

**CONSTRUCTION TECHNOLOGY  
UNIVERSITY OF ALASKA SOUTHEAST**

**2005-06 Annual Report on Assessment of Student Learning Outcomes**  
Charlie Ross, Assessment Coordinator

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.

**ASSESSMENT**

***Part One - Student Assessment***

***Part Two - Program Assessment***

**PART ONE – STUDENT ASSESSMENT**

## **STUDENT LEARNING OUTCOMES**

(Outcomes leading to accomplishment of Construction Technology program goals in the AAS Construction Technology, Certificate of Residential Building Science, and Drafting Technology Certificate, including the Faculty Defined Student Competencies)  
(*Student Learning Outcome Mapping Matrices attached*)

### **AAS Construction Technology**

- 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.
- Graduates will have the skills to safely perform basic woodworking tasks and will have a basic knowledge of wood, wood joinery safety and operations, and finishing processes.
- Graduates will have the skills to safely perform a wide range of basic construction tool use tasks (for wood, metal, composites), using hand and portable and stationary power tools.
- Graduates will have an understanding of buildings as systems.
- Graduates will be able to perform drafting functions, will understand basic residential planning and will have an introductory proficiency in AutoCAD.
- Graduates will have the skills to safely perform certain residential construction tasks in the categories of foundations, exterior and interior, rough and finish carpentry.
- Graduates will have a basic understanding of residential mechanical systems utilizing a systems approach to electrical, HVAC, and plumbing systems.
- Graduates will understand basic construction management including; planning, scheduling and estimating.
- Graduates will have a basic understanding of small business practices and computer use.

### **Certificate of Residential Building Science**

- Graduates will be knowledgeable about basic job safety and general construction site safety.
- Graduates will have a basic understanding of computer spreadsheet utilization.
- Graduates will have an introductory knowledge of human health as it relates to building science.

- Graduates will have a basic understanding to how houses are constructed.
- Graduates will have an advanced knowledge of the understanding and utilization of building science testing technology and tools.
- Graduates will have specific knowledge of building in a cold coastal climate.
- Graduates will be knowledgeable about modern building materials.
- Graduates will have a basic knowledge of physics.
- Graduates will have an understanding of buildings as systems.
- Graduates will have a basic understanding of residential mechanical systems utilizing a systems approach to electrical, HVAC, and plumbing systems.

### **Drafting Technology Certificate**

- Graduates will have an understanding of buildings and construction documentation as systems.
- Graduates will be able to perform drafting functions and will understand basic residential design, construction, documentation and planning.
- Graduates will have an intermediate proficiency in AutoCAD LT.
- Graduates will have an intermediate understanding of algebra.

### **Faculty Defined Student Competencies**

- Graduates will be able to effectively communicate using the professional language and concepts of construction technology, building science and drafting technology.
- Graduates will be able to effectively apply basic analytical skills and mathematical reasoning in solving problems relating to:
  - construction technology
  - building science
  - drafting and design
  - building codes and documentation
  - CAD programs
- Graduates will be able to draw on a variety of information sources to assist them in communicating, analyzing and solving problems concerning:

- construction technology
  - building science
  - drafting and design
  - building codes and documentation
  - CAD programs
- 
- Graduates will be able to use computers and other information technology to perform duties necessary for communication in particular construction and related fields.
  
  - Graduates will learn the fundamentals of professional behavior and responsibility, demonstrate professional work habits, ethical decision making and assume leadership roles when appropriate.
  
  - Graduates will be able to utilize critical thinking to compare, contrast and evaluate ideas concerning:
    - construction technology
    - building science
    - drafting and design
    - building codes and documentation
    - CAD programs

## **STUDENT LEARNING OUTCOME ASSESSMENT METHOD(S)**

### **What is going to be used to assess student learning?**

- **Portfolios**
  - portfolios (e-portfolios) will be maintained by students and the department and will be reviewed by the department
  - they will integrate courses throughout the programs – AAS and two certificates
  - they will show the development from the most basic courses through graduation or the obtaining of certificates
  - portfolio contents will be tied directly to questions contained in questionnaires sent to employers and graduates for assessment purposes
  
