

Assessment Report (AY21-22)
Health Sciences AAS, Pre-Nursing Qualifications Certificate,
and Pre-Radiologic Technology Qualifications Certificate

1.0 Program Overview

The University of Alaska Southeast (UAS) Health Science Department provides students with the knowledge, skills, and learning opportunities to achieve education and training toward a career in health care. Health Science programs provide a supportive learning environment through small class sizes, individualized advice based on career pathway, and instructors trained in a health science field.

The Health Science Department offers six degree programs:

- Associate of Applied Science in Health Sciences
- Pre-Nursing Qualifications Certificate
- Pre-Radiologic Technology Qualifications Certificate
- Medical Assisting Certificate
- Certificate Certified Nurse Aide Occupational Endorsement
- Behavioral Health Occupational Endorsement

Note the first three bulleted programs are included in this report. The last three bulleted items are excluded. The Medical Assisting Certificate Annual Assessment Report is submitted separately by the Medical Assisting Program Director, Associate Professor of Medical Assisting, Amy Samuel. UAS occupational endorsements are required to have program learning outcomes but are not required to submit a formal annual assessment report.

Associate of Applied Science in Health Sciences (from the catalog)

This degree prepares students to enter direct care careers and to apply or transfer to a variety of health care training programs. Students need to consult with a Health Sciences advisor before registering for courses.

Note:

- The Health Science Department submitted a revised catalog description this academic year to include the revisions made in the last few years, including the emphasis areas.

Pre-Nursing Qualifications Certificate (from the catalog)

This certificate prepares students to apply to professional nursing programs. It includes General Education Requirements (GERs) in communication, computation, and human relations. The listed courses provide pre- and co- requisite preparation for successful application to most nursing programs. This certificate fulfills the minimum requirements for the UAA/UAS AAS Registered Nurse (RN) program. Further, it includes most of the prerequisite course requirements for the UAA BS in Nursing program. Completion of this certificate is not a guarantee of admission into any particular nursing program.

Notes:

- This certificate has been revised for the last 3 years to reduce the number of credits in order to be within the range of a normal 30-credit certificate and align it more closely to the admission requirements of the UAA AAS in Nursing. Since the certificate requirements are more comprehensive than the UAA AAS in Nursing admission requirements, a majority of students do not complete this certificate. They apply for admission to the nursing program as soon as they meet the admission requirements.
- This degree has been removed from the list of programs available for federal funding. Current students have had to find alternative funding sources. This decision at the federal level has had an impact on students entering into the program.

Pre-Radiologic Technology Qualifications Certificate (from the catalog)

This certificate prepares students to apply to most professional medical imaging programs. It includes a base in the university GER options and includes all prerequisites needed for application to the UAA AAS Radiologic Technology program. Students need to consult with a Health Science advisor before registering for courses.

Note:

- This degree has been removed from the list of programs available for federal funding. Current students have had to find alternative funding sources. This decision at the federal level has had an impact on students entering into the program.

2.0 Program Learning Outcomes

Associate of Applied Science in Health Sciences

- Demonstrate health science skills in one of the emphasis areas to meet Alaska's health workforce needs.
- Demonstrate effective oral and written communication skills.
- Apply vocabulary pertinent in allied health careers.
- Demonstrate knowledge of computational skills.
- Demonstrate knowledge of human behaviors.

Pre-Nursing Qualifications Certificate*

- Successfully complete the prerequisite courses required to apply for admission to the UAA AAS in Nursing.

* The Health Science faculty revised the program learning outcomes for this certificate between the time the AY22-23 Health Science Assessment Plan was submitted and this report.

Pre-Radiologic Technology Qualifications Certificate*

- Successfully complete the prerequisite courses required to apply for admission to the UAA AAS in Radiologic Technology.

* The Health Science faculty revised the program learning outcomes for this certificate between the time the AY22-23 Health Science Assessment Plan was submitted and this report.

