

## PROGRAM PROPOSAL FORM

- ☒ **Preliminary Approval** – Check here when using this form for preliminary approval of a program proposal, and respond to the items in general terms.
- ☐ **Final Approval** – Check here when completing this form after the Vice President for Instruction has given preliminary approval to a program proposal. For final approval, complete information must be provided for each item.

<b>Program Name:</b> <b>Division and Department:</b> <b>Type of Award:</b> <b>Effective Term/Year:</b> <b>Initiator:</b>	<u>Advanced Residential Construction Program</u> <u>HAT Division/Construction Institute (CIND)</u> <input type="checkbox"/> AA <input type="checkbox"/> AS <input type="checkbox"/> AAS <input type="checkbox"/> Cert. <input checked="" type="checkbox"/> Adv. Cert. <input type="checkbox"/> Post-Assoc. Cert. <input type="checkbox"/> Cert. of Comp. <u>Fall 2006</u> <u>Cristy Lindemann</u>		<b>Program Code:</b> <b>CIP Code:</b>
<b>Program Features</b> Program's purpose and its goals. Criteria for entry into the program, along with projected enrollment figures. Connection to other WCC programs, as well as accrediting agencies or professional organizations. Special features of the program.	To prepare students for more advanced area of construction not currently offered in Residential Construction Technology program. Completion of the Residential Construction Technology certificate (CTRCON) for enrollment. Currently the CIND department has enrollment of 60 to 80 students a semester. Projected enrollment in advanced classes would be 25% of this number. Class curriculum and instructing to be done with the assistance of Michigan Small Business and Technology Center and the Home Builders Association. One of our classes will entail starting your own business which is not offered by WCC for credit.		
<b>Need</b> Need for the program with evidence to support the stated need.	The need for this advanced program comes from our student responses to offer more classes that provide assistance for them to make advancement in the construction industry. 50 % of our students are hoping to start their own business, whether it is contracting or property managers, and will need classes discussing contracts and legalities of owning their own business. The industry is lacking trained professionals in certain areas of construction. By offering advanced level classes, the students are gaining the skills needed to fill positions higher than entry level.		
<b>Program Outcomes/Assessment</b> State the knowledge to be gained, skills to be learned, and attitudes to be developed by students in the program. Include assessment methods that will be used to determine the effectiveness of the program.	<b>Outcomes</b> 1. <b>Start and complete a new home from a legal aspect.</b> 2. <b>Use practice advance techniques in residential construction carpentry.</b> 3. <b>Interpret construction codes, and qualify of</b>	<b>Assessment method</b> 1. <b>Testing pre and post</b> 2. <b>Student portfolios</b> 3. <b>Testing and essay</b>	

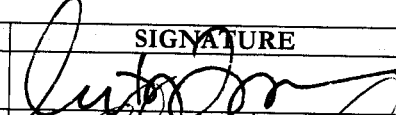
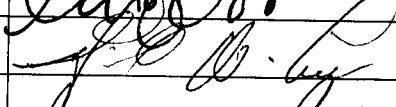