- **Course Based options**
  - Exams and quizzes
  - Observation of lab procedures
  - Project work and completion
  - Group activities
  - Student self assessment
  - Pre-course testing – final testing
  - Faculty/course evaluations
  - Alignment of course content (testing and comparing against national/regional norms) with national/regional accredited institutions
    - Home Builders Institute
    - Auto Desk Certified Users Exams
    - Certified Plan Examiner for local and state governments
    - other departmental certifications

## **STUDENT LEARNING DATA COLLECTION AND ANALYSIS**

### **Student Learning Assessment:**

- Maintain Portfolio (online basis – hard copy)
  - with student
  - at department
- Course Based
  - typical course content retention of files by faculty and department
    - results of overall course performance
    - final grade, final reports, evidence of project completion
    - any course-competent received certificates
  - any and all material entered into portfolio (above)
- Analysis conducted by faculty and department for providing feedback to course content and change on ongoing basis

**PART TWO – PROGRAM ASSESSMENT**

## PROGRAM GOALS

### AAS Construction Technology

- Goal One: Successful completion of Student AAS Program Portfolio
- Goal Two: Students will attain and/or continue employment with advances within the broad field of construction with positive feedback from employers of program goals.

<b>AAS CONSTRUCTION TECHNOLOGY - PROGRAM GOALS RUBRIC</b>				
a) Employment				
	1	2	3	4
	not employed in construction or related fields	employed part time in construction or related fields	employed full time in construction or related fields	employed full time two years or more in construction or related fields
b) Performance				
	1	2	3	4
	receives poor employer evaluations	receives satisfactory employer evaluations	receives good employer evaluations	receives excellent employer evaluations
c) Advancement				
	1	2	3	4
	no advancement in job(s)	by end of one year - advancement in position or pay	by end of second year - advancement in position and pay	lead position attained

## Certificate of Residential Building Science

- Goal One: Successful completion of Student Certificate Portfolio
- Goal Two: Students will attain and continue employment with advances as state energy raters, weatherization assessors, home inspectors or will have improved their skills as building contractors, managers and or appraisers with positive feedback from employers of certificate goals.

<b>CERTIFICATE RESIDENTIAL BUILDING SCIENCE - PROGRAM GOALS RUBRIC</b>				
a) Employment				
	1	2	3	4
	not employed in building science or related fields	employed part time in building science or related fields	employed full time in building science or related fields	employed full time two years or more in building science or related fields
b) Performance				
	1	2	3	4
	receives poor employer evaluations	receives satisfactory employer evaluations	receives good employer evaluations	receives excellent employer evaluations
c) Advancement				
	1	2	3	4
	no advancement in job(s)	by end of one year - advancement in position or pay	by end of second year - advancement in position and pay	lead position attained

## Drafting Technology Certificate

- Goal One: Successful completion of Student Certificate Portfolio
- Goal Two: Students will attain and/or continue employment with advances as drafting and CAD technicians, or in jobs where the skills of mathematics, drawing and lettering, architectural concepts, and design and construction techniques are required with positive feedback from employers of certificate goals.

<b>CERTIFICATE DRAFTING TECHNOLOGY - PROGRAM GOALS RUBRIC</b>				
<b>a) Employment</b>				
	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
	not employed in drafting technology or related fields	employed part time in drafting technology or related fields	employed full time in drafting technology or related fields	employed full time two years or more in drafting technology or related fields
<b>b) Performance</b>				
	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
	receives poor employer evaluations	receives satisfactory employer evaluations	receives good employer evaluations	receives excellent employer evaluations
<b>c) Advancement</b>				
	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
	no advancement in job(s)	by end of one year - advancement in position or pay	by end of second year - advancement in position and pay	lead position attained

## **PROGRAM ASSESSMENT**

### **Assessing Success of Program Goals**

- **Portfolios**
  - portfolios will be maintained by students and the department and will be reviewed by the department
  - they will integrate courses throughout the programs – AAS and two certificates
  - they will show the development from the most basic courses through graduation or the obtaining of certificates
  - portfolio contents will be tied directly to questions contained in questionnaires sent to employers and graduates for assessment purposes
- Feedback from employers pertaining to graduates performance at work will be received by the use of questionnaires sent out one year after graduation and two years after graduation.
- Simple rubrics (*above*) have been developed for Program Assessment. Each graduate of the AAS program, the Building Science Certificate, and the Drafting Certificate will be scored at the end of one year and at the end of two years and the results will be combined to create a cumulative assessment score for tracking.
- Program outcomes will be measured to show the quantifiable satisfaction of program goal completion.
- Program outcomes will be used to feed back into the assessment loop.

