

Advanced Studies: Construction and Design (2023)

The following competencies are to be taught within ALL application level courses offered in your school's approved pathway. 0

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

Benchmark 1 1

- 1 Employ basic methods of data collection and analysis to provide information for projects. 1.1
- 2 Research and report on methods for employing “Green Building” techniques. 1.2
- 3 Research and report on the latest technology used in HVAC Systems design. 1.3
- 4 Research and report on the latest technology used in Electrical Systems Design. 1.4
- 5 Research and report on the latest technology used in Plumbing Systems Design. 1.5
- 6 Apply suitable practices of environmental impact to enhance project acceptance and quality. 1.6
- 7 Integrate structural, environmental, safety, building envelopes and building service systems to design and construct buildings and structures. 1.7
- 8 Develop a landscape design for a commercial building. 1.8
- 9 Appreciate the diversity of needs, values and social patterns in project design to appropriately meet client needs. 1.9

10 Use communication skills and strategies to work effectively with potential clients. 1.10

11 Develop a set of construction documents that align with current architectural standards. 1.11

12 Present project design to panel of peers for comments. 1.12