

# 2008 PROGRAM OUTCOMES ASSESSMENT SUMMARY REPORT

PROGRAM: CABINETMAKING AND FINE WOODWORKING - AAS DEGREE AND CERTIFICATE

DATE: 29 JANUARY 2008

## **DEMONSTRATION OF LEARNING:** *What assignments or projects demonstrate student learning outcomes are achieved?*

*[Note: evidence of learning contained in Assessment methods and Findings sections.]*

Faculty conduct a mandatory formal orientation at the start of the 2<sup>nd</sup> quarter, which is the first quarter for Cabinetmaking. In this session, students are given the goals and expectations of the instructors, both verbally and in writing.

Mandatory projects are required in 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> quarters. These projects are individually assessed each day. Upon completion of each stage of the project, instructors then lay-out and review the next stage of learning.

Personal projects are submitted for approval by 5<sup>th</sup> quarter. The personal project must be a capstone of all skills learned in the program, and must have a challenge aspect for the student.

Safety is a critical theme throughout the program and integral to daily assessment of the student's project and the pace of their work.

## **EXTERNAL EVIDENCE?** *Alumni, employer, Curriculum Review, Technical Advisory Committee feedback?*

The Technical Advisory Committee meets once per quarter and is made up of local employers and industry experts.

Faculty return to industry annually during the summer quarter and infrequently throughout the school year to keep their skills to industry standards.

They sustain a strong informal employer and alumni network which they tap quarterly for student field trips, internship and employment opportunities as well as industry trends.

Faculty attend local trade shows at least three times a year, and bring in industry sales representatives as speakers at least one time per quarter in order to stay current with new and existing equipment.

## **FINDINGS:** *What have you learned from your outcomes assessment activities?*

Examples in the last two years of the influence of external evidence are:

A) An alumnus, after one year in the field, returned to demonstrate a Lipping Planer, which is a more efficient tool for planning cabinetry.

B) An industry sales representative demonstrated a Domino Machine which allows for a wider variety of

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joinery in cabinet construction.

C) The faculty pressed for the purchase of a Horizontal Sliding Panel Saw which is an industry standard tool that was not part of their curriculum.

### **ACTIONS TAKEN:** *What program changes have you made in the last three years? -- WHAT WAS THE IMPETUS FOR CHANGE?*

Examples in the last two years of actions taken based on findings are:

A) The Lipping Planer was purchased based on the alumnus demonstration and recommendations. Training on this equipment was added to the curriculum and the result is that students complete their mandated projects more efficiently, allowing them more time and, therefore, more complexity in their capstone projects.

B) The Domino Machine was purchased based on the industry sales representative's demonstration and faculty recommendations. New joinery and construction techniques were added to the curriculum, broadening student skill sets.

C) The Horizontal Sliding Panel Saw was purchased as a voluntary joint effort from Cabinetmaking, Carpentry and Boatbuilding budgets. This introduced previously unavailable training for producing panels in cabinet construction, bringing students on par with industry standards for panel production.

