

## Washtenaw Community College

## Program Discontinuation Form

Program Code: CVCMT	Program Name: Cabinetmaking/Millwork Technology	Effective Term: Fall 2023
Division Code: ATP	Department: HVAC	

**Directions:** Complete all information below.

**Rationale for discontinuation:**

The program enrollment has dropped from nine (9) students in 2018-2019 to one (1) student enrolled in Winter 2022. Only five (5) students have graduated from the program over the period of 2016-2017 to 2019-2020. In 2020-2021 two (2) students graduated from the program. Enrollment numbers:

2016	2017	2018	2019	2020	2021	2022
6	7	9	4	0	1	0

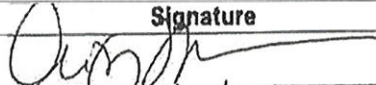


**Describe the discontinuation, transition and course phase-out plan. Please include the number of currently enrolled students.**

The one (1) student who is currently enrolled in the program has audited two of the required courses and, therefore, is not seeking a degree.

**List departments using this program and the date they were notified of the planned discontinuation.**

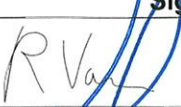


N/A

**Signatures:**

Reviewer	Print Name	Signature	Date
Initiator	Cristy Lindemann		4.21.22
Department Chair	Brian Martindale		4.22.22
Division Dean/Administrator	Jimmie Baber		4/22/2022

**Please submit completed form to the Office of Curriculum and Assessment (SC 257) or by e-mail to curriculum.assessment@wccnet.edu**

**Once reviewed by the appropriate faculty committees we will secure the signature of the VPI and President.**

Reviewer	Print Name	Signature	Date
Curriculum Committee Chair	Randy Van Wagnen		5-31-22
Vice President for Instruction	Victor Vega		9/7/2023
President	Rose B. Bellanca		9/7/23

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Reviewed by C&A Committees 5/19/22

PROGRAM CHANGE OR DISCONTINUATION FORM

Program **CVCMT**  
Code: ~~CVCMT~~

Program Name: Cabinetmaking/Millwork System  
Technology

Effective Term: Fall, 2012

Division Code: VCT

Department: Construction Institute

**Directions:**

1. Attach the current program listing from the WCC catalog or Web site and indicate any changes to be made.
2. Draw lines through any text that should be deleted and write in additions. Extensive narrative changes can be included on a separate sheet.
3. Check the boxes below for each type of change being proposed. Changes to courses, discontinuing a course, or adding new courses as part of the proposed program change, must be approved separately using a Master Syllabus form, but should be submitted at the same time as the program change form.

**Requested Changes:**

- |   |   |
|---|---|
| <input type="checkbox"/> Review                                   | <input checked="" type="checkbox"/> Program admission requirements  |
| <input type="checkbox"/> Remove course(s): _____                  | <input checked="" type="checkbox"/> Continuing eligibility requirements   |
| <input checked="" type="checkbox"/> Add course(s): <u>CON 108</u> | <input type="checkbox"/> Program outcomes   |
| <input type="checkbox"/> Program title (title was _____)          | <input type="checkbox"/> Accreditation information  |
| <input checked="" type="checkbox"/> Description                   | <input type="checkbox"/> Discontinuation (attach program discontinuation plan that includes transition of students and timetable for phasing out courses) |
| <input type="checkbox"/> Type of award                            | <input type="checkbox"/> Other _____  |
| <input type="checkbox"/> Advisors                                 |   |
| <input type="checkbox"/> Articulation information                 |   |

Show all changes on the attached page from the catalog.

**Rationale for proposed changes or discontinuation:**

Advisory board recommendation.

**Financial/staffing/equipment/space implications:**

**List departments that have been consulted regarding their use of this program.**

**Signatures:**

Reviewer	Print Name	Signature	Date
Initiator	Cristy Lindemann		2/14/2012
Department Chair	Cristy Lindemann		2/14/2012
Division Dean/Administrator	Ross Gordon		2/15/2012
Vice President for Instruction	Stuart Blacklaw		4-5-12
President	Dr. Rose Bellanca		

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Please submit completed form to the Office of Curriculum and Assessment and email an electronic copy to [sjohn@wccnet.edu](mailto:sjohn@wccnet.edu) for posting on the website.

