

Occupational Endorsement In Basic Carpentry For Construction Trades Technology Program

I. Cover Memorandum

A. Person preparing Request:

James Ryan Ford, Construction Trades Technology (CTT) Assistant Professor

B. Brief Statement of the proposed endorsement, industry objectives and abbreviated student learning outcomes and assessment and implementation plane.

The Occupational Endorsement In Basic Carpentry for Construction Trades Technology is the beginning for both a career in the construction industry and pursuing a certificate and degree in Construction Trades Technology. Training will consist of basic construction safety, introduction to hand and power tools, construction mathematics, floor systems, roof framing, windows and exterior door installation and students will develop a basic understanding of how to communicate, understand, anticipate and complete the work on a construction job site.

The Proposed Occupational Endorsement for "Basic Carpentry" for Construction Trade Technology will be available upon completion of the following courses:

- CTT F100 Construction Technology Core (3cr)
OR
CTT F101 Basic Construction Safety (1cr)
CTT F102 Introduction to Hand And Power tools (1cr)
CTT F103 Introduction to Blueprint Reading (1cr)
- CTT F106 Construction Mathematics (3cr)
- CTT F110 Residential Carpentry – Level I (8.5cr)
OR
CTT F111 Materials and Tools Used in the Trade (2.5cr)
CTT F112 Floor Systems, Wall, and Ceiling Framing (2cr)
CTT F113 Roof Framing, Windows, and Exterior Doors (2cr)
CTT F114 Introduction to Concrete Materials and Forms (2cr)

Total required Credits: 14.5

Industry Objectives

The Occupational Endorsement in Basic Carpentry for Construction Trades Technology will train rural residents in basic carpentry skills. These skills are needed to work in the construction industry and include beginning carpenter skills and basic knowledge that students can use to work on their own home projects.

Many residents in rural communities have limited or no formal training in construction. When jobs become available in their local community many of the local residents, after being hired, have to be let go due to their lack of knowledge in the construction industry. The largest difficulty is lack of safety knowledge on the job site. CTT 100 Construction Technology Core will address the basic safety of jobsites and how to handle tools properly. Some minor difficulties encountered include: failing to communicate with terms used on construction sites, not knowing how to read a tape measure, or not knowing how to use tools. CTT 106 Construction math along with CTT 110 Residential Carpentry- Level I, Will use hands on approach through instructor lead class construction projects to teach basic skills.

This Occupational Endorsement will not only provide basic training in the construction industry, it will offer recognition of their education and provide the foundation for a relationship with their local housing authorities and the university, resulting in a pathway into higher education and skill set needed to successfully be employed in the industry across the state.

Abbreviated student learning outcomes assessment and implementation plan.

Occupational Endorsement Objectives:

The mission of the Occupational Endorsement in Basic Carpentry for Construction Trades Technology is to provide accessible vocational, skill-based education through a flexible delivery method to meet the needs of rural Alaskan students.

- To introduce basic skills to rural Alaskans to meet the current workforce needs in the construction industry.
- To provide a career ladder approach to securing an Occupational Endorsement leading to a Certificate and further to an Associates Degree of Applied Science in Construction Trades Technology.

Student learning outcome assessment plan

All courses within the Occupational Endorsement In Basic Construction will be assessed in coordination with the Certificate in Construction Trades Technology Student Learning Outcomes Assessment Plan.

In addition, the Occupational Endorsement will be assessed individually based on the below criteria.

Intended outcomes	Assessment Criteria and Procedures	Implementation
<ol style="list-style-type: none"> 1. Demonstrate basic knowledge of PPE, safe work practices, correct use of hand and power tools. • Demonstrate basic mathematical procedures commonly used in the construction industry. • Introduction of basic building concepts, material and their use. 2. OE graduates and there employers will express overall satisfaction with the Occupational Endorsement. 	<ol style="list-style-type: none"> 1. Classroom assignments and activities upon practical application of skills and demonstration of course objectives. 2. 75% of graduates and employers will express overall satisfaction with the OE. 	<ol style="list-style-type: none"> 1. Instructors monitor student performance and progress and provide extra assistance as needed. 2. Annual survey of OE graduates and employers.

Implementation plan

All of these courses have been approved by the University of Alaska Fairbanks system.

★ C. Review Signatures of Preparation:

★ Electronic signatures
via CRCD database system

Industry or advisory council representative

Date

Program head responsible for transcription and completion checklist

Date

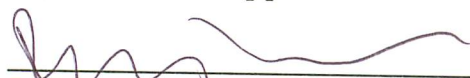
Dean of school/college housing occupational endorsement

Date

College of Rural and Community Development Academic Council

Date

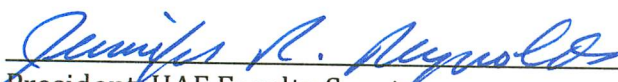
Signatures for Approval:



Curricular Affairs Committee Chair

1 March 2013

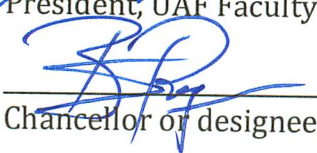
Date



President, UAF Faculty Senate

March 4
4/3/2013

Date



Chancellor or designee

6 March 2013

Date