### **ACTIONS PLANNED:** *What program changes or new assessment activities are you planning for next year?*

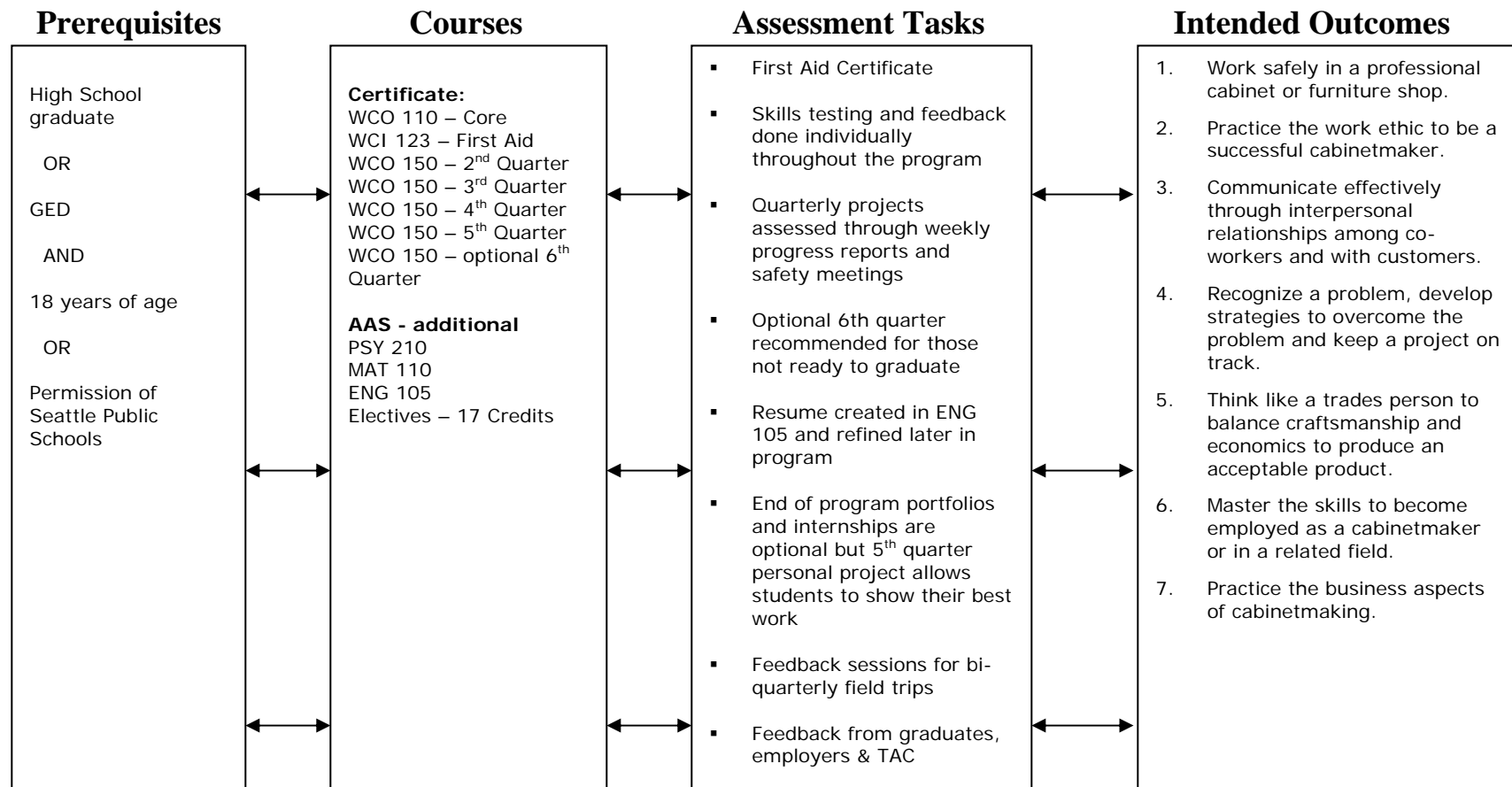
In the next three to five years, the Wood Construction Center will complete their new facility. For the Cabinetmaking program, this will radically alter their floor plan. At present, they are split between 2 floors of equipment and workspace. With two faculty, this limits their availability to students, their monitoring for safety and their creating of real world cabinetmaking experiences.

Their future floor plan will be on one level and will model existing cabinet shops that meet industry standards for safety and efficiency. This will also increase the availability of faculty for student needs.

**Program Name:** *WCP Cabinetmaking & Fine Woodworking - AAS & Certificate* Revised 29 January 2008

**Theme(s):** Pride in workmanship, confidence building, work ethic

**Program Role:** Prepares students to obtain positions in cabinetmaking, fine woodworking and related trades, including furniture making, interior finish work, clock making, instrument making, and stage set work.



