



House of Representatives

General Assembly

File No. 277

January Session, 2019

Substitute House Bill No. 5833

House of Representatives, April 2, 2019

The Committee on Higher Education and Employment Advancement reported through REP. HADDAD of the 54th Dist., Chairperson of the Committee on the part of the House, that the substitute bill ought to pass.

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 the advanced manufacturing certificate
4 programs offered by the regional community-technical colleges to
5 public high schools in the state, which public high schools shall
6 function as satellite locations of the advanced manufacturing centers
7 located at such colleges. The board shall (1) prescribe the form and
8 manner in which local or regional boards of education may apply to
9 the board to participate in the pilot program, (2) establish the criteria to
10 be used by the board in selecting up to eight public high schools to
11 participate in the pilot program, which shall include, but need not be
12 limited to, prioritizing the placement of such advanced manufacturing
13 certificate programs in areas of the state where (A) there is a need for a
14 workforce trained in advanced manufacturing, (B) there are

15 economically distressed municipalities, (C) residents do not have
16 access to advanced manufacturing certificate programs within close
17 proximity to their homes, and (D) there is sufficient space in a public
18 high school to operate an advanced manufacturing certificate program,
19 and (3) explore the means of funding the pilot program through
20 public-private partnerships, grant programs, federal funds or state
21 funds through the Workforce Investment Boards, any relevant
22 program of the Department of Economic and Community
23 Development, the Connecticut Manufacturing Innovation Fund and
24 the Labor Department's office of apprenticeship training.

25 (b) Any local or regional board of education, separately or jointly
26 with other local or regional boards of education in the surrounding
27 area, may apply to participate in the pilot program in the form and
28 manner prescribed by the Board of Regents for Higher Education. Each
29 local or regional board of education selected to participate in the pilot
30 program, whether separately or jointly, shall enter into a
31 memorandum of understanding for the operation of the advanced
32 manufacturing center satellite location with the regional community-
33 technical college that serves the area in which the board is located, as
34 such areas are described in section 10a-78 of the general statutes. Such
35 memorandum of understanding shall include, but need not be limited
36 to, (1) the number of high school and college credits the students
37 enrolled in the advanced manufacturing certificate program may earn
38 after successful completion of such program, (2) operating hours and
39 staffing levels for the advanced manufacturing center satellite location,
40 and (3) the standards for student admission and the process for
41 application to the advanced manufacturing certificate program.

42 (c) Beginning in the fall semester in 2020, and for each academic
43 semester thereafter, each advanced manufacturing center satellite
44 location approved by the Board of Regents for Higher Education shall
45 enroll (1) public high school students in grade eleven or twelve from
46 the school districts of the local or regional board or boards of
47 education that have entered into the memorandum of understanding
48 pursuant to subsection (b) of this section, to simultaneously earn high

49 school credits from the public high school in which the student is
 50 enrolled and college credits and an advanced manufacturing certificate
 51 from the regional community-technical college that operates the
 52 advanced manufacturing center satellite location, and (2) adults for
 53 classes during the evening and weekend hours to earn an advanced
 54 manufacturing certificate from the regional community-technical
 55 college that operates the advanced manufacturing center satellite
 56 location.

57 (d) Not later than January 1, 2021, and annually thereafter, the
 58 Board of Regents for Higher Education shall report, in accordance with
 59 the provisions of section 11-4a of the general statutes, to the joint
 60 standing committees of the General Assembly having cognizance of
 61 matters relating to higher education and employment advancement
 62 and education on the operation and effectiveness of the pilot program
 63 and any recommendations to expand the pilot program.

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

HED Joint Favorable Subst.

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	Potential Significant

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 satellite advanced manufacturing centers at high schools, which results in a potentially significant 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, and (3) the number of participating districts and students. The bill caps the number of participating high schools that may be selected at eight. 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 begin in FY 21 as the bill requires the satellite centers to begin operation in fall 2020.

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 few 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.

If the Board of Regents receives and approves up to the bill's maximum number of participating high schools (eight), and the agreements have similar terms and scale as outlined above, instruction costs will total \$224,400 (without any inflation adjustment), and equipment and furnishings will total \$3.2 million. If the agreements have a larger scale in terms of students and course offerings, the costs will exceed these amounts.

The bill also requires any satellite center 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 the evening and weekend courses is likely to be a net cost.

The Out Years

The annualized ongoing fiscal impact identified above would continue into the future subject to inflation, the number of advanced

manufacturing satellite centers at high schools, the scope of the courses, and whether any non-state grant funds are available.

OLR Bill Analysis**sHB 5833*****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 satellite locations for the regional community-technical colleges' advanced manufacturing centers in up to eight Connecticut public high schools. 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 (2) adults to take classes at the satellite location during evening and weekend hours to earn an advanced manufacturing certificate.

The bill requires BOR to develop an application process and selection criteria for interested local and regional boards of education and their high schools and to explore possible funding mechanisms for the program. Additionally, it prescribes required contents for a memorandum of understanding (MOU) between participating boards of education and the community colleges operating the satellite locations.

By January 1, 2021, BOR must begin annually reporting to the Higher Education and Employment Advancement Committee about this program's operation and effectiveness, as well as recommendations for its expansion.

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 up to eight high schools to participate as satellite locations. 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 with the community college that serves the regional area where the board is located. (Presumably, this refers to the regional area where the high school's public school district is located.) The MOU governs the advanced manufacturing satellite location's operations and must address the following, at a minimum:

1. operating hours and staffing levels for the satellite location,
2. standards for student admission and the process for applying to the advanced manufacturing certificate program, and
3. the number of high school and college credits the students enrolled in the advanced manufacturing certificate program may earn after successfully completing the program.

(Presumably, the number of college credits that students may earn must equal the amount of credits required to earn an advanced manufacturing certificate, as the bill requires for high school students.)

COMMITTEE ACTION

Higher Education and Employment Advancement Committee

Joint Favorable Substitute

Yea 22 Nay 0 (03/14/2019)