# Drafting/Architecture II Course No. 38050 Credit: 0.5

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| **Student name:**  |  | **Graduation Date:** |  |

Pathways and CIP Codes:Construction & Design (46.0000) - Design Strand

Course Description: An advanced **application level** course covering specific research-based topics in architectural design.

Directions:The following competencies are required for full approval of this course. Check the appropriate number to indicate the level of competency reached for learner evaluation.

**RATING SCALE:**

4. Exemplary Achievement: Student possesses outstanding knowledge, skills or professional attitude.

3. Proficient Achievement:Student demonstrates good knowledge, skills or professional attitude. Requires limited supervision.

2. Limited Achievement:Student demonstrates fragmented knowledge, skills or professional attitude. Requires close supervision.

1. Inadequate Achievement:Student lacks knowledge, skills or professional attitude.

0. No Instruction/Training:Student has not received instruction or training in this area.

**Prerequisite**: 21103 Drafting/Architecture I

## Benchmark 0: The following competencies are to be taught within ALL application level courses offered in your school's approved pathway.Click or tap here to enter text.

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 0.1 | Demonstrate an understanding of industry standards for personal safety including the safe use of tools, equipment, and hazardous materials |  |
| 0.2 | Demonstrate time management skills. |  |
| 0.3 | Create and utilize employment documents including a resume and portfolio. |  |
| 0.4 | Demonstrate job seeking and interview skills. |  |
| 0.5 | Understand and respond to performance reviews. |  |

## Benchmark 1: Drafting/Architecture Application

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 1.1 | Compare and contrast architectural trends to current building and architectural trends. |  |
| 1.2 | Employ basic methods of data collection and analysis to provide information for projects. |  |
| 1.3 | Research and report on methods for employing “Green Building” techniques. |  |
| 1.4 | Research and report on the latest technology used in HVAC Systems design. |  |
| 1.5 | Research and report on the latest technology used in Electrical Systems Design. |  |
| 1.6 | Research and report on the latest technology used in Plumbing Systems Design. |  |
| 1.7 | Apply suitable practices of environmental impact to enhance project acceptance and quality. |  |
| 1.8 | Integrate structural, environmental, safety, building envelopes and building service systems to design and construct buildings and structures. |  |
| 1.9 | Determine the effects that the principles and elements of architectural design have on the individual, aesthetics, and function of the designed space. |  |
| 1.10 | Develop a landscape design for a commercial building. |  |
| 1.11 | Appreciate the diversity of needs, values and social patterns in project design to appropriately meet client needs. |  |
| 1.12 | Use communication skills and strategies to work effectively with potential clients. |  |
| 1.13 | Develop a set of construction documents that align with current architectural standards. |  |
| 1.14 | Examine floor plans for efficiency, safety, and area including, but not limited to, zones, traffic patterns, storage, electrical and mechanical systems. |  |
| 1.15 | Use advanced understanding of all applicable building codes, universal guidelines, and regulations in planning architectural and landscape projects. |  |
| 1.16 | Present project design to panel of peers for comments. |  |

I certify that the student has received training in the areas indicated.

Instructor Signature:

For more information, contact:

CTE Pathways Help Desk

(785) 296-4908

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