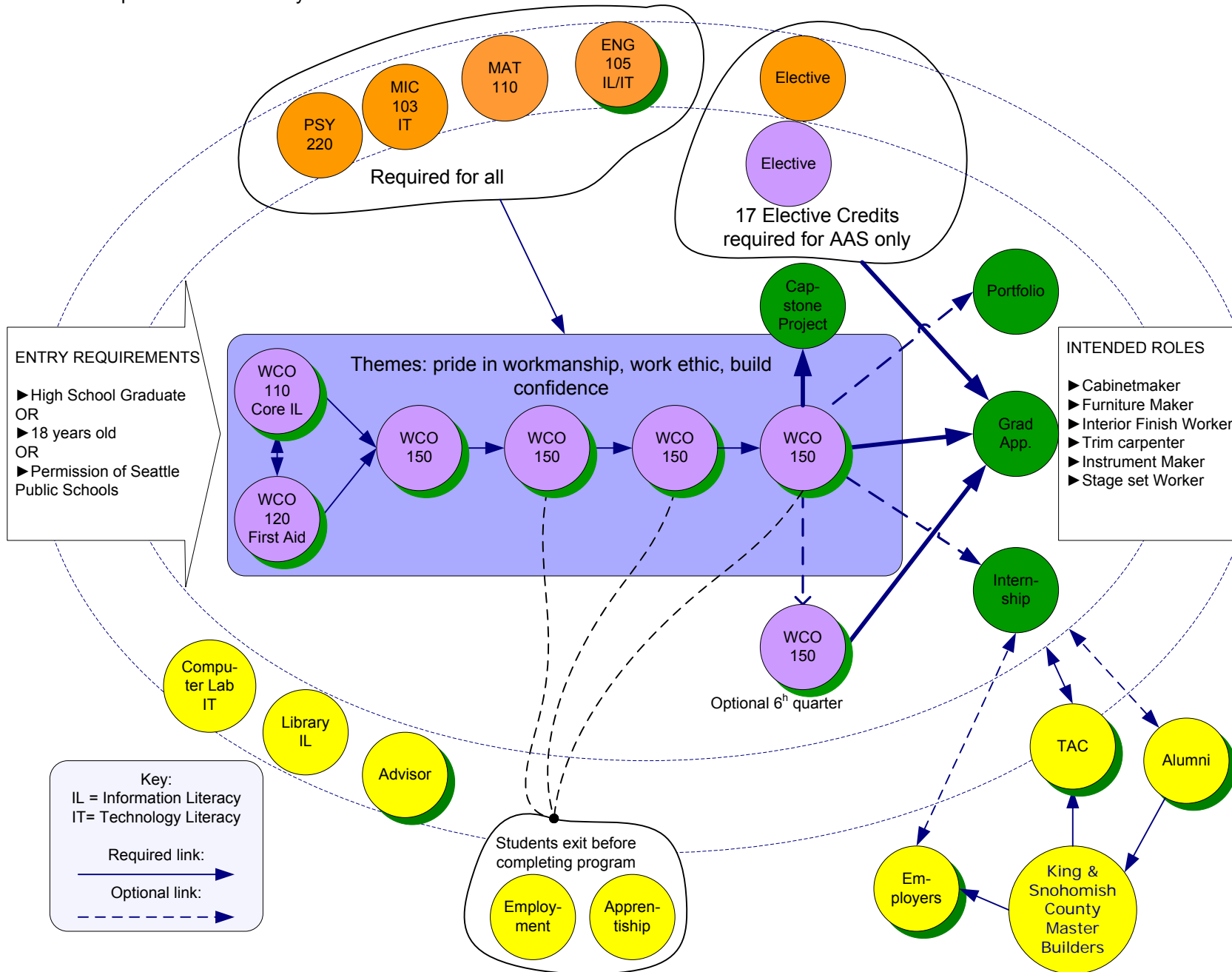
*What must students be able to do before engaging in this work?*