3.0 How will the data be collected on the Program Learning Outcomes?

Associate of Applied Science in Health Sciences

- The Health Science Department will analyze data from Banner. The focus will be on graduates from each emphasis area, including their grades in communication (COMM 111, COMM 235, COMM 237 or COMM 241), writing (WRTG 111, WRTG 211 or WRTG 212), medical terminology (HS 135 or HIM 135), math (HS 116 or MATH 105), and psychology courses (PSY 111 or PSY 250).

Pre-Nursing Qualifications Certificate

- The Health Science Department will analyze data from Banner to determine successful completion of the certificate program requirements.

Pre-Radiologic Technology Qualifications Certificate

- The Health Science Department will analyze data from Banner to determine successful completion of the certificate program requirements.

4.0 Data Collection (AY22)

The initial step in the data collection process used the UAS Institutional Effectiveness online tools to identify the number of graduates in the Health Science AAS, Pre-Nursing Qualifications Certificate, and the Pre-Radiologic Technology Qualifications Certificate. Banner commencement reports for Summer 2021, Fall 2021, and Spring 2022 and all three campuses confirmed the number of graduates and provided details needed for the next step in the data collection process, student transcripts.

5.0 Data Evaluation/Analysis

Associate of Applied Science in Health Sciences

There were five Health Science AAS graduates during the reporting period. Based on a review of their transcripts, these graduates exceeded all of the Health Science AAS program learning outcomes.

All of the Health Science AAS graduates completed their selected emphasis area program requirements with a C (2.0) GPA or better.

Average Emphasis Area GPA	3.51
Highest Emphasis Area GPA	4.00
Lowest Emphasis Area GPA	3.05

All of the Health Science AAS graduates completed their selected written and oral communication skills requirements with a C (2.0) or better.

Average Grade	B (3.16)
Highest Grade	A
Lowest Grade	C

All of the Health Science AAS graduates completed Medical Terminology (HS 135 or HIM 135) with a C (2.0) or better.

Average Grade	B+ (3.40)
Highest Grade	A
Lowest Grade	C

All of the Health Science AAS graduates completed their selected computational skills requirement with a C (2.0) or better.

Average Grade	B (3.00)
Highest Grade	A
Lowest Grade	C

All of the Health Science AAS graduates completed PSY 111 or PSY 250 with a C (2.0) or better.

Average Grade	B+ (3.54)
Highest Grade	A
Lowest Grade	B

Pre-Nursing Qualifications Certificate

There were five Pre-Nursing Qualifications Certificate graduates during the reporting period. Based on a review of their transcripts, these graduates achieved the program learning outcome for the Pre-Nursing Qualifications Certificate.

Average Program Requirements GPA	3.20
Highest Program Requirements GPA	3.34
Lowest Program Requirements GPA	3.08

Pre-Radiologic Technology Qualifications Certificate

There were two Pre-Radiologic Technology Qualifications Certificate graduates during the reporting period. Based on a review of their transcripts, these graduates achieved the program learning outcome for the Pre-Radiologic Technology Qualifications Certificate.

Average Program Requirements GPA	3.73
Highest Program Requirements GPA	3.78
Lowest Program Requirements GPA	3.68

6.0 Conclusion / Plans for Program Improvement

The Health Science program graduates successfully met the program learning outcomes during the reporting period. These graduates are well-prepared to enter their selected healthcare career or continue their education.

Developing an improvement plan based on data during this reporting period is challenging. It is difficult to draw any conclusions in this report based on the small number of graduates in the Health Science AAS, Pre-Nursing Qualifications Certificate and the Pre-Radiologic Technology

Qualifications Certificate. In order to enhance Health Science programs, Health Science faculty will:

- monitor and analyze program learning outcome data over a longer period of time to identify trends
- continue to work with healthcare professionals in the region to keep program learning outcomes aligned with entry-level allied healthcare professions
- continue to work with other UA programs to make informed program improvement decisions
- review, and as needed revise Health Science program learning outcomes
- submit a revised Annual Assessment Plan to reflect the approved program learning outcomes submitted in CourseLeaf this academic year