University of Alaska Southeast
Assessment Plan

Department/School: ***Career Education*** Date Submitted: ***May 11, 2012***

Program Name: ***AAS Construction Technology***

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MISSION STATEMENT

Construction Technology at UAS is dedicated to providing quality learning opportunities in a supportive environment where construction students can learn new skills or improve existing skill levels. Construction Technology provides the knowledge, tools and experiences that enable students to attain employment, develop professionally, and experience personal growth and enrichment.

1. Student Learning Goals

Introduction:
Construction Technology will provide the education and training to meet the needs of the residential construction industry within the cold maritime climate of Southeast Alaska. AAS graduates will have a comprehensive basic understanding of Construction Technology. Graduates will realize these goals by meeting the competency requirements embedded in each specific program and GER course. Program competencies will be defined, in collaboration with our program industry advisory board, by the Construction Technology Mission Statement.
The UAS 2010-2017 strategic-plan will provide an institutional framework for the program.

Goal 1:
Construction Technology AAS graduates will attain employment in the residential construction or related fields, and/or will continue in education in construction or related fields.

Goal 2:
Construction Technology graduates will demonstrate proficiency in the program requirements and the criteria outlined in the University's basic six competencies.

2. Exit Outcomes

For each goal exit outcomes will be established within the following basic areas. Graduates will be expected to demonstrate competencies in each area:

Goal One Outcomes*:*

1.1 Graduates will be knowledgeable about basic job safety; general construction site safety, personal protection equipment, good housekeeping, scaffolds and ladders, lifting and carrying, fire protection, first aid, electrical and chemical safety.

1.2 Graduates will demonstrate the ability to apply construction related techniques, skills, and tools use to varying construction projects.

1.3 Graduates will demonstrate an understanding of basic drafting and design skills. Designs will express an understanding of buildings as a system which includes, foundations, framing, building enclosures, mechanical, electrical, HVAC, and plumbing systems.

1.4 Graduates will have the skills to safely perform residential construction tasks in the categories of foundations layout, exterior and interior rough framing, finish carpentry, basic plumbing and electrical.

1.5 Graduates will understand basic construction management including; planning, scheduling, estimating, and accounting as they apply in small business practices.

Goal Two Outcomes:

2.1 Graduates will be able to effectively communicate using the professional language and concepts of construction technology. Where applicable this will include utilizing computer skills.

2.2 Graduates will be able to effectively apply basic analytical skills and mathematical reasoning in solving construction technology problems. Where applicable, computer technology will be used to assist in solving problems and formatting answers.

2.3 Graduates will be able to draw on a variety of information sources to assist them in communicating, analyzing and solving construction technology problems.

2.4 Graduates will learn the fundamentals of professional behavior, responsibility, good work habits, and ethical decision making.

2.5 Graduates will be able to utilize a critical thinking approach to solving construction problems.

Program Assessment:

- Annually, satisfaction questionnaires will be sent to all completers of AAS degrees, Certificates, and Occupational Endorsements to provide the department and faculty feedback on program content and value to students.

- Surveys will be sent to employers identified from the student surveys to assess the quality of our graduate's performance.

Significant Program Changes (2011-2012)

Construction Technology was awarded an Alaska Department of Labor, Alaska State Energy Sector Partnership grant paying tuition and fees for participants to take the Building Energy Retrofit Technician Occupational Endorsement. This O.E. was delivered using a compressed schedule; 9 credits in three weeks. The department is still analyzing the effectiveness of this approach and is waiting to receive student questionnaires and evaluate participant outcome comments.