### **Expected results:** (*dependent on numerical values in the Program Goals Rubric*)

- At the end of one year:
  - the minimum average score expected would be 7
  - Employment – 2, Performance – 3, Advancement - 2
- At the end of the two years:
  - the minimum average score expected would be 9
  - Employment – 3, Performance – 3, Advancement - 3
- If the scores are equal to or more than the above, the program will use the responses to change programming to respond to weak points derived from questionnaires.
- If the scores are less than the above, the department will re-evaluate program goals with its advisory committee and determine changes.

## **KEY FINDINGS**

- pending results from questionnaires sent to graduates and employers

### **PROGRAM CHANGES FROM ASSESSMENT RESULTS**

- Initial results to form baseline information
- Results from questionnaires  
go back two or three years and re-create if possible
- Plugged into scoring rubrics
- Determine rubric score numbers
- Make changes as warranted

## **PROGRAM OVERVIEW**

### **Advisory Committee Membership**

A very important part of assessing the AAS and Certificate programs will be industry feedback in the form of advisory boards. Meetings are held and feedback is gained from the members and then used to re-assess degree and certificate direction and success.

The present members of the Advisory Board for Construction Technology are:

- Mary Rodman-Lopez, Juneau Job Center, Juneau, Alaska
- Charles Carlson, CO Construction, Auke Bay, Alaska
- Christy Bergman, Yaakoosge Daakahidi Alternative High School
- Russ McDougal, Southeast Alaska Building Industry Association, Juneau, Alaska
- Sterling Snyder, UAS CT Graduate, Juneau, Alaska
- Craig Mapes, Juneau Douglas High School, Juneau, Alaska
- Alan Wilson, Alaska Renovators, Juneau, Alaska

The last meeting was held October 11, 2006. Among many other items, members were brought up to date about Program Assessment.

College: US		UAS Univer of Alaska Southeast		Major: CNST Construction Technology		Degree: AAS Associate of Applied Science	
<u>Id</u>	<u>Student Name</u>	<u>Major</u>	<u>Concentration</u>	<u>GPA</u>	<u>Grad Date</u>		
30664006	Stophrer Jr, Gregory William 2806 John Street 2 Juneau, AK 99801	Associate of Applied Science UAS - Juneau Campus Construction Technology	Honors: UAS Univer of Alaska Southeast	3.69	5-May-07		
**Awarded	30741719 Jensen, Robert Eric 3842 Lee Ct Apt 3 Juneau, AK 99803	Associate of Applied Science UAS - Juneau Campus Construction Technology	Honors: Cum Laude UAS Univer of Alaska Southeast	3.96	6-May-06		
**Awarded	30627880 Snyder, Sterling A 9951 Stephen Richards Dr UNIT 29 Juneau, AK 99801	Associate of Applied Science UAS - Juneau Campus Construction Technology	Honors: Magna Cum Laude UAS Univer of Alaska Southeast	3.78	17-Dec-05		
**Awarded	30399462 Pfister, Steven John 2623 John St Juneau, AK 99801	Associate of Applied Science UAS - Juneau Campus Construction Technology	Honors: UAS Univer of Alaska Southeast	3.95	17-Dec-05		
**Awarded	30578801 Bishop, Robert Nicholas 8128 Dogwood Lane Juneau, AK 99801	Associate of Applied Science UAS - Juneau Campus Construction Technology	Honors: Cum Laude UAS Univer of Alaska Southeast	3.63	2-May-04		
**Awarded	30591194 Fritz, Andrew Michael 510 Yak Road Apt 860E Fairbanks, AK 99709	Associate of Applied Science UAS - Juneau Campus Construction Technology	Honors: UAS Univer of Alaska Southeast	3.45	2-May-04		
**Awarded	30045449 Garner, Ryan William 317 E Harvard Ave Anchorage, AK 99501	Associate of Applied Science UAS - Juneau Campus Construction Technology	Honors: UAS Univer of Alaska Southeast	3.23	7-May-00		
**Awarded	30045449 Garner, Ryan William 317 E Harvard Ave Anchorage, AK 99501	Associate of Applied Science UAS - Juneau Campus Construction Technology	Honors: UAS Univer of Alaska Southeast	3.23	7-May-00		

