Program Information Report

Skilled Trades

Construction Technology I (CTCON1)

Certificate

Program Effective Term: Fall 2025

High Demand Occupation High Wage Occupation

This program prepares students for entry-level jobs in a broad range of careers in the construction industry, where they need an understanding of building systems, the safe use of tools and equipment, materials, and the vocabulary of the field.

Major/Area Requirements		(17 credits)
CON 104	Construction Framing I	3
CON 105	Construction Framing II	3
CON 108	Introduction to Construction Technology	2
CON 204	Construction Finishes - Interior	3
CON 205	Construction Finishes - Exterior	3
CON 255	Construction Concrete and Masonry	3
Minimum Cı	17	

Minimum Credits Required for the Program:

PROGRAM CHANGE FORM

Program Code: CTCON1	Current Program Name: Cor Technology I	nstruction	Effective Term: Fall 2025		
Division Code: ATP	Department: HVAD				
 Directions: 1. Attach the current program listing from the WCC catalog or website 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 CurricUNET, but should be submitted at the same time as the program change form. 4. If changes affect the program assessment plan or if program outcomes are updated, please submit a <u>Program</u> <u>Assessment Plan Change</u> form. These changes must be approved separately from the program change form and should be submitted at the same time. Current program assessment plans can be found on the <u>Curriculum and Assessment</u> <u>Program Information page</u>. 					
Requested Changes: Remove course(s): Program outcomes (may also result from removing or adding a course)* Program title (new title is Program adding a course)* Description Program admission requirements Program admission requirements Other Rescind phase out and return program to active status. Show all changes on the catalog page you attach. Note: A change to the Award Type requires the submission of a new program proposal form and a separate program inactivation form. Contact the Director of					
* Please submit a Program Asse	ssment Plan Change form.		essment for more information.		
Rationale for proposed changes: When the decision was made to deactivate these programs, construction projects were dwindling and there wasn't a high demand for skilled construction laborers. Today's reality is very different and there will be individuals going into the industry looking for ways to stand out among their peers. For this reason, we are creating the new Construction Technology AAS degree, and as part of this effort, bringing back CTCON1 and CVCON2 to be embedded into this new degree, providing students with the opportunity to earn stackable credentials as they work through the program. Both of these certificates had started the phase out process, but we now find renewed justification in the newly revived construction industry. The four courses that were inactivated, but part of CVCON2, are being reactivated as well. We're confident that these were simply ahead of their time, and that this new landscape means the program can have a strong and lasting positive impact for our students.					
A new faculty member, Matt Hag	Financial/staffing/equipment/space implications: A new faculty member, Matt Hagood, has been hired and is spearheading these changes.				
List departments that have been consulted regarding their use of this program.					

Signatures:

Reviewer	Print Name	Signature	Date
Initiator	Matthew A. Hagood	Matthew A. Hagood /s/	02/10/2025

PROGRAM CHANGE FORM

Department Chair	Brian Martindale	Brian Martindale /s/	02/10/2025		
Division Dean/Administrator	Eva Samulski	Eva Samulski /s/	02/10/2025		
Please return completed form to the Office of Curriculum & Assessment, SC 257					
		sessment@wccnet.edu ees we will secure the signature of t			
Reviewer	Print Name	Signature	Date		
Curriculum Committee Chair	Randy Van Wagnen	R Van Wagnen	3/08/25		
Assessment Committee Chair	Jessica Hale	Hale	3/12/25		
Executive Vice President for Instruction	Dr. Brandon Tucker	And -	3/17/25		
Executive Vice President for Instruction	Dr. Brandon Tucker	177	0110		

Reviewed by C&A Committee 2/13/25

Construction Technology I (CTCON1)

Description (unchanged from previous version):

This program prepares students for entry-level jobs in a broad range of careers in the construction industry, where they need an understanding of building systems, the safe use of tools and equipment, materials, and the vocabulary of the field.

Major/Area Requirements (unchanged from previous version)

CON 104	Construction Framing I	3	
CON 105	Construction Framing II	3	
CON 108	Introduction to Construction Technology	2	
CON 204	Construction Finishes – Interior	3	
CON 205	Construction Finishes – Exterior	3	
CON 255	Construction Concrete and Masonry	3	
Minimum (Minimum Credits Required for the Program:		

Program Code: CTCON1	Program Name: Construction Technology I	Effective Term: Fall 2023
Division Code: ATP	Department: HVAC	

Directions: Complete all information below.

