

Program Discontinuation Form

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		4/18/22
Department Chair	Brian Martindale		4/19/22
Division Dean/Administrator	Jimmie Baber		4/19/2022

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

Do not write in shaded area. Entered in: Banner C&A Database Log File Board Approval

Reviewed by C&A Committees 5/19/22

PROGRAM CHANGE OR DISCONTINUATION FORM

Technology I

Program Code: ~~CTRC1~~ *CTCON1* Program Name: ~~Residential Construction I~~ *1*

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 checked="" type="checkbox"/> Remove course(s): <u>_CON106</u> | <input checked="" type="checkbox"/> Continuing eligibility requirements |
| <input checked="" type="checkbox"/> Add course(s): <u>CON 102, CON 255</u> | <input checked="" type="checkbox"/> Program outcomes |
| <input checked="" type="checkbox"/> Program title (title was RES CON I) <u>New title - Construction Technology I</u> | <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:

Assessment and advisory board recommendations.

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	<i>[Signature]</i>	2/14/2012
Department Chair	Cristy Lindemann	<i>[Signature]</i>	2/14/2012
Division Dean/Administrator	Ross Gordon	<i>[Signature]</i>	2/15/2012
Vice President for Instruction	Stuart Blacklaw	<i>[Signature]</i>	2-5-12
President	Dr. Rose Bellanca	<i>[Signature]</i>	

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

for work
logged 2/15/12 sgv
Office of Curriculum & Assessment

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.

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

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

Major/Area Requirements		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 Credits Required for the Program: 17

Washtenaw Community College.

Certificates and Degrees.

<http://www4.wccnet.edu/academicinfo/creditoofferings/programs/degree.php?code=CTRC1>

[Return to web format »](#)

~~Residential Construction I (CTRC1)~~ *Construction Technology I*
Certificate

Program requirements shown below are for catalog 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: School of Construction Technology
Department: Construction Institute Dept
Advisors: Brad Hoth, Cristy Lindemann

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>

Major/Area Requirements		(15 Credits)
CON 104	Residential Construction I <i>Construction Framing I</i>	3
CON 105	Residential Construction II <i>Construction Framing II</i>	3
CON 106	Math, Measurement, and Graphics	3
CON 204	Residential Construction III <i>Construction Finishes - Interior</i>	3
CON 205	Residential Construction IV <i>Construction Finishes - Exterior</i>	3
<i>CON 108</i>	<i>Introduction to Construction Technology</i>	<i>3</i>
<i>CON 255</i>	<i>Construction Concrete & Masonry</i>	<i>3</i>
Minimum Credits 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

PROGRAM CHANGE OR DISCONTINUATION FORM

Program Code: CTROPN Program Name: Residential Const. Tech Effective Term: F06

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 101</u>	<input type="checkbox"/> Continuing eligibility requirements
<input checked="" type="checkbox"/> Add course(s): <u>CON 2-106 Construction I</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:
ARC class is duplication of what we cover in CON 1-4

Financial/staffing/equipment/space implications:
Ø

List departments that have been consulted regarding their use of this program.
ARC / DEAN WILSON

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	Granville Davis	<i>Granville Davis</i>	3/7/06
Vice President for Instruction	Mayor Palay	<i>Mayor Palay</i>	3/30/06

Do not write in shaded area. Entered in: Banner _____ C&A Database _____ Log File 3/16/06
 Please submit completed form to the Office of Curriculum and Assessment and email an electronic copy to sjohn@wccnet.edu for posting on the website.

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

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

Residential Construction Technology (CTRCON)

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

Advanced Residential Construction (CVRCN)

Advanced Certificate

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

Minimum Credits Required for the Program: 15 Credits

Advanced Residential Construction Technology (CVRCN)

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.



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:

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

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

Signatures:

Reviewer	Print Name	Signature	Date
Initiator			
Department Chair	Cristy Lindemann	<i>[Signature]</i>	7.24.06
Division Dean/Administrator	Granville Lee	<i>[Signature]</i>	7/24/06
Vice President for Instruction		<i>[Signature]</i>	7/26/06
President			

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

Washtenaw Community College.

Certificates and Degrees A to Z.

<http://www.wccnet.edu/academicinfo/creditoofferings/programs/atoz/atoz2.php?code=CTRCON>

[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/Area Requirements (15 Credits)

ARC 101	Graphic Communication for the Construction Industry	3
CON 104	Construction I	3
CON 105	Construction II	3
CON 204	Construction III	3
CON 205	Construction IV	3
CON 106	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](#)

Construction and Related Trades

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/Area 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 Required for the Program **15**

Notes:

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

**Program Approval Document
Achievement Certificate
In
CONSTRUCTION TECHNOLOGY**

Prepared by
Les Pierce
Washtenaw Community College

April 8, 1999

**WASHTENAW COMMUNITY COLLEGE
PROGRAM AUTHORIZATION FORM**


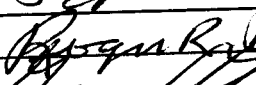
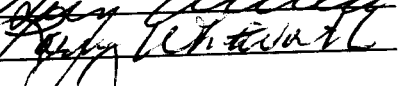


1. Program Title: Construction Technology Program Code: RCT
 2. Division: TEC 3. Department: TEC CIP Code: _____
 4. Type of Program: A.A. A.S. A.A.S. A.T.S.
 Advanced Certificate Mastery Certificate Achievement Certificate Certificate of Completion
 5. Will this program be Perkins funded? yes no 6. Effective Year: Fall 1999

7. Program Description (for Catalog, brochures, etc.):
 This certificate program will prepare individuals to perform successfully in entry-level jobs in the broad range of careers in the construction industries. Students who successfully complete the program will have a basic understanding of building systems, the safe and effective use of construction tools and equipment, a broad-based understanding of building systems, materials and installation processes and an effective technical vocabulary that will enable them to compete effectively on the job in homebuilding, remodeling, maintenance, supplier/vendor/sales positions and field office support as well as improve chances of selection for many of the apprenticeable classifications associated with the broad field of construction.

8. Advisors: Les Pierce

9. Admissions Criteria:	10. Criteria for Continuing Program Eligibility:
None	

11. Attach a Program Approval Document (PAD), which includes the following:
- A. Program Description
 - B. Program Goals
 - C. Needs Assessment
 - D. Enrollment Projections
 - E. Program Cost Analysis
 - F. Course Descriptions
 - G. Analysis of Affected Instructional Units
 - H. Articulations
 - I. Licensure/Accreditation

Approval Recommended:	Print Name	Signature	Date
Program Initiator:	<u>Les Pierce</u>		_____
Department Chair/Director:	<u>Les Pierce</u>		_____
Dean:	<u>Roger Bertola</u>		_____
VP, Instruction/Student Services:	<u>Guy Altieri</u>		_____
President:	<u>Larry Whitworth</u>		<u>6/3/99</u>
Date of Board Approval:	<u>May 25, 1999</u>		

Available on disk

COURSE REQUIREMENTS FOR PROGRAM

Course	Title	Credit	Pre-requisites/Co-requisites
CON 101 104	Construction I	5	None
CON 102 105	Construction II	5	CON 101 or consent
CON 208 4	Construction III	4	CON 101 and 102 or consent
CON 204 5	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:		20	

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 Construction 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 operation.

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. PROGRAM 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 101 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 105 CON II 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.

CON 204 CON III Construction III

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.

CON 205 CON 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.