<b>Id</b>	<b>Student Name</b>	<b>Major</b>	<b>Concentration</b>	<b>GPA</b>	<b>Grad Date</b>
<b>College: US</b>	<b>UAS Univer of Alaska Southeast</b>	<b>Major: CNST Construction Technology</b>	<b>Degree: AAS Associate of Applied Science</b>	<b>GPA</b>	<b>Grad Date</b>
<b>Id</b>	<b>Student Name</b>	<b>Major</b>	<b>Concentration</b>	<b>GPA</b>	<b>Grad Date</b>
**Awarded 30114084	Haramura, Joven M. 8120 Dogwood Lane Juneau, AK 99801	Associate of Applied Science UAS - Juneau Campus Construction Technology	Honors: UAS Univer of Alaska Southeast	2.95	7-May-99
**Awarded 30008242	MacIntyre, Richard S 1907 Cascade Creek Rd Sitka, AK 99835	Associate of Applied Science UAS - Juneau Campus Construction Technology	Honors: UAS Univer of Alaska Southeast	3.74	7-May-99
**Awarded 30044690	Sidney, Ann M. 10400 Glacier Hwy Juneau, AK 99801	Associate of Applied Science UAS - Juneau Campus Construction Technology UAS - Juneau Campus	Honors: UAS Univer of Alaska Southeast	2.88	8-May-98
**Awarded 30048828	Fabrello, Daniel R 2476 ODay Drive Juneau, AK 99801	Associate of Applied Science UAS - Juneau Campus Construction Technology	Honors: UAS Univer of Alaska Southeast	3.42	8-May-98
**Awarded 30032385	Kemp, David A. PO Box 303 Hoonah, AK 99829	Associate of Applied Science UAS - Juneau Campus Construction Technology	Honors: Cum Laude UAS Univer of Alaska Southeast	3.72	16-Aug-95
**Awarded 30160398	Ruehl, Randy D. 614 Harris St Juneau, AK 99801	Associate of Applied Science UAS - Juneau Campus Construction Technology	Honors: UAS Univer of Alaska Southeast	3.17	3-May-91
**Awarded 30200643	Bruce, David 9500 Moraine Way Juneau, AK 99801	Associate of Applied Science UAS - Juneau Campus Construction Technology	Honors: UAS Univer of Alaska Southeast	3.42	15-Aug-90
**Awarded 30268557	Kalisch, Kraig K. 3726 El Camino Juneau, AK 99801	Associate of Applied Science UAS - Juneau Campus Construction Technology	Honors: Cum Laude UAS Univer of Alaska Southeast	4	6-May-88

<b>Id</b>	<b>Student Name</b>	<b>Major</b>	<b>Concentration</b>	<b>GPA</b>	<b>Grad Date</b>
<b>College: US</b>	<b>UAS Univer of Alaska Southeast</b>	<b>Major: CNST Construction Technology</b>	<b>Degree: AAS Associate of Applied Science</b>	<b>GPA</b>	<b>Grad Date</b>
<b>Id</b>	<b>Student Name</b>	<b>Major</b>	<b>Concentration</b>	<b>GPA</b>	<b>Grad Date</b>
30071098	Helms, William R. PO Box 32912 Juneau, AK 99803	Associate of Applied Science UAS - Juneau Campus Construction Technology UAS - Juneau Campus	Honors: UAS Univer of Alaska Southeast	3.05	15-May-87
**Awarded					
30286971	Brock, Geoffrey S. 218 Main St No 688 Kirkland, WA 98033	Associate of Applied Science UAS - Juneau Campus Construction Technology	Honors: UAS Univer of Alaska Southeast	2.89	15-May-86
**Awarded					
30324064	Huckins, William General Delivery Juneau, AK 99801	Associate of Applied Science UAS - Juneau Campus Construction Technology	Honors: UAS Univer of Alaska Southeast	3.25	15-May-86
**Awarded					
30041002	Stadt, Thomas BAD ADDRESS Juneau, AK 99801	Associate of Applied Science UAS - Juneau Campus Construction Technology	Honors: UAS Univer of Alaska Southeast	2.01	15-May-85
**Awarded					
30324094	Grantham, Rickie L. S 819-55 Lowley Spokane, WA 99202	Associate of Applied Science UAS - Juneau Campus Construction Technology	Honors: UAS Univer of Alaska Southeast	3.24	15-May-85
**Awarded					
30324048	Huber, James PO Box 581 Eastsound, WA 98245	Associate of Applied Science UAS - Juneau Campus Construction Technology UAS - Juneau Campus	Honors: UAS Univer of Alaska Southeast	3.29	15-May-85
**Awarded					
30222721	Mull, Jeffrey L. PO Box 60 Skagway, AK 99840	Associate of Applied Science UAS - Juneau Campus Construction Technology	Honors: UAS Univer of Alaska Southeast	3.52	15-May-84
**Awarded					