*Indone*  
logged 2/15/12 sjv  
Office of Curriculum & Assessment

**Program Information Report****School of Construction Technology**

Become part of the growing global community of skilled trades' professionals or skilled trades' managers. Design, plan, construct and complete structures for your home or for your career. You can earn a certificate or degree in Residential Construction, Construction Management or Heating, Ventilation and Air Conditioning. These programs offer the perfect blend of classroom education and hands-on training. At the Henry S. Landau Design and Construction Training Center, you will be taught construction skills from the ground up. You can learn classic skills such as woodworking or modern techniques needed to maintain or improve your own structure. On the main campus, the HVAC program offers a wide range of training to equip high-end technicians with the knowledge and skills needed for successful entry into the field.

Washtenaw Community College offers programs at several levels for students who want to begin new careers, or advance in their existing careers. The first level is the certificate, which can vary from nine to thirty-six credits, depending on the field. Certificates generally prepare students for entry-level jobs.

After completing a certificate, students can progress to the next level, the advanced certificate. The credit hours required for these programs also vary. This type of certificate provides a more specialized level of skill development, and often allows students to upgrade their positions at their places of employment.

The next level, an Associate in Applied Science, is available for some programs. For some career fields, it is possible to earn a certificate, advanced certificate, and an Associate in Applied Science degree in the same field. In these cases, the credit hours from the certificate and advanced certificate can be applied to the credit hours needed for the Associate in Applied Science degree.

Alternatively, students can earn an AAS in Occupational Studies by completing a certificate, advanced certificate and General Education requirements.

**Construction**

If you want to learn basic construction, prepare to take the Michigan Builder's License exam or are considering starting a construction business, this is the place to start.

**Program Information Report**

**Cabinetmaking/Millwork Technology (CVCMT)**

**Advanced Certificate**

**Program Effective Term: Fall 2012**

This program is designed to develop skills and knowledge needed for positions such as trim carpenters, cabinetmakers, furniture makers and repair technicians. Students will develop skills related to the design, fabrication, and installation of interior cabinetry and trim systems for commercial and residential applications.

**Articulation:**

Eastern Michigan University, BS degree.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <http://www.wccnet.edu/departments/curriculum/articulation.php?levelone=colleges>.

**Program Admission Requirements:**

Students must complete the Construction Technology I Certificate for entry into this program.

CON 108	Introduction to Construction Technology	2
CON 170	Cabinetry and Millwork I	3
CON 173	Cabinetry and Millwork II	3
CON 175	Cabinetry and Millwork III	3
CON 250	Cabinet Shop Management and Fundamentals	3
CON 275	Cabinetry and Millwork IV	3

**Minimum Credits Required for the Program: 17**

Washtenaw Community College.

**Certificates and Degrees.**

<http://www4.wccnet.edu/academicinfo/creditoofferings/programs/degree.php?code=CVCMST>

Return to web format »

**Cabinetmaking/Millwork Systems Technology (CVCMST)**

Advanced Certificate

Program requirements shown below are for catalog year:

**Description:** *Please see attached for new description.*

According to the National Careers Education and Research Institute, the growth in the housing industry has created a demand for skilled precision wood workers. This program is designed to develop skills and knowledge needed for those positions. Students will develop skills related to the design, fabrication, and installation of interior cabinetry and trim systems for residential construction. The program will provide access to specialty careers as trim carpenters, cabinetmakers, furniture makers, and repair technicians.

**Contact Information:**

Division: Vocational Technologies  
 School: School of Construction Technology  
 Department: Construction Institute Dept  
 Advisors: Brad Hoth, Cristy Lindemann

**Articulation:**

Eastern Michigan University, BS degree.

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site: <http://www.wccnet.edu/departments/curriculum/articulation.php?levelone=colleges>.

**Admission Requirements:**

Students must complete the Residential Construction I Certificate to be admitted into the program.

