

Interpretive Statement on proposed criteria 3.4.6 – Draft for consultation purposes

An engineering program is comprised of at least four years of full-time (or equivalent) study at a university level comprised of:

Mathematics and natural sciences Mathematics: Minimum 195 AU Natural sciences: Minimum 195 AU	Minimum 420 AU
Engineering science and engineering design Engineering science: Minimum 225 AU Engineering design: Minimum 225 AU	Minimum 900 AU
Complementary Studies (see note 1)	Minimum 225 AU
Additional relevant learning activity at a university level to meet the four year overall requirement (equivalent to 405 AU). The additional relevant learning activity must be appropriate to engineering education approved by the HEI for academic credit. (see note 2)	n/a
Laboratory experience and safety procedures instruction	n/a

The Accreditation Board accepts the following methods to quantify four years of program content:

- a. The continued use of accreditation units with a minimum total of 1950 AU.
- b. The use of the HEI's equivalent institutional academic credits.

Principles

1. The integrity and rigour of a four-year engineering degree in terms of content and quality will not be compromised.
2. There will be no dilution or reduction in the total learning requirement.
3. The performance of individual students in all learning activities making up the curriculum must be appropriately evaluated for the assignment of academic credit.
4. The requirements for curriculum content and quality must be satisfied by all students ("minimum path" concept).

Measurement of program content

- The Accreditation Board will continue to require expression of compulsory components of curriculum content in terms of accreditation units (AU).
- CEGEP prior studies at a university level will be considered up to 225 AU (as defined in the transfer credit regulations).

Note 1: Complementary studies may include, but are not limited to:

- engineering economics
- the impact of technology on society

- humanities and social sciences
- oral and written communications
- health and safety
- professional ethics
- equity and law
- sustainable development and environmental stewardship

Note 2: Additional learning activities may include, but are not limited to;

- Management or business studies
- Entrepreneurship, including engineering entrepreneurship
- Active independent learning (project & problem-based; directed research; etc.)
- International learning experiences
- Additional content in the defined curriculum categories for accreditation
- Appropriate post degree courses