
HOUSE BILL 1813

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By Representatives Hansen, Magendanz, Reykdal, Muri, Tarleton, Zeiger, Lytton, Haler, Senn, Harmsworth, Tharinger, Young, Walkinshaw, Stanford, S. Hunt, and Pollet

Read first time 01/29/15. Referred to Committee on Education.

1 AN ACT Relating to expanding computer science education; amending
2 RCW 28A.660.045 and 28A.660.050; adding a new section to chapter
3 28A.188 RCW; adding a new section to chapter 28A.230 RCW; and adding
4 a new section to chapter 28A.410 RCW.

5 BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF WASHINGTON:

6 NEW SECTION. **Sec. 1.** A new section is added to chapter 28A.188
7 RCW to read as follows:

8 (1) The computer science and education grant program, known as
9 the CS and E program, is created to address Washington's shortage of
10 computer science professionals. The CS and E program is intended to
11 train and credential teachers in computer science, introduce students
12 to and engage them in computer science, and provide and upgrade
13 technology needed to learn computer science. The source of funds for
14 the program must be a combination of private contributions and state
15 matching funds.

16 (2)(a) The CS and E program has three components: A computer
17 science frontiers grant, a computer science educator training grant,
18 and a computer science technology grant. To the extent possible, the
19 computer science learning standards adopted by the office of the
20 superintendent of public instruction in section 2 of this act must be
21 used in implementing these grants.

1 (b) The computer science frontiers grant is intended to support
2 innovative ways to introduce and engage students from historically
3 underrepresented groups, including girls, low-income students, and
4 minority students, to computer science and inspire them to enter
5 computer science careers. The office of the superintendent of public
6 instruction shall award grants to schools, school districts,
7 educational service districts, or nonprofit organizations under the
8 frontiers grant program to applicants on a competitive basis. The
9 office of the superintendent of public instruction shall select grant
10 recipients from applicants that meet all of the following criteria:

11 (i) Demonstrate engaged and committed leadership in support of
12 introducing historically underrepresented students to computer
13 science;

14 (ii) Demonstrate a plan to engage historically underrepresented
15 students with computer science;

16 (iii) Demonstrate that staff are appropriately trained to carry
17 out the plan;

18 (iv) Demonstrate capacity to maximize the use of grant resources
19 by addressing: Availability of appropriate physical space and
20 technology, projected enrollment, and other specific requirements set
21 forth by the superintendent of public instruction;

22 (v) Demonstrate a history of successful partnerships within the
23 community and partner support for computer science. Partner support
24 may include: Supplying materials or technology, instruction support,
25 internships, mentorships, and apprenticeships; and

26 (vi) Demonstrate capacity to continue in the years succeeding the
27 initial grant year.

28 (c) The computer science educator training grant is intended to
29 support professional development for educators to acquire the
30 knowledge and skills necessary to teach computer science, either as a
31 stand-alone course or integrated into other courses. The office of
32 the superintendent of public instruction shall award training grants
33 to educators, schools, school districts, educational service
34 districts, and nonprofit organizations on a competitive basis. Grant
35 recipients must demonstrate a plan for professional development for
36 educators to acquire the knowledge and skills necessary to teach
37 computer science, either as a stand-alone course or integrated into
38 other courses. Grant funds must be allocated on a one-time basis and
39 may be used to fund professional development and training related to
40 computer science education.

1 (d) The computer science technology grant is intended to support
2 schools and school districts in purchasing or upgrading technology
3 needed for computer science courses and to support allowable costs
4 associated with effective implementation and use of the technology
5 purchases, such as substitute teacher or training costs. In awarding
6 grants, the office of the superintendent of public instruction shall
7 give priority to schools and districts with substantial enrollment of
8 low-income or underrepresented or rural students and without adequate
9 technology to offer computer science courses.

10 (3)(a) The computer science and education grant matching account
11 is created in the custody of the state treasurer as a nonappropriated
12 account to be used solely and exclusively for the program created in
13 this section. The purpose of the account is to provide matching funds
14 for the computer science frontiers grant, the computer science
15 educator training grant, and the computer science technology grant.

