



DRFT 2257: Diploma Electrical Systems for Buildings

EFFECTIVE DATE

September 2021

DEPARTMENT

Drafting

DESCRIPTION

This course introduces the student to the overall layout of wiring and electrical equipment for buildings for the electrical engineering industry.

CREDITS

1.0

YEAR OF STUDY

2nd Year Post-secondary

PREREQUISITES

DRFT 2100 Integrated BIM Project

COREQUISITES

None

COURSE LEARNING OUTCOMES

Upon successful completion of this course, students will be able to:

- Determine the entrance and exit locations of utilities (gas, water, sewer, storm drainage)
- Describe electrical components for buildings
- Describe electrical circuits for buildings
- Evaluate wiring routing options for buildings
- Prepare drawing layouts for small projects and executing redlines from designers for large projects
- Apply code system requirements to electrical system
- Apply the concepts and processes at a higher level, in a 3D Building Information Modeling setting

PRIOR LEARNING ASSESSMENT & RECOGNITION (PLAR)

None

HOURS

Lecture: 10

Lab: 20

INSTRUCTIONAL STRATEGIES

Lectures, video presentations, project-/problem-based learning, lab activities The course may be offered face-to-face or in a blended format (mix of face-to-face and online)

GRADING SYSTEM

Letter Grade (A-F)

PASSING GRADE

D

EVALUATION PLAN

Type	Percentage	Assessment activity
Project	60	Minimum of 3 project-based major assignments of approximately equal value.
Quizzes/Tests	10	
Final Exam	30	

COURSE TOPICS

- Gather electrical utility information onsite
- Contact the electrical engineer or the city regarding project utilities
- Obtain site plans, services, elevations, etc.

LEARNING RESOURCES

None

Notes:

- Course contents and descriptions, offerings and schedules are subject to change without notice.
- Students are required to follow all College policies including ones that govern their educational experience at VCC. Policies are available on the VCC website at:
<https://www.vcc.ca/about/governance--policies/policies/>.
- To find out how this course transfers, visit the BC Transfer Guide at <https://www.bctransferguide.ca>.

Broadway campus

1155 East Broadway
Vancouver, B.C. Canada
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Downtown campus

250 West Pender Street
Vancouver, B.C. Canada
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Annacis Island campus

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