

# 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 Assem-  
bly, do enact as follows:

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

3 § 208-b. Course requirements. 1. The commissioner and the board of  
4 regents are authorized and directed to establish rules and/or regu-  
5 lations authorizing computer science courses to count towards the liber-  
6 al arts content in math or science required for each degree at insti-  
7 tutions of higher learning in New York state.

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

13 a. software design;

14 b. hardware design;

15 c. creation of digital artifacts;

16 d. abstraction;

17 e. logic;

18 f. algorithm development and implementation;

19 g. programming paradigms and languages;

20 h. theoretical foundations;

21 i. networks;

22 j. graphics;

23 k. databases and information retrieval;

24 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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- 1     m. artificial intelligence;
- 2     n. the relationship between computing and mathematics;
- 3     o. the limits of computation;
- 4     p. applications in information technology;
- 5     q. the social impacts of computing.
- 6     § 2. This act shall take effect immediately.