<b>Id</b>	<b>Student Name</b>	<b>Major</b>	<b>Concentration</b>	<b>GPA</b>	<b>Grad Date</b>
<b>College: US</b>	<b>UAS Univer of Alaska Southeast</b>	<b>Major: CNST Construction Technology</b>	<b>Degree: AAS Associate of Applied Science</b>	<b>GPA</b>	<b>Grad Date</b>
<b>Id</b>	<b>Student Name</b>	<b>Major</b>	<b>Concentration</b>	<b>GPA</b>	<b>Grad Date</b>
<b>**Awarded</b>	<b>30138727 Helfinstine, James</b> PO Box 33552 Juneau, AK 99803	<b>Associate of Applied Science</b> <b>UAS - Juneau Campus</b> <b>Construction Technology</b>	<b>Honors:</b> <b>UAS Univer of Alaska Southeast</b>	<b>2.68</b>	<b>15-Aug-82</b>
<b>**Awarded</b>	<b>30327216 Mcfall, Jannine M.</b> PO Box 516 Aberdeen, SD 57402	<b>Associate of Applied Science</b> <b>UAS - Juneau Campus</b> <b>Construction Technology</b>	<b>Honors:</b> <b>UAS Univer of Alaska Southeast</b>	<b>3.32</b>	<b>15-May-82</b>
	<b>30656690 Hegel, Barbara A</b> PO Box 34025 Juneau, AK 99803	<b>Associate of Applied Science</b> <b>UAS - Juneau Campus</b> <b>Construction Technology</b>	<b>Honors:</b> <b>UAS Univer of Alaska Southeast</b>	<b>3.93</b>	
	<b>30064688 Lister, Jarrett Lloyd</b> 3700 Clay Products Dr Anchorage, AK 99517	<b>Associate of Applied Science</b> <b>UAS - Juneau Campus</b> <b>Construction Technology</b>	<b>Honors:</b> <b>UAS Univer of Alaska Southeast</b>	<b>3.48</b>	

College: US UAS Univer of Alaska South Major: CNST Construction Technology Degree: CT2 Cert

Id	Student Name	Major	Concentration	GPA	Grad Date
30206958	Mitchell, Rodney D 7753 N Douglas Hwy Juneau, AK 99801	Certificate UAS - Juneau Campus Construction Technology	Honors: UAS Univer of Alaska Southeast	3.53	18-Aug-06
**Awarded	30016360 Jensen, Jonathan D. 3410 Foster Avenue No B6 Juneau, AK 99801	Certificate UAS - Juneau Campus Construction Technology	Honors: UAS Univer of Alaska Southeast	3.18	7-May-99
**Awarded	30221675 Mork, Keith A	Certificate UAS - Juneau Campus Construction Technology	Honors: UAS Univer of Alaska Southeast	3.43	7-May-99
**Awarded	30021502 Schilling, Cristofer W 9328 Glacier Hwy No 37 Juneau, AK 99801	Certificate UAS - Juneau Campus Construction Technology	Honors: UAS Univer of Alaska Southeast	3.88	17-Dec-99
**Awarded	30044690 Sidney, Ann M. 10400 Glacier Hwy Juneau, AK 99801	Certificate UAS - Juneau Campus Construction Technology UAS - Juneau Campus	Honors: UAS Univer of Alaska Southeast UAS Univer of Alaska Southeast	2.88	8-May-98
**Awarded	30071098 Helms, William R. PO Box 32912 Juneau, AK 99803	Certificate UAS - Juneau Campus Construction Technology UAS - Juneau Campus	Honors: UAS Univer of Alaska Southeast UAS Univer of Alaska Southeast	3.05	15-May-84
30349748	Weeks, William G	Certificate UAS - Juneau Campus Construction Technology	Honors: UAS Univer of Alaska Southeast	2.72	