*What learning experiences (courses) are necessary to renew the student?*

*What will students do in here to demonstrate evidence of the outcome?*

*What do students need to be able to DO “out there” that we’re responsible for “in here”??*

Program: Cabinetmaking & Fine Woodworking – AAS & Certificate  
 Snapshot on: 29 January 2008



**Intended Learning Outcomes:**

1. Work safely in a professional cabinet or furniture shop.
2. Practice the work ethic to be a successful cabinetmaker.
3. Communicate effectively through interpersonal relationships among co-workers and with customers.
4. Recognize a problem, develop strategies to overcome the problem and keep a project on track.
5. Think like a trades person to balance craftsmanship and economics to produce an acceptable product.
6. Master the skills to become employed as a cabinetmaker or in a related field.
7. Practice the business aspects of cabinetmaking.

- INTENDED ROLES**
- ▶ Cabinetmaker
  - ▶ Furniture Maker
  - ▶ Interior Finish Worker
  - ▶ Trim carpenter
  - ▶ Instrument Maker
  - ▶ Stage set Worker

**Key:**  
 IL = Information Literacy  
 IT = Technology Literacy

Required link:

Optional link:

**Students exit before completing program**

- Employment
- Apprenticeship

## Program Assessment Inventory

Program: Cabinetmaking – AAS Degree and Certificate

Assessment methods used to determine that students are prepared to succeed and that they have achieved the program learning outcomes when they complete degrees or certificates.

	<i>Early program</i>	<i>Mid program</i>	<i>End of program</i>
<b><i>Students are prepared to learn (prerequisites)</i></b>			
ASSET test scores			
COMPASS test scores	X		
SLEP test scores	X		
Other? – <i>Individual Assessment</i>	X		
<b><i>Students are assessed as they move through the program</i></b>			
Competencies assessment – <i>Performed daily</i>	X	X	X
Internship feedback			
Pre-Mid-Post assessment			
Service Learning experience feedback			
Student course evaluations		<i>quarterly</i>	
Student focus groups			
Student grades		<i>quarterly</i>	
Student interviews			
Student self assessment			
Student surveys			
<b><i>Students are assessed as they complete the program</i></b>			
Completion statistics			
Capstone projects			X
Graduation statistics			X
Portfolios			X
Presentations			
<b><i>External assessment data is collected</i></b>			
Transfer rates			<i>by college</i>
Employer surveys			
Technical Advisory Committee		<i>meets quarterly</i>	
License certification success rates			<i>by college</i>
Performance in 4 year programs			
Employment rates			<i>by college</i>
Salary statistics			
Survey of former students			<i>informal</i>
Other?			

## **Cabinetmaking – AAS Degree – 2006 Learning Outcomes**

Upon earning an AAS degree in Cabinetmaking a student will:

1. Work safely in a professional cabinet or furniture shop.
2. Demonstrate an understanding of the work ethic to be a successful cabinetmaker.
3. Communicate and understand the interpersonal relationships among co-workers and with customers.
4. Recognize a problem, develop strategies to overcome the problem and keep a project on track.
5. Demonstrate the ability to think like a trades person to balance craftsmanship and economics to produce an acceptable product.
6. Master the skills to become employed as a cabinetmaker or in a related field.
7. Demonstrate an enhanced understanding of the relationship of cabinetmaking, carpentry marine carpentry and/or the business aspects of cabinetmaking.

## **Cabinetmaking – Certificate – 2006 Learning Outcomes**

Upon earning a certificate in Cabinetmaking a student will:

1. Work safely in a cabinet shop.
2. Master the skills to become employed as a cabinetmaker or in a related field.
3. Demonstrate an understanding of the work ethic to be a successful cabinetmaker.
4. Solve problems and arrive at alternative solutions to see a project to completion.