CURRICULUM CHANGES
Environmental Engineering – Co-op

What's Different?

Courses Added to ENVE
For new students starting in Fall 2019 only

- 0.50 PHYS*1010 Introductory Electricity and Magnetism
- 0.50 ENGG*2130 Introduction to Environmental Engineering

Courses Removed from ENVE
For *new students* starting in Fall 2019 only

- 0.50 ENGG*2450 Electric Circuits
- 0.50 Complementary Studies Elective

Changes to Course Content and Semester Offerings – Affects *everyone*

0.50 PHYS*1130 Physics with Applications

- Offering changed to fall semester only.
- Overlapping content with PHYS*1010 removed and replaced with introductory statics content from ENGG*1210 Engineering Mechanics I.
- PHYS*1130 is now a prerequisite to ENGG*1210 effective W20.
- Prerequisite for PHYS*1130 changed to (4U Calculus and Vectors or equivalent), (4U Physics or equivalent).

0.50 ENGG*1210 Engineering Mechanics I

- Deeper treatment of dynamics content.
- Prerequisites, MATH*1200 and PHYS*1130 added effective W20.

0.50 PHYS*1010 Physics with Applications

- Overlapping content with PHYS*1130 removed and replaced with introductory material from ENGG*2450 Electric Circuits.

0.50 ENGG*2450 Electric Circuits

- Deeper treatment of remaining content.
- PHYS*1130 removed as prerequisite to ENGG*2450.

I'M AN ENVIRONMENTAL ENGINEERING STUDENT WHO STARTED IN FALL 2018 OR EARLIER

How do these changes actually affect me?

*ENGG*2450 Electric Circuits is still a required course for Environmental Engineering students who are following 2018 calendar requirements or older calendar requirements.*

*If you started in Winter 2019 or Fall 2018 or earlier, you must complete ENGG*2450 to meet your degree program requirements.*

Returning students who are missing one or more of the prerequisites to register for ENGG*2400 in Fall 2019, should meet with a program counsellor to discuss course planning options. ENGG*2400 is a prerequisite to ENGG*2450.

The version of ENGG*2450 that was offered in W19 will be the same in W20 to meet the progression requirements of the 2018 cohort. However, the revised content version of ENGG*2450 will become effective in W21, and the PHYS*1010 prerequisite will be enforced.

UNIVERSITY of GUELPH

ENGINEERING

Book an Appointment at:
uoguelph.ca/engineering/webform/appointment-form

Changes at a Glance

2018 Cohort (and older) – Previous Curriculum	
FALL (SEMESTER 1)	**WINTER (SEMESTER 2)**
CHEM*1040 General Chemistry I CIS*1500 Introduction to Programming ENGG*1100 Engineering Design I MATH*1200 Calculus I One of: HIST*1250 Science and Technology in a Global Context or ENGG*1210 Engineering Mechanics I	CHEM*1050 General Chemistry II ENGG*1500 Engineering Analysis I MATH*1210 Calculus II PHYS*1130 Physics with Applications One of: HIST*1250 Science and Technology in a Global Context or ENGG*1210 Engineering Mechanics I
FALL (SEMESTER 3)	**WINTER (SEMESTER 4)**
COOP*1100 Introduction to Co-operative Education ENGG*2400 Engineering Systems Analysis MATH*2270 Applied Differential Equations 0.50 restricted elective One of: BIOL*1090 Introduction to Molecular and Cellular Biology MICR*2420 Introduction to Microbiology One of: ENGG*2100 Engineering and Design II STAT*2120 Probability and Statistics for Engineers One of: ENGG*2120 Material Science ENGG*2230 Fluid Mechanics	ENGG*2450 Electric Circuits ENGG*2560 Environmental Engineering Systems MATH*2130 Numerical Methods 0.50 restricted electives One of: ENGG*2100 Engineering and Design II STAT*2120 Probability and Statistics for Engineers One of: ENGG*2120 Material Science ENGG*2230 Fluid Mechanics
2019 Cohort – Revised Curriculum	
FALL (SEMESTER 1)	**WINTER (SEMESTER 2)**
CHEM*1040 General Chemistry I ENGG*1100 Engineering Design I ENGG*1500 Engineering Analysis I MATH*1200 Calculus I PHYS*1130 Physics with Applications	CHEM*1050 General Chemistry II CIS*1500 Introduction to Programming ENGG*1210 Engineering Mechanics I MATH*1210 Calculus II PHYS*1010 Introductory Elec & Mag
FALL (SEMESTER 3)	**WINTER (SEMESTER 4)**
COOP*1100 Introduction to Co-operative Education ENGG*2130 Introduction to Environmental Engineering ENGG*2230 Fluid Mechanics ENGG*2400 Engineering Systems Analysis MATH*2270 Applied Differential Equations STAT*2120 Probability and Statistics for Engineers One of: BIOL*1090 Introduction to Molecular and Cellular Biology MICR*2420 Introduction to Microbiology	ENGG*2100 Engineering and Design II ENGG*2120 Material Science ENGG*2560 Environmental Engineering Systems HIST*1250 Science and Technology in a Global Context MATH*2130 Numerical Methods 0.50 restricted electives

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