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I N   S E N A T E

(PREFILED)

January 8, 2014

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

AN ACT to amend the education law, in relation to requiring regulations  
authorizing computer science courses to count towards core curriculum  
content for secondary schools

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 817 to  
2     read as follows:  
3     S 817. 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  
6     REQUIRED CORE CURRICULUM FOR SECONDARY SCHOOLS IN THE STATE FOR MATH OR  
7     SCIENCE CONTENT.  
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;  
25    (M) ARTIFICIAL INTELLIGENCE;  
26    (N) THE RELATIONSHIP BETWEEN COMPUTING AND MATHEMATICS;

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

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1 (O) THE LIMITS OF COMPUTATION;  
2 (P) APPLICATIONS IN INFORMATION TECHNOLOGY; AND  
3 (Q) THE SOCIAL IMPACTS OF COMPUTING.  
4 S 2. This act shall take effect immediately.