



2020 APEGA SYLLABUS and GKE Geology Academic Assessment: course-by-course credits

Summary Evaluation Check Sheet (will be used for all applications to APEGA after September 2021)

Applicant name: _____

Definition: 1 Educational Unit (EU) = 3.0 credit hour course or a one-semester (minimum 12 weeks) course in a typical Bachelor of Science degree program at a Canadian University (for Canadian trained students) or WES ICAP report equivalent credit (for internationally trained students).

Each slot below represents 1 EU. Each 1-EU course can be used only once. A 2-EU (6.0 credit hour) course can be split to cover two slots.

** Please refer to the Geoscience Knowledge and Experience Requirements for Professional Registration in Canada (GKE) for additional information

1. FUNDAMENTAL SCIENCE (Total 9 EUs)

SECTION 1A: COMPULSORY FOUNDATION SCIENCE (3 EUs required):

- 2020-F-1a Elementary Calculus I
2020-F-2a General Physics I
2020-F-3a General Chemistry I

SECTION 1B: ADDITIONAL FOUNDATION SCIENCE (6 EUs required):

- 2020-F-1b Elementary Calculus II
2020-F-2b General Physics II
2020-F-3b General Chemistry II
2020-F-4 Diff. Eqns & Transforms
2020-F-5 Lin. Algebra & Vector Anal.
2020-F-6 Computing & Numerical Anal.
2020-F-7 Thermodynamics
2020-F-8 Biology
2020-F-9 Physical Chemistry
2020-F10 Organic Chemistry
2020-F-11 Inorganic Chemistry
2020-F-12 Statistics

Other advanced university courses for science majors in Mathematics, Physics, Chemistry, Statistics, Computing or Biology can fulfill requirements in Additional Foundation Science. There is a maximum of two credits in any subject in Section 1B. e.g. two Biology, two Computer Science, etc.

2. GEOSCIENCE

*(Total 18 EUs at second year level or higher;
must satisfy requirements of Section 2A and 2B, as outlined below;
Total Credits from Section 2A, 2B and 2C must be 18 EUs)*

SECTION 2A: COMPULSORY FOUNDATION GEOSCIENCE (ALL 4 EUs required):

2020-G-1 Mineralogy & Crystallography _____
 2020-G-2 Stratigraphy & Sedimentation _____
 2020-G-6 Structural Geology _____
 Field Practice (no APEGA examination offered) _____

SECTION 2B: ADDITIONAL FOUNDATION GEOSCIENCE (5 EUs required; must satisfy one column, with minimum one, maximum two from each of the three sub-groups; credit Extras in Section 2C):

EITHER: Geology	OR: Environmental Geoscience
2020-G-3 Igneous Petrology _____ 2020-G-4 Sedimentary Petrology _____ 2020-G-5 Metamorphic Petrology _____	2020-G-11 Hydrology or Hydrogeology _____ 2020-G-23 Principles of Geotechnics _____
2020-G-7 Geochemistry _____ 2020-G-8 Geophysics _____	2020-G-7 Geochemistry _____ 2020-G-8 Geophysics _____
2020-G-9 Geomorphology (or G-10 Glacial) _____ 2020-G-20 Advanced Sedimentology _____ 2020-G-30 Remote Sensing & Photogeology _____	2020-G-9 Geomorphology (or Soil Science) _____ 2020-G-10 Glacial & Quaternary _____ 2020-G-30 Remote Sensing & Photogeology _____

SECTION 2C: OTHER GEOSCIENCE/SCIENCE (Additional 9 EUs required, at second year level or higher, with a minimum of 7 in geosciences and a maximum of 2 in other sciences, e.g. Biology)

1 _____
 2 _____
 3 _____
 4 _____
 5 _____
 6 _____
 7 _____
 8 _____
 9 _____