Rationale for discontinuation:

The program enrollment has dropped from 28 students in 2019-2022 to two (2) students enrolled in Winter 2022. On average 1.5 students graduated from the program over the period of 2016-2017 to 2019-2020. In 2020-2021 four (4) students graduated from the program. Enrollment numbers:

2016	2017	2018	2019	2020	2021	2022
27	28	17	20	9	5	2

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

Of the two (2) students who are currently enrolled in the program, one will complete the program requirements at the end of winter semester. The other student 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	andan	4.18.22		
Department Chair	Brian Martindale	Bn Martdall	4/19/22		
Division Dean/Administrator	Jimmie Baber	Jimmie Baber	4/19/2022		
Please submit completed form to the Office of Curriculum and Assessment (SC 257) or by e-mail to					
	curriculum.assessme	ent@wccnet.edu			
Once reviewed by the ap	propriate faculty committees we	e will secure the signature of the VPI and	President.		
Reviewer	Print Name	Signature	Date		
Curriculum Committee Chair	Randy Van Wagnen	RV4	5-31-22		
Vice President for Instruction	Victor Vega	the	9/7/2023		
President	Rose B. Bellanca	Kong belance	19/1/23		
Do not write in shaded area. Entered in: Banner — C&A Database 9/11/23 Log File 9/11/23 Board Approval					

Reviewed by C&A Committees 5/19/22

			W COMMUNITY COLLEGE		
PROGRAM CHANGE OR DISCO	ONTINUATION FORM	Technology Z			
	ram Name: Residential Constr	uction I	Effective Term: Fall, 2012		
CTCON1		7			
Division Code: VCT Depa	artment: Construction Institute				
Directions:					
• •	ting from the WCC catalog or We				
Draw lines through any text th a separate sheet.	at should be deleted and write in	additions. Extensive nam	rative changes can be included on		
•	ch type of change being proposed	. Changes to courses, dis	continuing a course, or adding		
new courses as part of the prop	posed program change, must be a	pproved separately using			
	ne time as the program change for	cm.			
Requested Changes:					
$\square Review$	5	Program admission			
	DN 255	Continuing eligibilit			
Program title (title was RES C	CON I)New title - Construction	Accreditation inform			
	Technology I		tach program discontinuation		
Type of award plan that includes transition of students and timetab Advisors for phasing out courses)					
Advisors for phasing out courses)					
Show all changes on the <u>attached page from the catalog</u> .					
Rationale for proposed change			······································		
Assessment and advisory board					
	·····		······································		
Financial/staffing/equipment	/space implications:				
		····			
List departments that have be	en consulted regarding their us	e of this program.			
Signatures:		\land			
Reviewer	Print Name	Signature	e Date		
Initiator	Cristy Lindemann	pump	2/14/2012		
Department Chair	Cristy Lindemann	(him) pr	V - 3/14/2012		
Division Dean/Administrator	Ross Gordon	Kar Gel-	2/15/2012		
Vice President for Instruction	Stuart Blacklaw	1 Sach	2-5-17.		
President	Dr. Rose Bellanca	1 del			

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W logged 2/15/12 STV Office of Curriculum & Assessment

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Residential Construction I

Program Outcomes

- 1. Use tools and equipment safely.
- 2. Construct various projects per construction industry standards.
- 3. Diagnose problems that may arise when light frame construction systems are installed or constructed incorrectly.

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 handson 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.

Construction Technology I (CTCON1)

Certificate

Program Effective Term: Fall 2012

This program prepares students for entry-level jobs in a broad range of careers in the construction industry, where they need an understanding of building systems, the safe use of tools and equipment, materials, and the vocabulary of the field.

Articulation:

Eastern Michigan University, several BS degrees.

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

MAINTAN		
CON 104	Construction Framing I	3
CON 105	Construction Framing II	3
CON 108	Introduction to Construction Technology	2
CON 204	Construction Finishes - Interior	3
CON 205	Construction Finishes - Exterior	3
CON 255	Construction Concrete and Masonry	3
Minimum Cr	edits Required for the Program:	17

Washtenaw Community College.

