



House of Representatives

File No. 1020

General Assembly

January Session, 2019

(Reprint of File No. 277)

Substitute House Bill No. 5833
As Amended by House Amendment
Schedules "A" and "B"

Approved by the Legislative Commissioner
May 31, 2019

**AN ACT ESTABLISHING A PILOT PROGRAM FOR THE EXPANSION
OF ADVANCED MANUFACTURING CERTIFICATE PROGRAMS.**

Be it enacted by the Senate and House of Representatives in General Assembly convened:

1 Section 1. (NEW) (*Effective July 1, 2019*) (a) On or before January 1,
2 2020, the Board of Regents for Higher Education shall establish a pilot
3 program for the expansion of advanced manufacturing certificate
4 programs to public high schools in the state. The board shall (1)
5 prescribe the form and manner in which local or regional boards of
6 education may apply to the board to participate in the pilot program,
7 (2) establish the criteria to be used by the board in selecting a public
8 high school to participate in the pilot program, which shall include,
9 but need not be limited to, prioritizing the placement of such advanced
10 manufacturing certificate programs in areas of the state where (A)
11 there is a need for a workforce trained in advanced manufacturing, (B)
12 there are economically distressed municipalities, (C) residents do not
13 have access to advanced manufacturing certificate programs within
14 close proximity to their homes, and (D) there is sufficient space in a
15 public high school to operate an advanced manufacturing certificate

16 program, and (3) explore the means of funding the pilot program
17 through public-private partnerships, grant programs, federal funds or
18 state funds through the Workforce Investment Boards, any relevant
19 program of the Department of Economic and Community
20 Development, the Connecticut Manufacturing Innovation Fund and
21 the Labor Department's office of apprenticeship training. The board
22 may select not more than one public high school per year in which to
23 establish an advanced manufacturing certificate program.

24 (b) Any local or regional board of education, separately or jointly
25 with other local or regional boards of education in the surrounding
26 area, may apply to participate in the pilot program in the form and
27 manner prescribed by the Board of Regents for Higher Education. Each
28 local or regional board of education that is selected and chooses to
29 participate in the pilot program, whether separately or jointly, shall
30 enter into a memorandum of understanding and any other relevant
31 agreement with the Board of Regents for Higher Education for the
32 operation of the advanced manufacturing certificate program at a
33 public high school within the school district of such local or regional
34 board of education. Notwithstanding sections 4b-23, 4b-30 and 4b-32 of
35 the general statutes and subdivision (15) of subsection (a) of section
36 10a-6 of the general statutes, the Board of Regents for Higher
37 Education may enter into a memorandum of understanding and any
38 other relevant agreement with a local or regional board of education
39 for the purposes of this section. Such memorandum of understanding
40 shall include, but need not be limited to, (1) the number of high school
41 and college credits the students enrolled in the advanced
42 manufacturing certificate program may earn after successful
43 completion of such program, (2) operating hours and staffing levels for
44 the advanced manufacturing certificate program at a public high
45 school, and (3) the standards for student admission and the process for
46 application to the advanced manufacturing certificate program.

47 (c) The Board of Regents for Higher Education may collaborate with
48 an independent institution of higher education, as defined in section
49 10a-173 of the general statutes, that offers an advanced manufacturing

50 certificate program for the operation of an advanced manufacturing
51 certificate program at a public high school, provided the local or
52 regional board of education that is selected and chooses to participate
53 in the pilot program agrees to such collaboration. If the local or
54 regional board of education agrees to such collaboration, such local or
55 regional board of education shall enter into a memorandum of
56 understanding and any other relevant agreement with the
57 independent institution of higher education for the operation of an
58 advanced manufacturing certificate program at a public high school
59 within the school district of such local or regional board of education.

60 (d) Beginning in the fall semester of 2020, and for each academic
61 semester thereafter, each advanced manufacturing certificate program
62 established at a public high school shall enroll (1) public high school
63 students in grade eleven or twelve from the school districts of the local
64 or regional board or boards of education that have entered into the
65 memorandum of understanding pursuant to subsection (b) or (c) of
66 this section, to simultaneously earn high school credits from the public
67 high school in which the student is enrolled and college credits and an
68 advanced manufacturing certificate from the regional community-
69 technical college or the independent institution of higher education
70 that operates the advanced manufacturing certificate program, and (2)
71 upon the approval of the local or regional board of education, adults
72 for classes during the evening and weekend hours to earn an advanced
73 manufacturing certificate from the regional community-technical
74 college or the independent institution of higher education that
75 operates the advanced manufacturing certificate program.

