

OFFICIAL UNDERGRADUATE CROSS-LISTED OUTLINE FORM

Note: The University reserves the right to amend course outlines as needed without notice.

Course Code and Number: CHEM 442	Number of Credits: 3 Course credit policy (105)
Course Full Title: Analytical Proteomics Course Short Title: Analytical Proteomics	
Faculty: Faculty of Science	Department (or program if no department): Chemistry
Official Course Outline: This is a cross-listed course. Please refer to BIOC 442 for the official course outline.	
Calendar Description: Analytical proteomics is a rapidly expanding area bridging chemistry and biology. This course focuses on learning the structure of proteins and peptides, using analytical techniques to separate and identify them, and using protein data bases to analyze the obtained data. Note: This course is offered as BIOC 442 and CHEM 442. Students may take only one of these for credit. Note: Students with credit for CHEM 412H cannot take this course for further credit.	
Prerequisites (or NONE):	None.
Corequisites (if applicable, or NONE):	None.
Pre/corequisites (if applicable, or NONE):	CHEM 341 or BIO 320/BIOC 320.
Antirequisite Courses (<i>Cannot be taken for additional credit.</i>) Former course code/number: CHEM 412H Cross-listed with: CHEM 442 Equivalent course(s): <i>(If offered in the previous five years, antirequisite course(s) will be included in the calendar description as a note that students with credit for the antirequisite course(s) cannot take this course for further credit.)</i>	Transfer Credit (See bctransferguide.ca) Transfer credit already exists: No Submit outline for (re)articulation: No <i>(If yes, fill in transfer credit form.)</i>
Department approval	Date of meeting: December 11, 2025
Faculty Council approval	Date of meeting: February 6, 2026
Undergraduate Education Committee (UEC) approval	Date of meeting: April 24, 2026