

# Medicinal Chemistry Minor

<b>Faculty of Science and Horticulture</b>	kpu.ca/science
<b>Chemistry</b>	kpu.ca/science/chemistry
<b>Program Type</b>	Undergraduate
<b>Credential Granted</b>	Baccalaureate Degree
<b>Offered At</b>	Surrey
<b>Start Date(s)</b>	September January May
<b>Intake Type</b>	Open intake
<b>Format</b>	Full-time Part-time
<b>Instructional Cycle</b>	Semester-based
<b>Curriculum Effective Date</b>	01-Sep-2017
<b>How to Apply</b>	www.kpu.ca/admission

## DESCRIPTION

This minor may be applied towards any KPU bachelor's degree.

## ADMISSION REQUIREMENTS

Students pursuing a Minor in Medicinal Chemistry must be admitted to KPU for undergraduate studies.

## DECLARATION REQUIREMENTS

Students pursuing this minor must declare their intention prior to graduation. A minor may only be declared as part of a bachelor's degree.

## CURRICULAR REQUIREMENTS

The Minor in Medicinal Chemistry requires completion of 18 credits of upper-level CHEM courses.

Additionally, up to 30 credits of lower-level prerequisite courses in CHEM, MATH and PHYS may be required, depending on the student's academic background.

### LOWER-LEVEL PREREQUISITES

#### All of:

CHEM 1210	Chemical Energetics and Dynamics	4 credits
CHEM 2315	Analytical Chemistry	4 credits
CHEM 2320	Organic Chemistry I	4 credits
CHEM 2420	Organic Chemistry II	4 credits

#### One of:

MATH 1120	Differential Calculus	3 credits
MATH 1130	Calculus for Life Sciences I	3 credits
MATH 1140	Calculus I (Business Applications)	3 credits

#### One of:

MATH 1220	Integral Calculus	3 credits
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MATH 1230    Calculus for Life Sciences II    3 credits

#### One of:

PHYS 1101	Physics for Life Sciences I	4 credits
PHYS 1120	Physics for Physical and Applied Sciences I	4 credits

#### One of:

PHYS 1102	Physics for Life Sciences II	4 credits
PHYS 1220	Physics for Physical and Applied Sciences II	4 credits

### UPPER-LEVEL REQUIREMENTS

CHEM 3320	Natural Products Chemistry	4 credits
CHEM 4320	Drug Discovery, Design & Development	4 credits
CHEM 4330	Modern Alchemy	3 credits
CHEM 4399	Current Topics in Medicinal Chemistry	3 credits
CHEM 4610	Instrumental Analysis	4 credits

## CREDENTIAL AWARDED

Upon successful completion of the minor as part of a bachelor's degree program, transcripts will indicate a **Minor in Medicinal Chemistry**.