Certificates and Degrees.

http://www4.wccnet.edu/academicinfo/creditofferings/programs/degree.php?code=CTRC1

Residential Construction I (CTRC1) Construction Technology I

Return to web format »

Certificate

Program requirements shown below are for catalog year: 2011 - 2012 Change Year

Description:

This program prepares students for entry-level jobs in a broad range of careers in the construction industry, where they need an understanding of building systems, the safe use of tools and equipment, materials, and the vocabulary of the field. This program also gives students the potential for being selected for one of the many apprentice classifications associated with the construction field:

Contact Information:

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

Articulation:

Eastern Michigan University, several BS degrees.

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

Major/Area Re	equirements	(15 Credits)
<u>CON 104</u>	Residential Construction Framing I	3
<u>CON 105</u>	Residential Construction H Construction Framing I	3
<u>CON 106</u>		3-
<u>CON 204</u>	Residential Construction III Construction Finishes - Inter Residential Construction IV Construction Finishes - Exter Introduction to Construction Technology Construction Concrete & Masonry its Required for the Program:	rior 3
<u>CON 205</u>	Residential Construction IV Construction Finishes Exter	ior 3
CONIOS	Introduction to Construction Technology	2
CON 255	Construction Concrete & Masonry	3
Minimum Cred	its Required for the Program:	- 15 -Credits
		17

Estimated Cost	
Tuition & Fees	\$2,580.00
Books & Supplies	\$425.00
Total Cost	\$3,005.00

Length of Program

Intended time to complete

2 semesters

Careers Related to this Program

First-Line Supervisors/Managers of Construction Trades and Extraction Workers Solar Energy Installation Managers

 ₩ , • 		WASHT	ENAW COMMUNITY	College
PROGRAM CHANGE OR DISCONT	SINUATION FORM			
Program Code: Program	Name: Residen	tial Const.	TechEffective Ter	m: F06
Program Code: Program Division Code: HAT Dep	artment: Constru	ction		
Directions:	· · · · · · · · · · · · · · · · · · ·	- A		
 Attach the current program listing Draw lines through any text that s a separate sheet. 	from the WCC catalog or We hould be deleted and write in	eb site and indicate an additions. Extensive	y changes to be made. narrative changes can b	e included on
3. Check the boxes below for each ty new courses as part of the propose should be submitted at the same ti	ed program change, must be a	pproved separately us	discontinuing a course, ing a Master Syllabus fo	or adding orm, but
Requested Changes:			ал. — — — — — — — — — — — — — — — — — — —	
Beview ARC Add course(s): Program title (title was Description Type of award Advisors Articulation information	101 ConstructionZ	 Program outcon Accreditation in Discontinuation plan that include for phasing out of 	bility requirements nes formation (attach program discon es transition of students	tinuation and timetable
Show all changes on the attached page fr	om the catalog.			
Rationale for proposed changes of AVC CLOSS IS What we cove	discontinuation: duplication of run con1-4	·····		
Financial/staffing/equipment/sp	ace implications:			
Ø				
List departments that have been co		e of this program.		
Signatures:				
Reviewer	Print Name	Signat		Date
Initiator	Cristy Unarmor	n yma		3.07.06
Department Chair	Chern Lindema	nn lum	m o	3.07.06
Division Dean/Administrator	GRANVille AFIG	AFG COS.	lique 1 3	7/06
Vice President for Instruction 13 Do not write in shaded area. Entered in: Ba	Mary - C a lay	Mars Mi	Talas. 3	120/06

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Office of Curriculum & Assessment

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Residential Construction Technology (CTRCON)

Certificate

Major/Area Requirements		(15 Credits)
CON 104	Construction I	3
CON 105	Construction II	3
CON 106	Construction Math, Measurement and Graphics	3
CON 204	Construction III	3
CON 205	Construction IV	3

Minimum Credits Required for the Program:

15 Credits

(15 Credits)

3 3

3

3 3

Notes: Students can earn an associate degree in Residential Construction Technology by following the Occupational Studies Program.