<b>Major/Area Requirements</b>		<b>(15 Credits)</b>
<u>CON 170</u>	Cabinetry and Millwork I	3
<u>CON 173</u>	Cabinetry and Millwork II	3
<u>CON 175</u>	Cabinetry and Millwork III	3
<u>CON 250</u>	Cabinet Shop Management and Fundamentals	3
<u>CON 275</u>	Cabinetry and Millwork IV	3
<u>CON 108</u>	<i>Introduction to Construction Technology</i>	<i>2</i>
<b>Minimum Credits Required for the Program:</b>		<b>15 Credits</b>
		<i>17</i>

**Estimated Cost**

Tuition & Fees	\$1,680.00
Books & Supplies	\$110.00
<b>Total Cost</b>	<b>\$1,790.00</b>

**Length of Program**

Intended time to complete 4 semesters

**Careers Related to this Program**

## Cabinetmaking/Millwork Systems Technology

### Program description:

This program is designed to develop skills and knowledge needed for <sup>such</sup> positions as trim carpenters, cabinetmakers, furniture makers and repair technicians. Students will develop skills related to the design, fabrication, and installation of interior cabinetry and trim systems for commercial and residential applications.

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x

PROGRAM CHANGE OR DISCONTINUATION FORM

Program Code: CVCMSST Program Name: Cabinet Making / Millwork Effective Term: F06  
System Technology  
 Division Code: HAT Department: Construction

**Directions:**  
 1. Attach the current program listing from the WCC catalog or Web site and indicate any changes to be made.  
 2. Draw lines through any text that should be deleted and write in additions. Extensive narrative changes can be included on a separate sheet.  
 3. Check the boxes below for each type of change being proposed. Changes to courses, discontinuing a course, or adding new courses as part of the proposed program change, must be approved separately using a Master Syllabus form, but should be submitted at the same time as the program change form.

**Requested Changes:**

<input type="checkbox"/> Review	<input type="checkbox"/> Program admission requirements
<input checked="" type="checkbox"/> Remove course(s): <u>ARC 170</u>	<input type="checkbox"/> Continuing eligibility requirements
<input checked="" type="checkbox"/> Add course(s): <u>CON --- NEW COURSE</u>	<input type="checkbox"/> Program outcomes
<input type="checkbox"/> Program title (title was _____)	<input type="checkbox"/> Accreditation information
<input type="checkbox"/> Description	<input type="checkbox"/> Discontinuation (attach program discontinuation plan that includes transition of students and timetable for phasing out courses)
<input type="checkbox"/> Type of award	<input type="checkbox"/> Other _____
<input type="checkbox"/> Advisors	
<input type="checkbox"/> Articulation information	

Show all changes on the attached page from the catalog.

**Rationale for proposed changes or discontinuation:**  
ARC170 Design class not needed  
New CON class combines design, pricing & labor techniques

**Financial/staffing/equipment/space implications:**  
No changes

**List departments that have been consulted regarding their use of this program.**  
ARC

**Signatures:**

Reviewer	Print Name	Signature	Date
Initiator	Cristy Lindemann	<i>Cristy Lindemann</i>	03.07.06
Department Chair	Cristy Lindemann	<i>Cristy Lindemann</i>	03.07.06
Division Dean/Administrator	<i>J.P.W.</i>	Granville Leg	3/07/06
Vice President for Instruction	<i>KB</i>	Wesley M. Balay	3/30/06

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 Please submit completed form to the Office of Curriculum and Assessment and email an electronic copy to [sjohn@wccnet.edu](mailto:sjohn@wccnet.edu) for posting on the website.



## Cabinetmaking/Millwork Systems Technology (CVC MST)

## Advanced Certificate

Major/Area Requirements	(15 Credits)
<del>ARC 170</del> Cabinetry and Millwork Design	3
CON 170 Introduction to Cabinetry and Millwork	3
CON 173 Cabinet Making Principles and Concepts	3
CON 175 Cabinet Making Fabrication	3
CON 275 Finishing Concepts and Processes	3

**CON 25D** *Cabinet and Millwork Procurement and Estimating*  
**Minimum Credits Required for the Program:** *15 Credits*  
*Cabinet Shop Management and Fundamentals*

### Cabinetmaking/Millwork Systems Technology (CVC MST)

According to the National Careers Education and Research Institute, the growth in the housing industry has created a demand for skilled precision wood workers. This program is designed to develop skills and knowledge needed for those positions. Students will develop skills related to the design, fabrication, and installation of interior cabinetry and trim systems for residential construction. The program will provide access to specialty careers as trim carpenters, cabinet-makers, furniture makers, and repair technicians.

**Program Admission Requirements:** Students must complete the Residential Construction Technology Certificate to be admitted into the program.