<p style="text-align: center;"><b>UAS</b></p> <p style="text-align: center;"><b>CONSTRUCTION TECHNOLOGY</b></p> <p style="text-align: center;"><b>CERTIFICATE</b></p> <p style="text-align: center;"><b>DRAFTING TECHNOLOGY</b></p> <p style="text-align: center;"><b>STUDENT LEARNING</b></p> <p style="text-align: center;"><b>OUTCOME MAPPING</b></p>				<b>Program Requirements (24 credits)</b>	
<p><b>I - Introduce D - Develop C - Competent</b></p>				<b>CT 120</b>	Basic Construction Techniques (3)
				<b>CT 150</b>	Basic Drafting (3)
<p><b>PROGRAM COMPETENCIES</b></p>				<b>CT 160</b>	House Planning and Architectural Design (3)
				<b>CT 175</b>	Introduction to AutoCAD (3)
<p><b>STUDENT LEARNING OUTCOMES</b></p>		Graduates will have an understanding of buildings and construction documentation as systems.		<b>CT 181</b>	Intermediate AutoCAD (3)
		Graduates will be able to perform drafting functions and will understand basic residential design, construction, documentation and planning.		<b>CT 201</b>	Cold Climate Coastal Construction (3)
		Graduates will have an intermediate proficiency in AutoCAD LT.		<b>CT 250</b>	Building Codes and Standards (3)
				<b>CT 252</b>	Construction Documentation (3)
				<b>General Education Requirements (10 credits)</b>	
				<b>ENG 111</b>	Methods of Written Communication (4)
				<b>Choice</b>	Written Communication Skills (3)
				<b>Math 105</b>	Intermediate Algebra (or higher) (3)
		Graduates will be able to effectively communicate using the professional language and concepts of construction and drafting technology. Where applicable this will include utilizing computer skills.			





**CONSTRUCTION TECHNOLOGY**

Graduate/Certificate Completion Survey Questionnaire

*(Please complete the following survey to help us improve the educational experience and program relevance of the Construction Technology Department at UAS.)*

Full Name: \_\_\_\_\_ Date \_\_\_\_\_

Address:

Phone number(s): \_\_\_\_\_  
email: \_\_\_\_\_

UAS Student Number: \_\_\_\_\_

Did you receive?

AAS Construction Technology	yes	no	year _____
Residential Building Science Certificate	yes	no	year _____
Drafting Technology Certificate	yes	no	year _____

Present Situation:

Present and Past Employer(s) since graduating

a)

b)

c)



How do you feel the following competencies addressed in your course work have helped your career in construction?

<b>COMPETENCY QUESTIONS:</b>	NA (non applicable) n/a	not helpful 1	2	3	4	very helpful 5
basic job safety						
skills to safely perform basic woodworking tasks						
skills to safely perform a wide range of basic construction tool use tasks						
understanding of buildings as systems						
skills to safely perform certain residential construction tasks in the categories of foundations, exteriors and interiors, rough and finish carpentry						
basic understanding of residential mechanical systems utilizing a systems approach to electrical, ventilation, and plumbing systems						
basic understanding of construction management including; planning, scheduling and estimating						
basic understanding of small business practices						
able to perform drafting functions and understanding of basic residential design, and CAD programming						
effectively communicate						
effectively apply basic analytical skills and mathematical reasoning						
able to draw on a variety of information sources to assist them in communicating, analyzing and solving problems						
be able to use computers and other information technology						
professional behavior and responsibility, demonstrate professional work habits, ethical decision making and assume leadership roles when appropriate						

Do you have any questions or comments?