Advanced Residential Construction (CVRCN)

Major/Area Requirements

CON 220	Residential Construction Licensing, Contracts, and Start Up
CON 230	Residential Construction Production
CON 240	Advance Trim and Interior Finish Techniques
CON 255	Residential Construction Concrete and Exterior Finishes
CON 260	Residential Construction Remodeling

Minimum Credits Required for the Program:

15 Credits

Advanced Certificate

Residential Construction Technology

This program prepares you for entry-level jobs in a broad range of careers in the con-

struction industry, where you'll need an understanding of building systems, the safe use of tools and equipment, materials, and the vocabulary of the field. This program also gives you the potential for being

selected for one of the many apprentice classifications associated with the construc-

(CTRCON)

tion field.

Advanced Residential Construction
Technology (CVRCN)
This advanced certificate prepares students
for specific careers in residential construc-
tion. The program will prepare students to
take the State of Michigan Builder's License-
exam, create contracts for residential con-
struction projects, and gain necessary tech-
niques for specific residential contractors.
Program Admission Requirements:
Completion of the Residential Construction.
Technology Certificate or two years experi-
ence in the construction industry is required
for entry into this program.



www.wccnet.edu

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a separate sheet.

PROGRAM CHANGE OR DISCONTINUATION FORM

Program Code: -CTRON-	Program Name: Residential Construction I	Effective Term: W07
Division Code: HAT	Department: Construction	new code CTRC1
Directions:		ылааны ал алан айндага арал ал ал болдогоор ар ал ал айн
1. Attach the current prog	gram listing from the WCC catalog or Web site and ind	icate any changes to be made.
2. Draw lines through any	text that should be deleted and write in additions. Ex	ensive narrative changes can be included on

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:	
Review Remove course(s): Add course(s): Program title (title was Residential Construction Technology) Description Type of award Advisors Articulation information Show all changes on the attached page from the catalog.	 Program admission requirements Continuing eligibility requirements Program outcomes Accreditation information Discontinuation (attach program discontinuation plan that includes transition of students and timetable for phasing out courses) Other

Rationale for proposed changes or discontinuation:

For a student locating on line and in course information to line up with new advanced program.

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

Curriculum and assessment and Dean of Admissions

<u><u></u></u>	
Ninn	atutes
orgi	atures:

Reviewer	Print Name	Signature	Date
Initiator		1	
Department Chair	Cristy Lindemann	with mr.	7.24.06
Division Dean/Administrator	Granville Lee	pit U. an	7/24/06
Vice President for Instruction		Mager M. Valace	7/26/06
President	,		
Do not write in shaded area. Entered i	n: Banner & C&A Database	10 13 Log File 7/24/de Board Approval	

Please submit completed form to the Office of Ourriculum and Assessment and email an electronic copy to sjohn@wccnet.edu for posting on the website.

Return to web format »

Programs: Residential Construction Technology (CTRCON)

Certificate

Program requirements shown below are for catalog year: 2005 - 2006 🐨 Change Year

Description: This program prepares students for entry-level jobs in a broad range of careers in the construction industry, where they need an understanding of building systems, the safe use of tools and equipment, materials, and the vocabulary of the field. This program also gives students the potential for being selected for one of the many apprentice classifications associated with the construction field.

Division: Health and Applied Technologies

Department: Construction Institute

Advisors: Cristy Lindemann

Major/Are	a Requirements	(15 Credits)
, <u>ARC 101</u>	Graphic Communication for the Construction Industry	
<u>CON 104</u>	Construction I	3
<u>CON 105</u>	Construction II	3
CON 204	Construction III	3
<u>CON 205</u>	Construction IV	3
CON	Residential Construction Basics	3

Total Credits Required for the Program:

15 Credits

Footnotes:

*Students can earn an associate degree in Residential Construction Technology by following the Occupational Studies Program.

Additional Information:

Related Web Sites:

This website is for informational purposes only and is not to be construed as a binding offer or contract between WCC and the student. The information presented here is believed accurate, but is NOT guaranteed and is subject to change without notice.

For official information, see an Advisor.

Back to the A to Z List of Programs View Programs in Career Areas/Paths

Residential Construction Technology (CTRCON)

Certificate

Program Effective Term: Fall 2006

This program prepares students for entry-level jobs in a broad range of careers in the construction industry, where they need an understanding of building systems, the safe use of tools and equipment, materials, and the vocabulary of the field. This program also gives students the potential for being selected for one of the many apprentice classifications associated with the construction field.

