

## Building Environmental Systems Operator (Class II)

### Durham College Certificate

#### *Program of Study 2021/22*

- Students starting in the 2021/22 academic year (Sept. - Aug.) must follow the Program of Study shown below.
- If you began your studies prior to the 2021/22 academic year, please contact Centre for Professional and Part-time Learning at 905-721-3052 or [ppl@durhamcollege.ca](mailto:ppl@durhamcollege.ca) to obtain the Program of Study that applies to your start date.
- You will have a maximum of five years from the start of your first course to complete this certificate.
- Upon successfully completing the courses below and any additional program specific requirements, you may apply to graduate by visiting the [Centre for Professional and Part-time Learning Convocation webpage](#).
- Not all courses are available every semester. Please visit the [Program Page](#) to view current course availability.
- Tip: Monitor your progress by entering your marks and completion dates in the column provided below.

#### Required Courses (Suggested Sequence of Study)

| Course Name                                 | Course Codes |          | Pre-requisite(s)*       | Day School Equivalent | Completion Date & Mark |
|---|--------------|----------|-------------------------|-----------------------|------------------------|
| BES: Building Systems: A Practical Overview | Online       | BES 6080 | *Suggest to take first* | N/A                   |                        |
| BES: Heating                                | Online       | BES 7081 | N/A                     | N/A                   |                        |
| BES: Air Conditioning & Refrigeration       | Online       | BES 7082 | N/A                     | N/A                   |                        |
| BES: Air Handling                           | Online       | BES 7083 | N/A                     | N/A                   |                        |
| BES: Electrical                             | Online       | BES 7084 | N/A                     | N/A                   |                        |
| BES: Controls                               | Online       | BES 7085 | N/A                     | N/A                   |                        |
| BES: Water Treatment                        | Online       | BES 7086 | N/A                     | N/A                   |                        |

\*Courses without a pre-requisite(s) can be taken at any time during your Program of Study

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| <b>Required Courses</b>  |                     |          |                          |                              |                                   |
|--|---------------------|----------|--------------------------|------------------------------|-----------------------------------|
| <b>Course Name</b>   | <b>Course Codes</b> |          | <b>Pre-requisite(s)*</b> | <b>Day School Equivalent</b> | <b>Completion Date &amp; Mark</b> |
| ALL BES CLASS II COURSES   |                     | VARIOUS  | N/A                      | N/A                          |                                   |
| BES: Energy Efficiency in Large Buildings  | Online              | BES 7180 | N/A                      | N/A                          |                                   |
| <b>Elective Courses- Choose One</b>  |                     |          |                          |                              |                                   |
| BES: Pipe System Design  | Online              | TBA      | N/A                      | N/A                          |                                   |
| BES: Air Systems Design  | Online              | TBA      | N/A                      | N/A                          |                                   |
| BES: Hospital Building Systems   | Online              | BES 7089 | N/A                      | N/A                          |                                   |
| <b>*Courses without a pre-requisite(s) can be taken at any time during your Program of Study</b> |                     |          |                          |                              |                                   |

See page 1 for Class I Certificate Information