SECTION 8. Chapter 15A of the General Laws, as so appearing, is hereby amended by inserting after section 4 the following section:—

Section 4A. (a) Within the board of higher education there shall be the Robert H. Goddard council on science, technology, engineering and mathematics education. The council shall consist of: the commissioner of the department of education, or his designee; the commissioner of the department of early education, or his designee; the director of the office of workforce development, or his designee; the president of the Massachusetts Teachers Association, or his designee; the chairperson of the board of higher education, or his designee; the president of the Technology Education Association of Massachusetts, or his designee; the executive director of the Massachusetts Technology Collaborative, or his designee; the executive director of the Massachusetts Development Finance Agency, or his designee; the president of Associated Industries of Massachusetts, or his designee; the president of the Massachusetts Federation of Teachers, or his designee; 2 members of the senate appointed by the president of the senate, 1 of whom shall be co-chairperson of the council; 1 member of the senate to be appointed by the minority leader of the senate; 2 members of the house of representatives appointed by the speaker of the house of representatives, 1 of whom shall be co-chairperson of the council; 1 member of the house of representatives to be appointed by the minority leader of the house of representatives; and 11 members to be appointed by the governor, 1 of whom shall be the chief executive officer of a life-science firm, 1 of whom shall be a chief executive officer of a technology firm, 1 of whom shall be a chief executive officer of a health care corporation, 1 of whom shall be a chief executive officer of a consulting engineering firm, 1 of whom shall be a representative of a minority led firm, 1 of whom shall be a representative of a female led firm, 1 of whom shall be a chancellor of a state university or college, 1 of whom shall be a president of a state college or his designee, 1 of whom shall be a president of a community college or his designee, 1 of whom shall be a superintendent of a public school system or his designee, and 1 of whom shall be the president or executive director of the Massachusetts Technology Leadership Council or his designee.

(b) The council shall: (1) annually evaluate and make recommendations to the chancellor of higher education regarding programs supported by the pipeline fund, so called, as established by section 2MMM of chapter 29; (2) investigate, study and make recommendations to the general court on maintaining a specialized workforce to support and expand the science, technology, engineering and mathematics sectors in the commonwealth and prepare students for the demands of a knowledge-based economy of the future and attract and retain students entering the science, technology, engineering and mathematics fields of study; (3) investigate and make recommendations to the chancellor of higher education regarding similar programs throughout the state so as to eliminate duplication and provide for one coordinated, consolidated statewide network of science, technology, engineering and mathematics programs for instate students; and (4) investigate and pursue alternative funding services for the advancement of these disciplines. The council shall also investigate the public college and university system, including community colleges, to determine the feasibility of establishing job training programs specifically geared toward creating science, technology, engineering and mathematics employment opportunities and to identify and establish career ladders within science, technology, engineering and mathematics employment opportunities. The council shall also investigate the impact of changing demographics on the commonwealth and make recommendations on ways to incorporate the changes in order to enhance the state’s capacity to build a strong and competitive workforce. The council shall submit quarterly reports on the fund’s progress and shall, not later than December 31, submit a cumulative annual report, together with any recommendations, to the clerk of the senate, the clerk of the house of representatives, the chair of the house and senate committees on ways and means, the
chairpersons of the joint committee on economic development and emerging technologies, the chairpersons of the joint committee on labor and workforce development, the chairpersons of the joint committee on higher education, and the chairpersons of the joint committee on education. The reports shall include: (1) a list of grant recipients from the pipeline fund; (2) the amount of each grant; (3) the amounts of nonstate funding credited to the pipeline fund; (4) the purposes of grants from the pipeline fund; (5) an annual statement of cash inflows and outflows detailing the sources and uses of the funds; (6) a forecast of future payments based on current binding obligations; and (7) a detailed breakdown of the purposes and amounts of administrative costs charged to the fund.

SECTION 29. Section 1 of chapter 29 of the General Laws, as so appearing, is hereby amended by inserting after the definition of “Consolidated net surplus in the budgetary funds” the following definition:— “Council”, the Robert H. Goddard Council on Science, Technology, Engineering and Mathematics Education established pursuant to section 4A of chapter 15A.