76 (e) Not later than January 1, 2021, and annually thereafter, the
77 president of the Board of Regents for Higher Education, in
78 consultation with the president of any independent institution of
79 higher education with which the board collaborates pursuant to
80 subsection (c) of this section, shall report, in accordance with the
81 provisions of section 11-4a of the general statutes, to the joint standing
82 committees of the General Assembly having cognizance of matters
83 relating to higher education and employment advancement and

- 84 education on the operation and effectiveness of the pilot program and
- 85 any recommendations to expand the pilot program.

This act shall take effect as follows and shall amend the following sections:		
Section 1	<i>July 1, 2019</i>	New section

The following Fiscal Impact Statement and Bill Analysis are prepared for the benefit of the members of the General Assembly, solely for purposes of information, summarization and explanation and do not represent the intent of the General Assembly or either chamber thereof for any purpose. In general, fiscal impacts are based upon a variety of informational sources, including the analyst's professional knowledge. Whenever applicable, agency data is consulted as part of the analysis, however final products do not necessarily reflect an assessment from any specific department.

OFA Fiscal Note

State Impact:

Agency Affected	Fund-Effect	FY 20 \$	FY 21 \$
Board of Regents for Higher Education	Various - Potential Cost	None	See Below

Note: Various=Various

Municipal Impact:

Municipalities	Effect	FY 20 \$	FY 21 \$
Various Municipalities	Potential Cost	None	See Below

Explanation

The bill requires the Board of Regents to create a program that allows school districts to apply to establish advanced manufacturing certificate programs at high schools in partnership with community colleges or qualifying independent institutions of higher education, which results in a potential cost to the Board of Regents in FY 21 and annually thereafter. The bill also results in a potential cost to local and regional school districts that choose to participate, in the years of participation.

The extent of costs to the Board of Regents depends on: (1) the terms of each memorandum of understanding to be developed and executed with a participating school district, (2) whether any grant funds are available, (3) the number of participating districts and students, and (4) the number of locations that involve community colleges. The costs to the Board of Regents are potential, as the program will not operate if no qualifying applications are received from districts. The potential costs to the Board of Regents begin in FY 21 as the bill requires the first

location to begin operation in fall 2020. The bill limits the number of newly participating high schools to one each year.

The fiscal impact to a participating district similarly depends on the terms of the memorandum of understanding to be developed and whether any grant funds are available.

The Board of Regents currently offers a program similar to what is required under the bill, College Connections, which has involved a number of high schools and four Board of Regents institutions. Terms from one College Connections site agreement indicates the annual costs of a program limited to 15 high school students taking up to two hours of advanced manufacturing coursework daily are \$28,050 in instruction, books, and materials. In the first year of this agreement, the instruction and related costs are paid by the Board of Regents using non-state grant funds (according to Board of Regents meeting minutes), and thereafter are to be paid by the participating school district. In addition, the Board of Regents provided \$400,000 in equipment and furnishings, a one-time start-up cost.

The bill also allows the programs to offer evening and weekend courses to adults that culminate in a certificate. The fiscal impact of these classes to the Board of Regents depends on scale. Board of Regents advanced manufacturing certificate programs typically cost a community college approximately \$15,500 per student, and generate student revenue of \$6,000 to \$8,000. Therefore, the impact of any evening and weekend courses offered is anticipated to be a net cost to the Board of Regents associated with the high schools that offer such courses in partnership with a community college.

House "A" eliminates the original bill and its associated fiscal impact, and results in the impact described above.

House "B" makes a technical change that has no fiscal impact.

The Out Years

The annualized ongoing fiscal impact identified above would continue into the future subject to inflation, the number of participating high schools, the scope of the courses offered, and whether any non-state grant funds are available.