*CON 205*

## Commercial Property Maintenance Technology (CVC PMT)

## Advanced Certificate

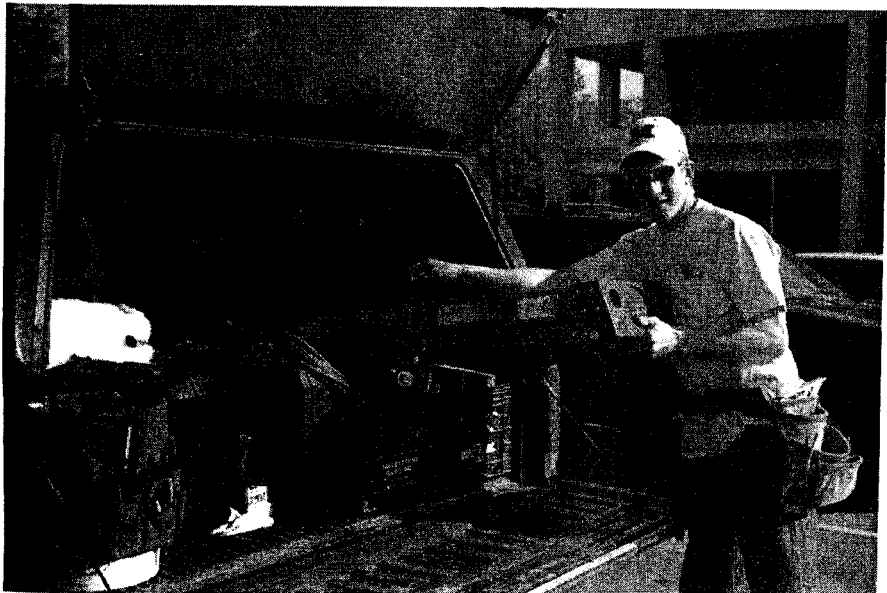
Major/Area Requirements	(12 Credits)
CON 130 Commercial Property Maintenance I	3
CON 133 Commercial Property Maintenance II	3
CON 135 Commercial Property Maintenance III	3
CON 137 Commercial Property Maintenance IV	3

**Minimum Credits Required for the Program:** 12 Credits

### Commercial Property Maintenance Technology (CVC PMT)

With the growth of the construction industry, there is an increased demand for skilled maintenance personnel. This program prepares students for careers in Commercial Property Maintenance. It is designed for career advancement in Facility Management Administration as well as supervisory positions in commercial properties maintenance in multi-family housing, high rise apartments and business centers, hotels and recreational/leisure centers, hospitals, educational institutions, and municipal agencies. Students who complete the program can advance in their career paths by completing the Construction Management, Facility Management Administration, and Heating Ventilating and Air Conditioning certificate programs.

**Program Admission Requirements:** Students must complete the Residential Construction Technology certificate to be admitted into the program.



CONSTRUCTION & BUILDING TRADES PROGRAMS



# Construction and Related Trades

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## Cabinetmaking/Millwork Systems Technology (CVCMST)

### Advanced Certificate

Program Effective Term: Fall 2006

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According to the National Careers Education and Research Institute, the growth in the housing industry has created a demand for skilled precision wood workers. This program is designed to develop skills and knowledge needed for those positions. Students will develop skills related to the design, fabrication, and installation of interior cabinetry and trim systems for residential construction. The program will provide access to specialty careers as trim carpenters, cabinetmakers, furniture makers, and repair technicians.

#### Program Admission Requirements:

Students must complete the Residential Construction Technology certificate to be admitted into the program.

<b>Major/Area Requirements</b>		<b>(15 credits)</b>
CON 170	Introduction to Cabinetry and Millwork	3
CON 173	Cabinet Making Principles and Concepts	3
CON 175	Cabinet Making Fabrication	3
CON 250	Cabinet Shop Management and Fundamentals	3
CON 275	Finishing Concepts and Processes	3
<b>Total Credit Hours</b>		<b>15</b>

**Minimum Credits Required for the Program** **15**

**WASHTENAW COMMUNITY COLLEGE  
PRELIMINARY PROGRAM APPROVAL FORM**

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**Proposed Name of Program:** CABINETRY AND MILLWORK TECHNOLOGY  
CERTIFICATE