SECTION 30. Said chapter 29 is hereby further amended by striking out section 2MMM, as so appearing, and inserting in place thereof the following section:—

Section 2MMM. (a) There is hereby established and set up on the books of the commonwealth a separate fund to be known as the Massachusetts Science, Technology Engineering, and Mathematics Grant Fund, hereinafter referred to as the Pipeline Fund, to which shall be credited any appropriations, bond proceeds or other monies authorized by the general court and specifically designated to be credited thereto, and any additional funds designated by the corporation for deposit into the Pipeline Fund, including any pension funds, federal grants or loans, or private donations made available to the chancellor of higher education for deposit into the fund. The board of higher education shall hold the Pipeline Fund in an account or accounts separate from other funds or accounts. Amounts credited to the Pipeline Fund shall be used by the chancellor of higher education, in consultation with the Massachusetts Development Finance Agency, the Massachusetts Technology Park Corporation and the Robert H. Goddard Council on Science, Technology Engineering, and Mathematics Education, established pursuant to section 4A of chapter 15A.

(b) The public purpose of the Pipeline Fund shall be to increase the number of students who participate in programs that support careers in fields related to science, technology, engineering and mathematics. In furtherance of this public purpose, and in a manner consistent with the recommendations of the council, the chancellor of higher education, in consultation with the commissioner of education and the president of the University of Massachusetts, shall employ the Pipeline Fund through grants and other disbursements and activities that are calculated to increase the number of qualified science, technology, engineering and mathematics teachers and to improve the science, technology, engineering and mathematics educational offerings available in public and private schools. The grants and other disbursements and activities may involve, without limitation, the University of Massachusetts, state and community colleges, business and industry partnerships, workforce investment boards, private colleges and universities, and public and private school districts to further the purposes of the Pipeline Fund. The grants and other disbursements and activities may support, without limitation: (i) the development and use of innovative curricula, courses and programs in science, technology, engineering and mathematics for new teachers and in-service teachers that provide appropriate science, technology, engineering and mathematics content, and instruction in innovative ways to teach science, technology, engineering and mathematics including, but not limited to, the use of hands on, experimental learning and e-learning, that are consistent with the Massachusetts standards and curriculum frameworks established pursuant to sections 1D and 1E of chapter
(ii) the development of a science, technology, engineering and mathematics network to create, implement, share and make broadly and publicly available the best practices and innovative programs relative to science, technology, engineering and mathematics instruction and expanding and maintaining student interest in science, technology, engineering and mathematics studies and careers; (iii) effective ways to teach science, technology, engineering and mathematics; (iv) give priority to grants that provide effective course and curricula for in-service teachers in low income schools or school districts; “and (v) summer programs for high school students, with appropriate stipends, that would allow interested and motivated students to intern in private or nonprofit corporations or in public programs that are in a position to further their interest, knowledge and experience in these fields; provided, that priority for the summer programs shall be given to students in groups that are presently underrepresented in these fields including, but not limited to, persons of color, women, and those whose native language is not English; provided further, that not more than 20 per cent of the fund shall be awarded to any 1 single institution and not more than 5 per cent of the fund shall be expended pursuant to clause (v).

(c) There shall be under Commonwealth Medicine at the University of Massachusetts medical school and the department of education’s office for mathematics, science and technology engineering, the Massachusetts Academy for Life Sciences. The Massachusetts Academy for Life Sciences, subject to appropriation from the Pipeline Fund, shall establish a program which shall consist of mobile science labs with 1 mobile lab assigned and designated for each of the following 5 regions: western Massachusetts, central Massachusetts, metropolitan Boston, northeastern Massachusetts and southeastern Massachusetts. The mission of the Massachusetts Academy for Life Sciences shall be to encourage students to consider careers in life sciences and healthcare by participating in enhanced science courses through the use of the mobile labs.

(d) The board of higher education shall, in consultation with the council, promulgate policies, rules and regulations for the administration and implementation of subsections (a) and (b). The chancellor of higher education shall file any policies, rules and regulations with the joint committee on education, the joint committee on higher education, the joint committee economic development and emerging technologies and the joint committee on labor and workforce development for review and comment at least 30 days before the effective date of the policies, rules or regulations.