Major/Ar	ea Requirements	(15 credits)
CON 104	Construction I	3
CON 105	Construction II	3
CON 106	Residential Construction Math, Measurement, and Graphics	3
CON 204	Construction III	3
CON 205	Construction IV	3
	Total Credit Hours	15

Minimum Credits R	equired for the Program	15
MILLINIALIS ALCAIRS IV	Equiled for the rigginn	

Notes:

*Students can earn an associate degree in Residential Construction Technology by following the Occupational Studies Program.

Program Approval Document

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Achievement Certificate In

CONSTRUCTION TECHNOLOGY

Prepared by Les Pierce Washtenaw Community College

April 8, 1999

NZ.

WASHTENAW COMMUNITY COLLEGE PROGRAM AUTHORIZATION FORM

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I. Program Title: Construction Technology		Program Gode: R C
	TEC	cit: Code
	—	🗋 A.T.S.
4. Type of Program.		t Certificate
		6. Effective Year: Fall 1999
7. Program Description (for Catalog, brochures, etc. This certificate program will prepare individuals to per construction industries. Students who successfully or the safe and effective use of construction tools and er installation processes and an effective technical voca homebuilding, remodeling, maintenance, supplier/ver selection for many of the apprenticeable classification	omplete the program will i quipment, a broad-based ibulary that will enable the	understanding of building systems, materials and m to compete effectively on the job in eld office support as well as improve chances of
8. Advisors: Les Pierce	10. Criteria 1	or Continuing Program Eligibility:
9. Admissions Criteria:		
A. Program Description E. Prog	ram Cost Analysis rse Descriptions	G. Analysis of Affected Instructional Units H. Articulations I. Licensure/Accreditation Date
Approval Recommended: Print Name	Signature	k
Program Initiator: Les Pierce	- Alle	
Department Chair/Director: Les Pierce	Jenn	a a t
Dean: Roger Bertola		Kathing
VP, Instruction/Student Services: <u>Guy Altien</u>	- Adar 6	11111 6/3/59
President: <u>Larry Whitworth</u> Date of Board Approval: <u>Mail 25,1999</u> Available on disk		haver crong
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Customer and Association Services Countries Countries Countries Countries File Contraction File Countries Countries

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		Credit	Pre-requisites/Co-requisites
Course	Title		
CON 19#	Construction I	5	None
CON 192 105	Construction II	5	CON 101 or consent
CON 208 4	Construction III	4	CON 101 and 102 or consent
CON 2045	Construction IV	4	CON 101, 102, and 203 or consent
CON 174 or CON 199	Construction Co-Op I or On the Job Training	2	Consent
Minimum Credits Required:			

COURSE REQUIREMENTS FOR PROGRAM

20

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A. PROGRAM DESCRIPTION

This certificate program will prepare individuals to compete effectively for entry level jobs in the broad range of careers in the construction industry. With a basic understanding of building systems, tool and equipment use, materials and processes, graduates will obtain employment in the homebuilding and remodelling industries that are currently experiencing a profound shortage of qualified employees. In addition, the transferable skills acquired in this program will prepare individuals to enter employment in a wide range jobs requiring knowledge of building systems. These include material suppliers, regional product representatives and the inspection industries. Acquiring these skills will improve applicant chances of selection for apprenticeships available in the building industries and building trades.

B. PROGRAM GOALS

The certificate in construction technology is designed to provide students with income-producing skills that will help them obtain and keep jobs in the broad field of building construction. Graduates will acquire basic skills in foundations, frame construction, roofing and exterior coverings, door and window installation, drywall installation, flooring and trimwork and a perspective on the interactions among all facets of building systems.

C. NEEDS ASSESSMENT

- Information about employment trends from the Michigan Occupational Information System (MOIS) suggests that employment opportunities for construction laborers in Michigan will grow about as fast as average for all occupations through the year 2005, with a projected 270 openings expected annually (80 due to growth and 190 due to replacement). Employment for construction inspectors nationwide is expected to increase about as fast as the average through 2006. In Michigan, employment should grow faster than average through 2005, with a projected 100 openings expected annually (50 due to growth, and 50 due to replacement). Better than average growth is predicted for the short term due to recent increases in new residential and non-residential construction. Information from MOIS suggests that graduates of this program who work as unionized construction
- laborers can expect to earn between \$24.39 and \$25.87 an hour in the Detroit area. Those who become construction inspectors can expect to earn between \$23,400 and \$60,500 in Michigan, depending on experience and level of responsibility. Advanced training and experience can lead to a higher paying supervisory position.