16 (b) Revenues to the account shall consist of appropriations by
17 the legislature into the account and any gifts, grants, or donations
18 received by the office of the superintendent of public instruction
19 for this purpose.

20 (c) No expenditures from the account may be made except upon
21 receipt of proof, by the office of the superintendent of public
22 instruction, of private contributions to the computer science and
23 education grant program. Expenditures, in the form of matching funds,
24 may not exceed the total amount of private contributions.

25 (d) Only the superintendent of public instruction or the
26 superintendent's designee may authorize expenditures from the
27 account. Authorization shall be made as soon as practicable following
28 receipt of proof as required under subsection (3)(c) of this section.

29 (4) The superintendent of public instruction may adopt criteria
30 or processes as appropriate for the review of grant proposals.

31 (5) The office of the superintendent of public instruction may
32 accept gifts, grants, or endowments from public or private sources
33 for the program and may spend any gifts, grants, or endowments or
34 income from public or private sources according to their terms.

35 NEW SECTION. **Sec. 2.** A new section is added to chapter 28A.230
36 RCW to read as follows:

37 Beginning in the 2015-16 school year, the office of the
38 superintendent of public instruction shall adopt computer science

1 learning standards developed by a nationally recognized computer
2 science education organization.

3 NEW SECTION. **Sec. 3.** A new section is added to chapter 28A.410
4 RCW to read as follows:

5 The professional educator standards board shall, in its regular
6 review and revision of teacher certification standards as required by
7 RCW 28A.410.210, develop standards for a K-12 computer science
8 endorsement. Standards related to computer science shall be adopted
9 by January 15, 2016. The revised standards shall be aligned with the
10 computer science learning standards developed by a nationally
11 recognized computer science education organization and updated to
12 include the standards adopted by the office of the superintendent of
13 public instruction under section 2 of this act. In addition to
14 appropriate computer science content, the computer science
15 endorsement standards must facilitate dual endorsement in computer
16 science and mathematics or science, or another related endorsement in
17 high demand as indicated by a school district.

18 **Sec. 4.** RCW 28A.660.045 and 2007 c 396 s 7 are each amended to
19 read as follows:

20 (1) The educator retooling (~~((to teach mathematics and science))~~)
21 conditional scholarship program is created. Participation is limited
22 to current K-12 teachers and individuals having an elementary
23 education certificate but who are not employed in positions requiring
24 an elementary education certificate. It is anticipated that
25 candidates enrolled in this program will complete the requirements
26 for (~~(a mathematics or science)~~) an endorsement(~~(, or both,)~~) in two
27 years or less.

28 (2) Entry requirements for candidates include:

29 (a) Current K-12 teachers shall pursue (~~((a middle level~~
30 ~~mathematics or science, or secondary mathematics or science))~~) an
31 endorsement in a subject or geographic endorsement shortage area, as
32 defined by the professional educator standards board.

33 (b) Individuals having an elementary education certificate but
34 who are not employed in positions requiring an elementary education
35 certificate shall pursue an endorsement in (~~((middle level mathematics~~
36 ~~or science only))~~) a subject or geographic endorsement shortage area,
37 as defined by the professional educator standards board.

1 **Sec. 5.** RCW 28A.660.050 and 2012 c 229 s 507 are each amended to
2 read as follows:

3 Subject to the availability of amounts appropriated for these
4 purposes, the conditional scholarship programs in this chapter are
5 created under the following guidelines:

6 (1) The programs shall be administered by the student achievement
7 council. In administering the programs, the council has the following
8 powers and duties:

9 (a) To adopt necessary rules and develop guidelines to administer
10 the programs;

11 (b) To collect and manage repayments from participants who do not
12 meet their service obligations; and

13 (c) To accept grants and donations from public and private
14 sources for the programs.

15 (2) Requirements for participation in the conditional scholarship
16 programs are as provided in this subsection (2).

