the majority of the Core Courses in the Petroleum Technology Certificate Program. Their actions as “upstream” Operators will have a consequence. A correct responsible response action will create a well-run production process. An adverse careless action can potentially cause safety or environmental harm.

- **Do you have an example that could be a model for the university of an intentionally designed course, assignment, or activity that showcases the student learning in this core competency?** ☒ Yes ☐ No

If yes, please briefly describe. (500 characters or less)

The PRT A260 Oil & Gas Exploration and Production II class covers why quality work is a necessity. High-quality work is a reflection of a professional attitude and a personal choice that is emphasized in the Petroleum Technology Certificate program so future upstream operators will avoid possible safety and environmental issues affecting the surrounding their work location and the surrounding community.

- **Do you have any ideas about where your program or the university might develop other intentionally designed opportunities for students to develop proficiency in this core competency?** ☐ Yes ☒ No

If yes, please briefly describe. (500 characters or less)

Not at this time.

PROGRAM STUDENT LEARNING OUTCOMES

2. **Please list the Program Student Learning Outcomes your program assessed in AY21. For each outcome, indicate one of the following: Exceeded faculty expectations, Met faculty expectations, or Did not meet faculty expectations.**

Example: Communicate effectively in a variety of contexts and formats – Exceeded faculty expectations.

Outcome # 7: Assessed one class, 21 student assignments, 100% C or better. Exceeded faculty expectations.

Outcome # 9: Assessed two classes, 19 student assignments: 84.2% C or better. Met faculty expectations.

3. **Describe your assessment process in AY21 for these program student learning outcomes, including the collection of data, analysis of data, and faculty (and other, e.g., advisory board) conversations around the findings. (750 characters or less)**

The Petroleum Technology Certificate Assessment Plan July 2020 is planned to be accomplished using a three-year rotation. Designated Program Student Learning Outcomes data will be submitted by faculty to the KPC Faculty Services Office Manager. The data will be correlated with program student outcomes. Aggregated data will be reviewed by faculty at the annual faculty assessment meeting and by smaller departmental groups. Faculty will provide comments for the narrative report.



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4. What are the findings and what do they tell the faculty about student learning in your program? (750 characters or less)

The Petroleum Technology Certificate program and Assessment Plan were revised and approved July 2020. Due to COVID response data was not collected at KPC – KRC for AY21. The PSLO data information included in the current report is from AY20 under the old PSLO listings which were shared with the PRT program. The AY 20 data shows evidence of a good success. PSLO data collection is planned for AY22. Note: With consideration to the COVID19 response, there has been an increased awareness concerning student success. Instructors have demonstrated flexibility and a willingness to make class presentation adjustments, which has contributed to the overall success of students attending classes in AY 21.

5. Based on the findings, did the faculty make any recommendations for changes to improve student achievement of the program student learning outcomes? Please describe the recommended action, what improvement in student learning the program hopes to see with this change, the proposed timeline, and how the program will know if the change has worked. If no recommendations for changes were made, please explain that decision. (750 Characters or less)

The Petroleum Technology Certificate program was revised and received final approval July 2020. The revised Petroleum Technology Certificate Assessment Plan was approved July 2020. There were no other formal permanent program changes made during the assessment period. There were however informal adjustments set in place due to COVID19 response. Discussion is taking place about making some of the informal changes permanent.

PROGRAM IMPROVEMENTS AND ASSESSING IMPACT ON STUDENT LEARNING

6. In the past academic year, how did your program use the results of previous assessment cycles to make changes intended to improve student achievement of the program student learning outcomes? Please check all that apply.

- ☒ Course curriculum changes
- ☐ Course prerequisite changes
- ☐ Changes in teaching methods
- ☐ Changes in advising
- ☐ Degree requirement changes
- ☐ Degree course sequencing
- ☐ Course enrollment changes (e.g., course capacity, grading structure [pass/fail, A-F])
- ☐ Changes in program policies/procedures
- ☒ Changes to Program Student Learning Outcomes (PSLOs)
- ☐ College-wide initiatives (e.g., High Impact Practices)
- ☐ Faculty, staff, student development
- ☒ Other



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☐ No changes were implemented in AY21.

If you checked "Other" above, please describe. (100 characters or less)

Revise Assessment Plan.

- 7. Do you have any information about how well these or other past improvements are working? Are they achieving their intended goals? Please include any data or assessment results that help you demonstrate this. (750 characters or less)**

N/A

STUDENT SUCCESS AND THE CLOSING OF EQUITY GAPS

- 8.** Programs are not required to respond to question #8 below for their report due on October 15, 2021. Question #8 will be required for the next round and moving forward.
- 9. Do you have any examples of post-graduate success you want to highlight? For example, major scholarships, the percent of students who pass licensure examinations, the percent of students accepted to graduate programs, the percent in post-graduation employment in the field or a related field. (750 characters or less)**

N/A

DEAN SECTION (Due to the program on January 15)

- 1. Based on the program's responses above, what guidance and support do you have for the program moving forward? Is there a particular area the program should focus on? (750 characters or less)**
The program was not clear what their SLO's were, but the objectives 7 and 8 in their plan met their expectations. Based on the rest of the program report, it appears that the program is on track. I would recommend that they specify what the SLO is with their faculty and KPC's leadership on this form. The program though appears to be meeting their needs, and students appear successful.
- 2. Is there something the program is doing particularly well in terms of its processes for the assessment and improvement of student learning, including the closing of equity gaps, that might serve as a model for other programs? If yes, please explain. You may skip this question. (750 characters or less)**

Dean's signature:

DocuSigned by:
Raymond Earle Weber
DAB67EATB334FA...

Date: Select date.
January 4, 2022