D. ENROLLMENT PROJECTIONS

Class capacity of 15 students for Contruction I is expected for Fall 1999. Retention for successive terms is expected to remain near capacity. Adroit scheduling of the Construction Laboratory and the addition of a lab instructor in the ensuing terms will enable the department to serve all levels of competence simultaneously. It is projected that 30 graduates will complete the program by the fifth semester of

The activity level in the building industry is expected to rise only slightly seasonally and stabilize at the present level over the next three to five years. If interest rates remain at the current levels, new housing starts will be sustained. Currently and for the next three years the level of activity is expected to remain unusually high in all aspects of the building industry.

E. PROGRÁM COST ANALYSIS

\$65,000.00 in start up costs will be required to bring the Construction Laboratory into compliance with the National Electrical Code, relocate the existing dust control system and purchase class-size quantities of construction equipment, i.e.: portable power saws, drills, handtools, etc. It should be noted that this instructional space will continue to be utilized for existing cabinetmaking coursework and an array of new non-credit programs in currently in development.

\$2000.00 per semester will be required for consumable supplies and materials. \$25,000,00 per year will be required for a half-time Lab Instructor, totalling an estimated first year start up cost of \$92,000.00. Equipment replacement cost is anticipated at \$750.00 per semester after the first year of operation. It is expected that Part-time Faculty will staff this program.

F. COURSE DESCRIPTIONS

CON 10 CON I Construction I This course includes an introduction to construction site safety covering portable equipment, scaffolding, personal safety and material handling. Students will be introduced to the basics of residential blueprints, sketching and shop drawings using a systems approach that includes foundations, framing, interior and exterior systems and roof systems. Students begin to develop a professional vocabulary using appropriate technical terminology in order to communicate effectively with jobsite and construction office personnel. After demonstrating competencies in measurement and layout plus the safe use of portable equipment, students will develop basic construction skills constructing team projects involving foundation systems, floor, wall, and roof framing.

CON I Construction II

This is a continuation of Construction I. After demonstrating sufficient skills and understanding of safe tools and equipment use, the students will team up to develop skills that include installation of floor covering systems, door and window installation, drywall installation, exterior wall covering systems, and roofing systems application. Tear down and demolition processes are important elements of this course.

This course covers the broad range of common construction materials, including recent technological developments in structural support, sound control, insulation and exterior coverings. Students will be introduced to basic concepts of estimating and a further study of residential and light commercial printreading. Further development of technical vocabulary skills are included.

CONPCON IV Construction IV

This course introduces the student to basic concepts of project management, including a further study of estimating and bid preparation, scheduling basics, jobsite management concepts, and an introduction to building codes.

CON 174 Co-op Education I

In this course the student gains skills from a new experience in an approved, compensated position related to the chosen field of study. Together with the instructor and employer, the student sets up work assignments and learning objectives to connect classroom learning with career-related work experience. This is the first of two possible Co-op experiences.

CON 199 On the Job Training

On the job training provides actively employed students in building construction an opportunity to earn credit for experiences that may not be available through the College's regular programming.

G. ANALYSIS OF AFFECTED INSTRUCTIONAL UNITS

This certificate program is designed to provide entry-level job skills in building construction. It is expected that as the graduates acquire more time on the job, they will determine that both career and pay advancement will require additional specialized skill development. Graduates may decide to continue their education in pursuit of an Associates Degree in Construction Management. The College also has a complimentary array of advanced programming in Architecture and Business Administration that will be of interest to the graduate of the Construction Technology Certificate Program.

H. ARTICULATIONS

Current articulation agreements with the Public School System will continue in place. Those students who successfully complete two semesters of coursework in the Homebuilding Industries Programs in area High Schools and are recommended by their instructors will receive articulated credit for CON I -Construction I and CON II - Construction II.