**Faculty/Initiator(s):** L. PIERCE

**Division:** HAT      **Department:** CON      **Projected Start up Term:** FALL 03

**Type of Program:**       A.A.       A.S.       A.A.S.

Certificate of Completion       Certificate       Advanced Certificate       Post Associate Certificate

**1. General Description of Program (purpose, curriculum design, need for new courses):**

THIS PROGRAM IS DESIGNED TO FURTHER PREPARE CARPENTERS, FACILITY MAINTENANCE TECHNICIANS AND CONSTRUCTION WORKERS IN THE AREAS OF FINISH CARPENTRY MILLWORK AND CABINETRY. THERE IS INSUFFICIENT TIME IN THE RESIDENTIAL DESIGN AND CONSTRUCTION CERTIFICATE PROGRAM AND THE COMMERCIAL PROPERTY MAINTENANCE CERTIFICATE PROGRAMS TO INTRODUCE AND DEVELOP THE FINER SKILLS AND TECHNIQUES NECESSARY TO FUNCTION EFFECTIVELY AS FINISH CARPENTERS.

TWO EXISTING WOODWORKING COURSES WILL BE REDESIGNED WITH GREATER EMPHASIS ON MILLWORK AND TRIM. A THIRD COURSE WILL BE ADDED TO INTRODUCE FINISHING CONCEPTS AND APPLICATIONS.

**2. Need/rationale for Program (new jobs, industry changes, transfer etc...):**

OUR CURRENT PROGRAM DOES NOT INCLUDE THE MILLWORK CABINETRY AND FINISHING TECHNOLOGIES AND AS SUCH, PROHIBITS OUR STUDENTS FROM COMPETING EFFECTIVELY IN ADVANCING IN THEIR CAREERS IN CONSTRUCTION.

**3. Enrollment Projections:**

This will be an advanced certificate and the credits will be counted as technical electives for the students in the Residential Design and Construction Associates Degree program and the Commercial Property Maintenance Program. Initial projections will include one section each of the new courses for Fall 2003, evening offerings and grow to include one section of each course for daytime offerings. Beginning head count for Fall 03 term will be from 12 to 20 students and increase from there to 30-40 as students complete the Residential Design and Construction Certificate.

**4. Instructional Resources and Space Needs (equipment, labs, classrooms, consumable supplies):**

There is sufficient equipment on hand in the facilities (OE 163) currently in use. Regular annual equipment budget for period replacement of equipment will be sufficient. Should the Board approve the relocation of the Construction Program to the site under consideration, and expanded lab will become available and approximately \$25,000 in new and replacement equipment will be needed,

**5. Faculty Resources (full-time, part-time, consultant):**

Current fulltime and parttime capacity is sufficient.

**6. Curricular Connections/Accreditations (Other WCC instructional units affected, articulation agreements):**

This program will seek accreditation through the National Homebuilders Residential Carpentry Academy and rely upon the involvement of faculty of the Architectural Drafting Department..

**7. Program Development Plan (timetable, costs, personnel):**

The preliminary work has been underway for several months. There are no additional costs in development anticipated. The courses will be submitted to the Curriculum Committee at the first opportunity after the program receives approval

**Signatures:**

Faculty/Initiator: \_\_\_\_\_

Date: \_\_\_\_\_

Department Chair/Director: \_\_\_\_\_

Date: \_\_\_\_\_

*Comments: This program will be expected to proceed on campus in existing facilities should the Board of Trustees determine to postpone the relocation initiative for the construction program.*

Dean(s)/Administrator: *J.P.M. Lee* Date: *3/28/03*

Comments:

Vice President of Instruction:

Approved for development of Program Approval Document (PAD)

Returned for additional review/development (details attached)

Not approved

Signature: *Roger M. Palay* Date: *3/28/03*

## **Cabinetmaking/Millwork Systems Technology (CVCMST)**

### **Advanced Certificate**

**Program Effective Term: Fall 2004**

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According to the National Careers Education and Research Institute, the growth in the housing industry has created a demand for skilled precision wood workers. This program is designed to develop skills and knowledge needed for those positions. Students will develop skills related to the design, fabrication, and installation of interior cabinetry and trim systems for residential construction. The program will provide access to specialty careers as trim carpenters, cabinetmakers, furniture makers, and repair technicians.

#### **Program Admission Requirements:**

Students must complete the Residential Construction Technology certificate to be admitted into the program.