<b>Curriculum</b> List the courses in the program as they should appear in the catalog. List minimum credits required. Include any notes that should appear below the course list.	<p>CON <sup>23</sup><del>23</del> Residential Construction Production – 3 Credits, covers residential materials, estimating scheduling, and quality control.</p> <p>Code requirements and quality control issues</p> <p>CON <sup>22</sup><del>22</del> Residential Construction Licensing, contract, and start up – 3 Credits</p> <p>Covering builders license, construction contracts and new business start up</p> <p>CON <sup>25</sup><del>25</del> Residential Concrete and Exterior Finishes– 3 Credits, lab and lecture</p> <p>Covers the construction of foundations, interior and exterior concrete and exterior finishes.</p> <p>CON <sup>24</sup><del>24</del> Advanced Trim and Interior Finish Techniques – 3 Credits, lab and lecture</p> <p>Covering stair finishing, detailed trim installations, and manufactured cabinet installation.</p> <p>CON <sup>26</sup><del>26</del> Residential Construction Remodeling</p> <p>Basic s of home remodeling from tear out to completion</p> <p><i>*Note: By taking 12 credits here, with the Residential Construction Certificate, student will have 27 Credits and be eligible for Associate in Residential Construction.</i></p>																							
<b>Budget</b> Specify program costs in the following areas, per academic year:	<table border="1"> <thead> <tr> <th></th> <th>START-UP COSTS</th> <th>ONGOING COSTS</th> </tr> </thead> <tbody> <tr> <td>Faculty</td> <td>\$ 5,000.00</td> <td>\$ 7,200.00</td> </tr> <tr> <td>Training/Travel</td> <td>\$ 1,500 .00</td> <td>\$ 500.00</td> </tr> <tr> <td>Materials/Resources</td> <td>\$ 4,000 .00</td> <td>\$ 3000.00</td> </tr> <tr> <td>Facilities/Equipment</td> <td>4,000 .00</td> <td>\$ 500.00</td> </tr> <tr> <td>Other</td> <td>.</td> <td>.</td> </tr> <tr> <td><b>TOTALS:</b></td> <td><b>\$ 14,500.00</b></td> <td><b>\$ 11,200.00</b></td> </tr> </tbody> </table>				START-UP COSTS	ONGOING COSTS	Faculty	\$ 5,000.00	\$ 7,200.00	Training/Travel	\$ 1,500 .00	\$ 500.00	Materials/Resources	\$ 4,000 .00	\$ 3000.00	Facilities/Equipment	4,000 .00	\$ 500.00	Other	.	.	<b>TOTALS:</b>	<b>\$ 14,500.00</b>	<b>\$ 11,200.00</b>
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<b>Program Description for Catalog and Web site</b>	This is an advanced certificate in the residential construction program for specific careers within the industry. This program will prepare students to take exam for builder's license, write contracts for residential construction jobs, and gain necessary techniques needed for specific residential contractors.																							
<b>Program Information</b>	<p><b>Accreditation/Licensure</b> – Possible supplier certificates ( James Hardy for siding LJ Smith for Stair building)</p> <p><b>Advisors</b> – Cristy Lindemann</p> <p><b>Advisory Committee</b> – John Fingerle Fingerle Lumber, Jackie Scheller MI _sbtde</p> <p><b>Admission requirements</b> – Must Have Res. Con Certificate or 2 years in con. industry</p> <p><b>Articulation agreements</b> –</p> <p><b>Continuing eligibility requirements</b> – Grading of 75 % or higher to continue</p>																							

**Assessment plan:**

Program outcomes to be assessed	Assessment tool	When assessment will take place	Courses/other populations	Number students to be assessed
Legal steps of building a home	Building license	When student receive license	All	80%
Portfolios	Rubric	End of each semester	All	80%

**Scoring and analysis plan:**

- Indicate how the above assessment(s) will be scored and evaluated (e.g. departmentally developed rubric, external evaluation, other). Attach the rubric.  
 Legal steps of building a home will be assessed externally by the Michigan Builders license test in Lansing. We will request that the student contact us with they received their letter from the State of Michigan, stating that they passed. Portfolios will be assessed using a departmental rubric, based upon each class lab activity. The beginning project will be looked at as well as the last project to see student growth and skill level.
- Indicate the standard of success to be used for this assessment.  
 From the builders license testing we would want 75% passing this test  
 For the portfolios 80% to meet industry standards
- Indicate who will score and analyze the data.  
 Faculty and advisors
- Explain how and when the assessment results will be used for program improvement.  
 Spring of every year assessment to be completed and used to re write curriculum and first day hand outs for all classes involved.

REVIEWER	PRINT NAME	SIGNATURE	DATE
Department Chair/Area Director	Cristy Lindemann		1.27.04
Dean	Granville Lee		1/30/06
Vice President for Instruction <input type="checkbox"/> Approved for Development <input type="checkbox"/> Final Approval			4/3/06
President			4/4/06
Board Approval			

# Construction and Related Trades

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## Advanced Residential Construction Technology (CVRCN)

### Advanced Certificate

Program Effective Term: Fall 2006

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This advanced certificate prepares students for specific careers in residential construction. The program will prepare students to take the State of Michigan Builder's License exam, create contracts for residential construction projects, and gain necessary techniques for specific residential contractors.

#### Program Admission Requirements:

Completion of the Residential Construction Technology Certificate or two years experience in the construction industry is required for entry into this program.

Major/Area Requirements		(15 credits)
CON 220	Residential Construction Licensing, Contracts, and Start Up	3
CON 230	Residential Construction Production	3
CON 240	Advance Trim and Interior Finish Techniques	3
CON 255	Residential Construction Concrete and Exterior Finishes	3
CON 260	Residential Construction Remodeling	3
Total Credit Hours		15

Minimum Credits Required for the Program 15