I. LICENSURE/ACCREDITATION (IF APPLICABLE)

The College provides opportunities for individuals to prepare for the Builder's Licensing Examination four times each calendar year. Accreditation of Construction Programming is limited to Associate and Baccalaureate level programming.

CONSTRUCTION TECHNOLOGY CERTIFICATE **20 CREDITS**

CONSTRUCTION I PREREQUISITES: NONE 5 CREDITS- 8 CONTACT HOURS

THIS COURSE INCLUDES AN INTRODUCTION TO CONSTRUCTION SITE SAFETY COVERING PORTABLE EQUIPMENT, SCAFFOLDING, PERSONAL SAFETY AND MATERIAL HANDLING. STUDENTS WILL BE INTRODUCED TO THE BASICS OF RESIDENTIAL BLUEPRINTS, SKETCHING AND SHOP DRAWINGS USING A SYSTEMS APPROACH THAT INCLUDES FOUNDATIONS, FRAMING, INTERIOR AND EXTERIOR SYSTEMS AND ROOF SYSTEMS. STUDENTS BEGIN TO DEVELOP A PROFESSIONAL VOCABULARY USING APPROPRIATE TECHNICAL TERMINOLOGY IN ORDER TO COMMUNICATE EFFECTIVELY WITH JOBSITE AND CONSTRUCTION OFFICE PERSONNEL. AFTER DEMONSTRATING COMPETENCIES IN MEASUREMENT AND LAYOUT PLUS THE SAFE USE OF PORTABLE EQUIPMENT, STUDENTS WILL DEVELOP BASIC CONSTRUCTION SKILLS CONSTRUCTING TEAM PROJECTS INVOLVING FOUNDATION SYSTEMS, FLOOR, WALL AND ROOF FRAMING. 4 HOURS LECTURE AND 4 HOURS LABORATORY.

CONSTRUCTION II PREREQUISITES: CON I OR CONSENT

5 CREDITS- 8 CONTACT HOURS

THIS IS A CONTINUATION OF CONSTRUCTION II. AFTER DEMONSTRATING SUFFICIENT SKILLS AND UNDERSTANDING OF SAFE TOOLS AND EQUIPMENT USE, THE STUDENTS WILL TEAM UP TO DEVELOP SKILLS THAT INCLUDE INSTALLATION OF FLOOR COVERING SYSTEMS, DOOR AND WINDOW INSTALLATION, DRYWALL INSTALLATION, EXTERIOR WALL COVERING SYSTEMS AND ROOFING SYSTEMS APPLICATION. TEAR DOWN AND DEMOLITION ARE IMPORTANT ELEMENTS OF THIS COURSE. 4 HOURS LECTURE AND 4 HOURS LABORATORY.

CONSTRUCTION III -PREREQUISITE: -CON I AND II OR CONSENT

4 CREDITS-4 CONTACT HOURS

THIS COURSE COVERS THE BROAD RANGE OF COMMON CONSTRUCTION MATERIALS INCLUDING RECENT TECHNOLOGICAL DEVELOPMENTS IN STRUCTURAL SUPPORT, SOUND CONTROL, INSULATION AND EXTERIOR COVERINGS. STUDENTS WILL BE INTRODUCED TO BASIC CONCEPTS OF ESTIMATING AND A FURTHER STUDY OF RESIDENTIAL AND LIGHT COMMERCIAL PRINTREADING. FURTHER DEVELOPMENT OF TECHNICAL VOCABULARY SKILLS ARE INCLUDED.

4 HOURS LECTURE.

CONSTRUCTION IV - PREREQ: CON I, II, AND III OR CONSENT

4 CREDITS-4 CONTACT HOURS

THIS COURSE INTRODUCES THE STUDENT TO BASIC CONCEPTS OF PROJECT MANAGEMENT INCLUDING A FURTHER STUDY OF ESTIMATING AND BID PREPARATION, SCHEDULING BASICS, JOBSITE MANAGEMENT CONCEPTS AND AN INTRODUCTION TO BUILDING CODES. 4 HOURS LECTURE.

STUDENTS ARE REQUIRED TO COMPLETE A TWO CREDIT CON 174 OR CON 199, CO-OP OR INTERNSHIP IN THE SPRING/SUMMER TERM.