17 (a) The alternative route conditional scholarship program is
18 limited to interns of professional educator standards board-approved
19 alternative routes to teaching programs under RCW 28A.660.040. For
20 fiscal year 2011, priority must be given to fiscal year 2010
21 participants in the alternative route partnership program. In order
22 to receive conditional scholarship awards, recipients shall:

23 (i) Be accepted and maintain enrollment in alternative
24 certification routes through a professional educator standards board-
25 approved program;

26 (ii) Continue to make satisfactory progress toward completion of
27 the alternative route certification program and receipt of a
28 residency teaching certificate; and

29 (iii) Receive no more than the annual amount of the scholarship,
30 not to exceed eight thousand dollars, for the cost of tuition, fees,
31 and educational expenses, including books, supplies, and
32 transportation for the alternative route certification program in
33 which the recipient is enrolled. The council may adjust the annual
34 award by the average rate of resident undergraduate tuition and fee
35 increases at the state universities as defined in RCW 28B.10.016.

36 (b) The pipeline for paraeducators conditional scholarship
37 program is limited to qualified paraeducators as provided by RCW
38 28A.660.042. In order to receive conditional scholarship awards,
39 recipients shall:

1 (i) Be accepted and maintain enrollment at a community and
2 technical college for no more than two years and attain an associate
3 of arts degree;

4 (ii) Continue to make satisfactory progress toward completion of
5 an associate of arts degree. This progress requirement is a condition
6 for eligibility into a route one program of the alternative routes to
7 teacher certification program for a mathematics, special education,
8 or English as a second language endorsement; and

9 (iii) Receive no more than the annual amount of the scholarship,
10 not to exceed four thousand dollars, for the cost of tuition, fees,
11 and educational expenses, including books, supplies, and
12 transportation for the alternative route certification program in
13 which the recipient is enrolled. The student achievement council may
14 adjust the annual award by the average rate of tuition and fee
15 increases at the state community and technical colleges.

16 (c) The educator retooling (~~((to teach mathematics and science))~~)
17 conditional scholarship program is limited to current K-12 teachers.
18 In order to receive conditional scholarship awards:

19 (i) Individuals currently employed as teachers shall pursue (~~((a~~
20 ~~middle level mathematics or science, or secondary mathematics or~~
21 ~~science))~~ an endorsement in a subject or geographic endorsement
22 shortage area, as defined by the professional educator standards
23 board; or

24 (ii) Individuals who are certificated with an elementary
25 education endorsement shall pursue an endorsement in (~~((middle level~~
26 ~~mathematics or science, or both))~~) a subject or geographic endorsement
27 shortage area, as defined by the professional educator standards
28 board; and

29 (iii) Individuals shall use one of the pathways to endorsement
30 processes to receive (~~((a mathematics or science endorsement, or~~
31 ~~both))~~) an endorsement in a subject or geographic endorsement shortage
32 area, as defined by the professional educator standards board, which
33 shall include passing (~~((a mathematics or science))~~) an endorsement
34 test(~~(, or both tests,)~~) plus observation and completing applicable
35 coursework to attain the proper endorsement; and

36 (iv) Individuals shall receive no more than the annual amount of
37 the scholarship, not to exceed three thousand dollars, for the cost
38 of tuition, test fees, and educational expenses, including books,
39 supplies, and transportation for the endorsement pathway being
40 pursued.

1 (3) The Washington professional educator standards board shall
2 select individuals to receive conditional scholarships. In selecting
3 recipients, preference shall be given to eligible veterans or
4 national guard members.

5 (4) For the purpose of this chapter, a conditional scholarship is
6 a loan that is forgiven in whole or in part in exchange for service
7 as a certificated teacher employed in a Washington state K-12 public
8 school. The state shall forgive one year of loan obligation for every
9 two years a recipient teaches in a public school. Recipients who fail
10 to continue a course of study leading to residency teacher
11 certification or cease to teach in a public school in the state of
12 Washington in their endorsement area are required to repay the
13 remaining loan principal with interest.

14 (5) Recipients who fail to fulfill the required teaching
15 obligation are required to repay the remaining loan principal with
16 interest and any other applicable fees. The student achievement
17 council shall adopt rules to define the terms for repayment,
18 including applicable interest rates, fees, and deferments.

19 (6) The student achievement council may deposit all
20 appropriations, collections, and any other funds received for the
21 program in this chapter in the future teachers conditional
22 scholarship account authorized in RCW 28B.102.080.

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