OLR Bill Analysis**sHB 5833 (as amended by House "A"* and "B"**)*****AN ACT ESTABLISHING A PILOT PROGRAM FOR THE EXPANSION OF ADVANCED MANUFACTURING CERTIFICATE PROGRAMS.*****SUMMARY**

This bill requires the Board of Regents for Higher Education (BOR) to create a program by January 1, 2020, that establishes an advanced manufacturing certificate program in no more than one Connecticut public high school per year. This program must enroll (1) public high school juniors and seniors to simultaneously earn high school and college credits and an advanced manufacturing certificate while enrolled in high school, beginning in fall 2020 and each subsequent academic year, and (2) adults to take classes at the high school location during evening and weekend hours to earn an advanced manufacturing certificate, subject to the host board of education's approval.

The bill requires BOR to (1) develop an application process and selection criteria for interested local and regional boards of education and their high schools and (2) explore possible funding mechanisms for the program. Additionally, it prescribes required contents for a memorandum of understanding (MOU) between participating boards of education and BOR to govern the program's operation at the high school locations.

The bill also allows BOR to collaborate with an independent institution of higher education to operate the above described advanced manufacturing certificate program in a high school whose board of education applies to participate.

By January 1, 2021, BOR must begin reporting annually, in consultation with the president of any independent institution of higher education with which the BOR chooses to collaborate, to the Higher Education and Employment Advancement Committee about this program's operation and effectiveness, as well as recommendations for its expansion.

*House Amendment "A" replaces the underlying bill (File 277), which required BOR to create a program by January 1, 2020, that establishes satellite locations for the regional community-technical colleges' advanced manufacturing centers in up to eight Connecticut public high schools.

**House Amendment "B" replaces House Amendment "A," which (1) required BOR to create a program by January 1, 2020, that expanded advanced manufacturing certificate programs' operation to no more than one Connecticut public high school per year and (2) permitted BOR to collaborate with a private, nonprofit in-state college or university that offers such a certificate program to operate the program at a Connecticut public high school.

EFFECTIVE DATE: July 1, 2019

PROGRAM APPLICATION PROCESS AND SELECTION CRITERIA

Under the bill, BOR must determine the form and manner by which a local or regional board of education may apply to have a high school under its jurisdiction participate in the program. A board may apply for solo participation or joint participation with another board.

Additionally, BOR must establish the criteria it will use to select a high school to participate in the program. The criteria must, at a minimum, prioritize the placement of advanced manufacturing certificate programs in areas of the state that have the following:

1. a need for a workforce trained in advanced manufacturing,
2. economically distressed municipalities,

3. residents who lack access to advanced manufacturing certificate programs near their homes, and
4. sufficient space in a public high school to operate an advanced manufacturing certificate program.

PROGRAM FUNDING

The bill requires BOR to explore the following mechanisms for funding the program: public-private partnerships, grant programs, federal or state funds through Workforce Investment Boards, any relevant Department of Economic and Community Development program, the Connecticut Manufacturing Innovation Fund, and the Department of Labor's Office of Apprenticeship Training.

MEMORANDUM OF UNDERSTANDING (MOU)

Under the bill, any board of education that BOR selects to participate in the program must enter into an MOU and any other relevant agreement with BOR to operate the program at a public high school in the school district. For purposes of such an MOU or other relevant agreement, the bill exempts BOR from statutory requirements pertaining to (1) state facilities planning, (2) Department of Administrative Services (DAS) execution of facility leases for state agencies, and (3) approval of certain state lease renewals by the DAS commissioner and the State Properties Review Board.

The MOU governs the advanced manufacturing certificate program's operations and must address the following, at a minimum:

1. operating hours and staffing levels for the program at the public high school,
2. student admission standards and the program's application process, and
3. the number of high school and college credits the enrolled students may earn after successfully completing the program.

COLLABORATION WITH INDEPENDENT HIGHER EDUCATION INSTITUTIONS

The bill allows BOR to collaborate with a private, nonprofit Connecticut college or university (“independent institution of higher education”) that offers an advanced manufacturing certificate program to operate the program at a public high school, so long as the board of education selected for the program agrees to the collaboration. If the board agrees, then it must enter into an MOU and any other relevant agreement with the independent higher education institution for the program’s operation.

COMMITTEE ACTION

Higher Education and Employment Advancement Committee

Joint Favorable Substitute

Yea 22 Nay 0 (03/14/2019)

Education Committee

Joint Favorable

Yea 36 Nay 0 (04/15/2019)