STATE OF NEW YORK

4455

2019-2020 Regular Sessions

IN SENATE

March 12, 2019

Introduced by Sen. RANZENHOFER -- read twice and ordered printed, and when printed to be committed to the Committee on Higher Education

AN ACT to amend the education law, in relation to requiring regulations authorizing computer science courses to count towards liberal arts content at institutions of higher learning

The People of the State of New York, represented in Senate and Assembly, do enact as follows:

Section 1. The education law is amended by adding a new section 208-b to read as follows:

§ 208-b. Course requirements. 1. The commissioner and the board of regents are authorized and directed to establish rules and/or regulations authorizing computer science courses to count towards the liberal arts content in math or science required for each degree at institutions of higher learning in New York state.

2. For purposes of this section, "computer science" means the study of computers and algorithmic processes including the study of computing principles, computer hardware and computer software design, computer applications, and the impact of computers on society. Courses may include, but not be limited to:

a. software design;

b. hardware design;

c. creation of digital artifacts;

d. abstraction;

e. logic;

f. algorithm development and implementation;

g. programming paradigms and languages;

h. theoretical foundations;

i. networks;

j. graphics;

k. databases and information retrieval;

l. information security and privacy;

EXPLANATION--Matter in *italics* (underscored) is new; matter in brackets [-] is old law to be omitted.

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m. artificial intelligence;
n. the relationship between computing and mathematics;
o. the limits of computation;
p. applications in information technology;
q. the social impacts of computing.

§ 2. This act shall take effect immediately.