(e) The chancellor of higher education shall file a quarterly report with the house and senate committees on ways and means, the joint committee on economic development and emerging technologies, the joint committee on labor and workforce development, the joint committee on education, and the joint committee on higher education on the following: (i) a list of grant recipients, (ii) the associated grant amounts, (iii) the amounts of non-state funding leveraged as a result of the grants, (iv) the purposes of the grants, (v) an annual statement of cash inflows and outflows detailing the sources and uses of funds, (vi) a forecast of future payments based on current binding obligations, and (vii) a detailed breakdown of the purposes and amounts of administrative costs charged to the fund.

SECTION 98. Notwithstanding any other general or special law to the contrary, 10 days after the effective date of this act, the comptroller shall transfer $4,000,000 from the General Fund to the Massachusetts Science, Technology, Engineering and Mathematics Grant Fund established pursuant to section 2MMM of chapter 29 of the General Laws.
SECTION 31.

Section 2SSS. There is hereby established and set up on the books of the commonwealth a separate fund to be known as the Educational Rewards Grant Program Fund, hereinafter referred to as the fund. The fund shall provide grants to students in accredited post-secondary certificate or vocational technology programs or associate degree programs in targeted high-demand occupations. The department of workforce development and the board of higher education in consultation with the Massachusetts Workforce Board Association, the state workforce investment board, the reach higher initiative and the workforce accountability task force established pursuant to section 11 of chapter 23H shall determine the eligible high demand occupations. If a Bachelor’s degree program is needed for a profession in critical demand, it may be added to the eligible programs. Of the appropriation for grants, up to 1/3 may be used for students enrolled as full-time students and at least 2/3 of the total grant amount shall be reserved for students enrolled 1/2 time or less. Grant recipients shall be limited to dislocated workers or those with incomes at or below 200 per cent of the federal poverty level or other standards or criteria as may be established by the department and the board in consultation with the workforce accountability task force established pursuant to section 11 of chapter 23H. Grants from the program fund shall be a maximum of $3,000 and shall be used to fund tuition, fees and books; provided, however, that up to 30 per cent of the grant amount may be applied to fund living expenses. The grant program shall serve as a last resort, after other federal and state grants have been exhausted. The department of workforce development and the board of higher education shall jointly administer the grant program.

SECTION 99. Notwithstanding any general or special law to the contrary, not less than 10 days after the effective date of this act, the comptroller shall transfer $1,500,000 from the General Fund to the Educational Rewards Grant Program Fund established pursuant to section 2SSS of chapter 29 of the General Laws.

Section 2UUU. (a) There is hereby established and set up on the books of the commonwealth a separate fund to be known as the Massachusetts Board of Higher Education Scholar-Internship Match Fund, hereafter referred to as the Scholar/Internship Match Fund. The board of higher education shall hold the Scholar-Internship Match fund in an account separate from other funds or accounts. Amounts credited to the Scholarship/Internship Match Fund shall be used by the chancellor of higher education or her designee, in accordance with the purpose set forth in this section and in consultation with participating industry and public higher education institutions. An amount not to exceed $100,000 shall be spent each year to promote the existence of the Scholar-Internship Match Fund with the goal of attracting and maximizing industry participation.

(b) The public purpose of the Scholar-Internship Match Fund shall be to provide a match for industry scholarships given to Massachusetts students going on to study for a post-secondary degrees at Massachusetts public higher education institutions. The amount to be matched through the Scholar-Internship Match Fund shall not exceed $5,000 per student, contingent upon receiving a corresponding industry scholarship or internship of up to the same amount.

(c) The chancellor of higher education shall, not later than July 1, annually report to the house and senate committees on ways and means, the joint committee on economic development and emerging technologies, the joint committee on labor and workforce development, the joint
committee on education and the joint committee on higher education. The report shall include: (i) a list of matching scholarship recipients; (ii) the associated match amount; (iii) the amounts of non-state funding as a result of the match; (iv) the purposes of the match; (v) whether there was an internship associated with the industry match; (vi) an annual statement of cash inflows and outflows detailing the sources and uses of funds; (vii) a forecast of future payments based on current binding obligations; and (viii) a detailed account of the purposes and amount of administrative costs charged to the fund. The chancellor shall include in annual report a detailed 5 year legislative review of the Scholar-Internship Match Fund for consideration for recapitalization.

SECTION 101. Notwithstanding any general or special law to the contrary, 10 days after the effective date of this act, the comptroller shall transfer $2,500,000 from the General Fund to the Scholar-Internship Match Fund established pursuant to section 2UU of chapter 29 of the General Laws.