*Thank you very much for your time and energy to fill out and send back this questionnaire. It will help us in making the AAS degree and Certificate Programs even that much better.*

*Please send your responses to:*

*Charlie Ross  
UAS Construction Technology  
1415 Harbor Way  
Juneau AK 99801*

*Phone 1-907-796-6127*

*Thank you !*



CONSTRUCTION TECHNOLOGY
Employer Questionnaire

(Please complete the following questionnaire to help us improve the educational experience and program relevance of the Construction Technology Department at UAS.)

Full Name: \_\_\_\_\_ Date \_\_\_\_\_

Address:

Phone number(s): \_\_\_\_\_
email: \_\_\_\_\_

Do you have a graduate of the AAS degree program in Construction Technology in your employ? yes no

If so, for how long? \_\_\_\_\_

Would you please give a brief description of their job(s):

Are they full time employed? yes no how many hours/wk \_\_\_\_\_
for how long? \_\_\_\_\_

Are they employed part time? yes no how many hours/wk \_\_\_\_\_
for how long? \_\_\_\_\_

If this person was in your employ before, how does their pay compare now? (circle one)

*higher than before for equivalent work*  
*same as before for equivalent work*  
*lower than before for equivalent work*

Has this person changed responsibilities in their job since receiving their AAS or certificate(s)?      *yes*      *no*

Have they gained more responsibility?   *yes*      *no*

Have their responsibilities stayed the same?   *yes*      *no*

The following competencies are tracked during their education for the AAS degree and certificates. Please comment on how they may be relevant in the graduate's job(s) and how you feel they have been prepared.

*relevant*      *somewhat relevant*      *not relevant at all*  
*and on a scale from 1-5 please rate their preparedness*

- 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.  
*relevant*      *somewhat relevant*      *not relevant*      1   2   3   4   5
- has the skills to safely perform basic woodworking tasks and will have a basic knowledge of wood, wood joinery safety and operations, and finishing.  
*relevant*      *somewhat relevant*      *not relevant*      1   2   3   4   5
- has the skills to safely perform a wide range of basic construction tool use tasks (for wood, metal, composites); hand and power, portable and stationary.  
*relevant*      *somewhat relevant*      *not relevant*      1   2   3   4   5
- has an understanding of buildings as systems.  
*relevant*      *somewhat relevant*      *not relevant*      1   2   3   4   5
- able to perform drafting functions, understands basic residential planning, has an introductory proficiency in AutoCAD.  
*relevant*      *somewhat relevant*      *not relevant*      1   2   3   4   5
- has the skills to safely perform certain residential construction tasks in the categories of; foundations, exterior and interior rough and finish carpentry.  
*relevant*      *somewhat relevant*      *not relevant*      1   2   3   4   5
- has a basic understanding of residential mechanical systems utilizing a systems approach to electrical, ventilation and plumbing systems.  
*relevant*      *somewhat relevant*      *not relevant*      1   2   3   4   5

- understands basic construction management including; planning, scheduling and estimating.  
*relevant somewhat relevant not relevant 1 2 3 4 5*
- has a basic understanding of; small business practices and computer use.  
*relevant somewhat relevant not relevant 1 2 3 4 5*
- able to effectively communicate using the professional language and concepts of construction technology. Where applicable this will include utilizing computer skills.  
*relevant somewhat relevant not relevant 1 2 3 4 5*
- 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.  
*relevant somewhat relevant not relevant 1 2 3 4 5*
- able to draw on available information sources to assist them in communicating, analyzing and solving construction technology problems.  
*relevant somewhat relevant not relevant 1 2 3 4 5*
- understands and practices the basics of professional behavior, responsibility, good work habits, and ethical decision making.  
*relevant somewhat relevant not relevant 1 2 3 4 5*
- able to utilize a critical thinking approach to solving construction problems.  
*relevant somewhat relevant not relevant 1 2 3 4 5*

Do you have any additional questions or comments? Please get in touch at the below address, email or phone number.

*Thank you very much for your time and energy in filling out the above questionnaire. It will help us a great deal in formulating our program to answer the need of local and regional employers.*

Please send your responses to:

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*Thank you !*