# Advanced Studies 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.

## 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: Click or tap here to enter text.

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 1.1 | Employ basic methods of data collection and analysis to provide information for projects. |  |
| 1.2 | Research and report on methods for employing “Green Building” techniques. |  |
| 1.3 | Research and report on the latest technology used in HVAC Systems design. |  |
| 1.4 | Research and report on the latest technology used in Electrical Systems Design. |  |
| 1.5 | Research and report on the latest technology used in Plumbing Systems Design. |  |
| 1.6 | Apply suitable practices of environmental impact to enhance project acceptance and quality. |  |
| 1.7 | Integrate structural, environmental, safety, building envelopes and building service systems to design and construct buildings and structures. |  |
| 1.8 | Develop a landscape design for a commercial building. |  |
| 1.9 | Appreciate the diversity of needs, values and social patterns in project design to appropriately meet client needs. |  |
| 1.10 | Use communication skills and strategies to work effectively with potential clients. |  |
| 1.11 | Develop a set of construction documents that align with current architectural standards. |  |
| 1.12 | 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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