



# Chemistry 30

## Course Outline

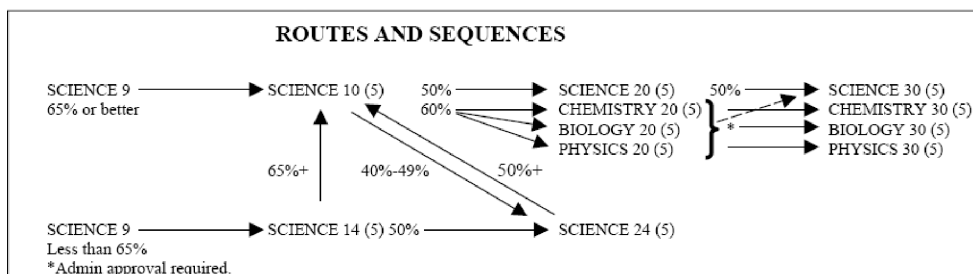
Chemistry 30 is offered as an **independent learning** course at the Learning Centres. Students can optimize their learning experience through in-person interactions, Google Meets, phone calls, texts, and email communication with their teacher. Throughout the duration of the course, teachers will collaborate with students to formulate a personalized timeline for their academic journey. This tailored approach to scheduling aims to accommodate each student's unique learning pace, goals, and commitments, fostering an environment of flexibility and empowerment.

### Accessing Content and Required Course Work

Students will complete the course by working through modules. Modules are comprised of lessons which include various resources that allow the student to actively engage in the learning process. Course content and resources are provided online through the **Chemistry 30 Google Classroom**. Before you ask for help on the assignment, be sure to review all available resources including the practice problems on the course Google Classroom. Students require their unique first name.last name@edu.sturgeon.ab.ca account for course completion. An approved calculator (ie. a Ti-84) is required for this course.

### Progression Through Course Sequences

Successful completion of Chemistry 20. There are no prerequisites for mature students. A mature student, for Alberta High School Diploma purposes, is one who as of September 1 of the current school year, is 19 years of age or older; or the holder of a previously-awarded high school diploma from the province of Alberta; or an equivalent high school diploma from a jurisdiction acceptable to the Minister.



### Unit Topics and Evaluation

The major themes allow connections to be drawn between the four units of this course and between all eight units in Chemistry 20-30. Chemistry 30 is composed of the following four units broken up into eight modules.



Unit Title	Module Number	Module Title
Unit A: Thermochemical Changes	1	Thinking Energy
	2	Talking Energy
Unit B: Electrochemical Changes	3	Electrochemical Reactions
	4	Batteries and Balance
Unit C: Chemical Changes of Organic Compounds	5	Hydrocarbons and the Petroleum Industry
	6	Petrochemicals
Unit D: Chemical Equilibrium Focusing on Acids and Bases	7	Principles of Chemical Equilibrium
	8	Acid-Base Equilibrium

As this is a diploma exam course, for the 2023-2024 school year, 70% of your **school awarded mark** will be combined with 30% of your diploma exam mark to calculate your final Chemistry 30 mark. Please refer to the [Alberta Education website](http://www.alberta.ca) for additional information about diploma weightings.

School-Awarded Mark	Overall Weighting
Module Assignments (8)	60%
Module Exams (8) and Final Assessment * *Final assessment mark may be used to replace lowest module exam mark.	40%

Study Sheet
In addition to their formula sheet, students are permitted access to a single-sided, 8 ½ by 11 STUDY SHEET for each <b>module</b> exam and the final assessment ( <b>excludes the diploma exam</b> ).

A schedule of module due dates will be set up with your teacher as part of your registration. Timelines vary from student to student, depending on when you start the course and how well you grasp the material presented.

Keep in mind that in a typical high school classroom, students receive approximately 80 minutes of class time everyday for an entire semester.

Marks can be viewed on PowerSchool. Pay attention to comments included with your marks. This could mean there are things that your teacher would like to review with you before finalizing the mark on the assignment. Take the time to connect with your teacher and discuss what must be completed. Note: due to course deadlines, corrections will need to be completed in a timely manner as determined by you and your teacher.



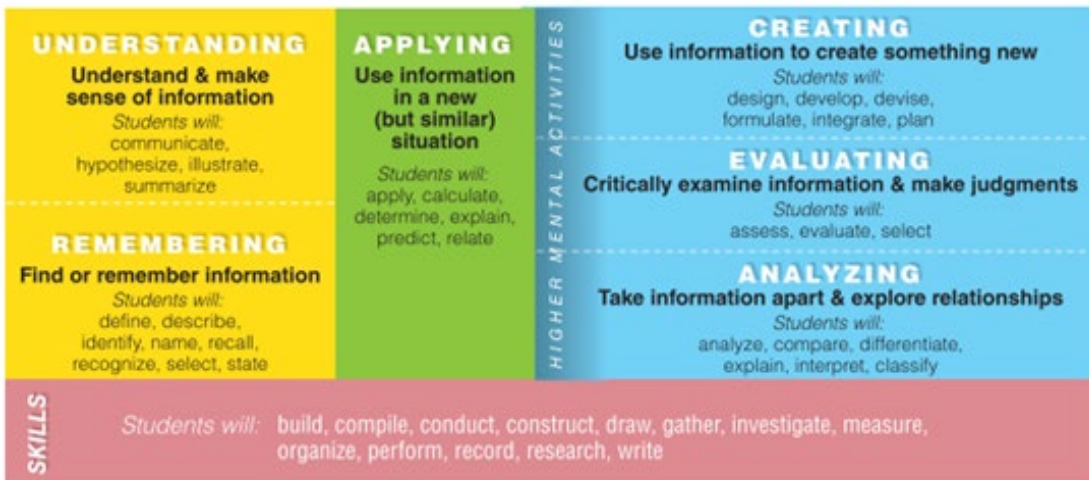
## diploma exam?

If you are rewriting the diploma a rewrite fee applies. Please see the MLC/SLC staff regarding the due date for rewrite submission as it is early in the semester and you must register yourself to rewrite using [MyPass.ca](http://MyPass.ca).



## Cognitive Expectations

Students are expected to communicate solutions clearly and effectively when solving both routine and non-routine problems. Students are also expected to develop both conceptual and procedural understandings of concepts and apply them in new but similar situations. Students will use information to create something new, examine information to make judgements, and disassemble information and explore relationships.



\*Verbs can have multiple connotations and can therefore indicate more than one cognitive level. The cognitive expectation is communicated by the context.

—based on Anderson, Krathwohl, and Bloom, 2001.

## Additional Information and Expectations

All students and staff are expected to treat each other with respect. For more information, please refer to our website: [www.sturgeonlearning.ca](http://www.sturgeonlearning.ca).

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MLC: Inside Frank Robinson Centre  
SLC: 5028 49 Street \*NEW LOCATION\*  
Phone: 780-939-4341 ext 1626  
[www.sturgeonlearning.ca](http://www.sturgeonlearning.ca)