#### **Major/Area Requirements**

**(15 credits)**

ARC 170	Cabinetry and Millwork Design	3
CON 170	Introduction to Cabinetry and Millwork	3
CON 173	Cabinet Making Principles and Concepts	3
CON 175	Cabinet Making Fabrication	3
CON 275	Finishing Concepts and Processes	3

**Minimum Credits Required for the Program:**

**15**

**PROGRAM APPROVAL DOCUMENT (PAD)**Program Name: CABINETMAKING/MILLWORK SYSTEMS TECHNOLOGYProgram Code: EVCMSSTDivision: HATDepartment: Construction Institute (CIND)

CIP Code:

Type of Award:  A.A.  A.S.  A.A.S.  Certificate  Certificate of Completion  Advanced Certificate  Post/CertIs this an occupational program eligible for Perkins Funding?  yes  noEffective Year: Fall 2003**Program Features**

Provide a general description of the program's purpose and general goals. State the criteria for entry into the program, along with projected enrollment figures. Explain any connection to other WCC programs, as well as accrediting agencies or professional organizations. Note any special features of the program, such as jobs for which the student will be prepared, as well as potential career paths.

This program is designed to develop skills and knowledge related to the design, fabrication and installation of interior cabinetry and trim systems for residential construction. College-level reading, writing and computation will be required for entry. This program will provide access to specialty careers as trim carpenters, cabinetmakers, furniture makers and repair technicians. It can either be a point of entry to the construction careers industries or be an additional specialty for residential construction majors.

**Need**

**State the need for the program and provide evidence to support the stated need.**

According to the National Construction Careers Education and Research Institute, cabinetmakers, trim carpenters and millpersons and precision woodworkers is one of the ten leading job areas due to growth and replacement through from 1996-2006. The growth in housing in general has created a demand for skilled carpenters. These carpentry jobs typically involve foundation, framing and exterior systems installers. Few programs in this region provide organized skill development in the design, fabrication and installation of custom cabinetry, millwork and trim.

**Outcomes**

State the overall knowledge to be gained, skills to be learned, and attitudes to be developed by students who participate in this program.

Successful completers of the program will gain skills in the design, fabrication, and installation of custom cabinetry and millwork. Jobs will be available as subcontractors in Residential Construction firms, commercial property maintenance firms, state and municipal institutions and agencies as well as cabinetmaking companies.

**Curriculum**

List the sequence of courses in the program by semester, including credit hours, co- and pre-requisites.

Course ID	Title	Credit	Contact Hours	Prereqs/Coreqs
ARC 170	Cabinetry Design	3	60	CON 170
CON 170	Intro to Cabinetmaking & Millwork	3	60	None
CON 173	Cabinetry Principles	3	60	CON 170
CON 175	Cabinetry Fabrication	3	60	CON 171
CON 275	Finishing Concepts & Processes	3	60	CON 175

**Credits required to complete the program: 15**

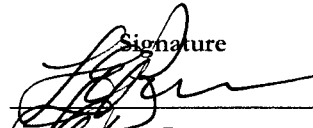
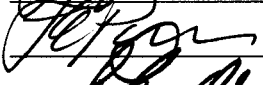





**Assessment**

Describe the assessment process that will be used to determine the effectiveness of the program.  
 Pre and post tests will be used to assess competency in the theoretical components of these courses  
 Student projects and lab activities will be used to assess competencies in the applications.

**Budget**

Specify program costs in the following areas, per academic year, including any start-up costs: faculty, training, travel, materials, resources, facilities, equipment, and any other costs.  
 These courses have been in existence for several years. Existing equipment shared with Construction Programming will suffice, with the replacement of 30 year old Bandsaw, acquisition of 18' single roll wide belt sander, replacement of 18" planer and a multi angle mortiser. These cost will total approximately \$12000.00. Existing facilities and the expansion of the construction facilities will be sufficient. Part-time faculty have taught these courses since there original development.

Approval Recommended:	Print Name	Signature	Date
Program Initiator:	L. Pierce		05-16-03
Dept. Chair/Director	L. Pierce		05-16-03
Dean/Administrator:	Granville Lee		8/14/03
VP of Instruction:	Roger Palay		8/17/03
President:			8/13/03
Date of Board Approval:			