

116TH CONGRESS
2D SESSION

H. R. 8693

To establish an independent agency in the executive branch to be known as the Federal Institute of Technology, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

OCTOBER 27, 2020

Mr. KHANNA (for himself, Mr. HIMES, Mr. RYAN, Ms. JAYAPAL, Ms. DELBENE, Mr. THOMPSON of Mississippi, Mr. SOTO, Mr. EVANS, and Ms. BARRAGÁN) introduced the following bill; which was referred to the Committee on Education and Labor, and in addition to the Committees on Oversight and Reform, Ways and Means, Financial Services, Transportation and Infrastructure, Science, Space, and Technology, and Energy and Commerce, for a period to be subsequently determined by the Speaker, in each case for consideration of such provisions as fall within the jurisdiction of the committee concerned

A BILL

To establish an independent agency in the executive branch to be known as the Federal Institute of Technology, and for other purposes.

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress assembled,*

3 **SECTION 1. SHORT TITLE.**

4 This Act may be cited as the “21st Century Jobs
5 Act”.

1 **SEC. 2. FINDINGS AND SENSE OF CONGRESS.**

2 (a) FINDINGS.—Congress finds the following:

3 (1) In the year 2018, funding for research and
4 development in science and technology in the United
5 States was \$124.7 billion, or approximately 0.6 per-
6 cent of the gross domestic product.

7 (2) In the year 1964, the United States spent
8 approximately 2 percent of gross domestic product
9 on research and development in science and tech-
10 nology.

11 (3) Public funding for research and develop-
12 ment in science and technology financed a majority
13 of the innovations that powered growth in the
14 United States after World War II, including digital
15 computing and modern pharmaceutical science.

16 (4) The United States currently ranks ninth in
17 the world for total percentage of gross domestic
18 product used for research and development in
19 science and technology and twelfth in the world for
20 public funding for research and development in
21 science and technology.

22 (5) Funding for research and development in
23 science and technology is concentrated in a small
24 number of geographic regions in the United States.

25 (6) Established technology centers that promote
26 research and development in science and technology

1 are extremely crowded, have high real estate costs,
2 and are in locations that require long commutes for
3 many of the researchers at such centers.

4 (7) The private sector has a limited ability or
5 desire to invest outside of such centers, which limits
6 the potential for growth in science and technology,
7 including the availability of employment opportuni-
8 ties in such industries.

9 (8) Increasing public funding for research and
10 development in science and technology to 1 percent
11 of the gross domestic product would significantly in-
12 crease the rank of the United States with respect to
13 funding for such research and development among
14 developed countries.

15 (b) SENSE OF CONGRESS.—It is the sense of the
16 Congress that amounts provided through this Act will be
17 used—

18 (1) in a manner that is similar to break-
19 through-focused, project management models of the
20 Defense Advanced Research Projects Agency of the
21 Department of Defense; and

22 (2) to supplement existing funding to Federal
23 agencies.

1 **SEC. 3. THE FEDERAL INSTITUTE OF TECHNOLOGY.**

2 (a) ESTABLISHMENT.—There is established in the ex-
3 ecutive branch of the Government an independent agency
4 to be known as the “Federal Institute of Technology” (in
5 this section referred to as the “Institute”).

6 (b) HEADQUARTERS.—The Institute shall be
7 headquartered in the District of Columbia.

8 (c) BOARD OF DIRECTORS.—

9 (1) IN GENERAL.—The Institute shall have a
10 Board of Directors (in this section referred to as the
11 “Board”).

12 (2) DUTIES OF THE BOARD.—The duties of the
13 Board shall include the following:

14 (A) Not later than 2 years after the date
15 of the enactment of this section, establish a
16 minimum of 10 local boards in accordance with
17 subsection (d), including—

18 (i) appointing the members of each
19 local board with consideration given to the
20 recommendations provided pursuant to
21 subsection (d)(1)(A)(iii);

22 (ii) providing funding to local boards
23 to support the local boards in achieving the
24 duties under subsection (d)(3) and to carry
25 out the comprehensive strategy under sub-
26 section (d)(2), including funds from

1 amounts in the private endowment estab-
2 lished under subsection (e); and

3 (iii) annually evaluate the effective-
4 ness of each local board based on the re-
5 quirements developed pursuant to sub-
6 section (d)(1)(D).

7 (B) Provide funds to Federal, State, and
8 local agencies to support programs and research
9 in the qualified subjects, including programs
10 and research in certain technology sectors.

11 (3) LOCAL BOARD LIMITATION.—The Board
12 may establish—

13 (A) not more than 30 local boards in the
14 10-year period after the date of the enactment
15 of this Act; and

16 (B) not more than 3 local boards each fis-
17 cal year during such period.

18 (4) NEW LOCAL BOARD APPLICATIONS.—The
19 Board may consider new applications on an annual
20 basis each fiscal year for the 10-year period after
21 the date of the enactment of this Act, and every 3
22 years thereafter.

23 (5) MEMBERS; CHAIR.—The President shall—

1 (A) appoint 5 members of the Board by
2 and with the advice and consent of the Senate;
3 and

4 (B) designate a Chair from among the
5 members.

6 (6) TERMS.—

7 (A) LENGTH.—Each Board member shall
8 be appointed for a term of 5 years.

9 (B) AMOUNT.—Each Board member shall
10 not serve more than 2 terms.

11 (7) VACANCY.—A vacancy on the Board shall
12 be filled in the manner in which the original appoint-
13 ment was made.

14 (8) BASIC PAY.—To the extent or in the
15 amounts provided in advance in appropriation Acts,
16 members shall each be paid at a rate not to exceed
17 the rate of basic pay for level II of the Executive
18 Schedule.

19 (d) LOCAL BOARDS.—

20 (1) APPLICATIONS.—

21 (A) IN GENERAL.—In establishing local
22 boards pursuant to subsection (c)(1)(A), the
23 Board shall consider applications on a competi-
24 tive basis from State and local governments,
25 which shall include the following:

1 (i) The location of the local board,
2 which must be in a covered region that—

3 (I) possesses relevant assets for
4 the development of technology; and

5 (II) does not possess a leading
6 technology center.

7 (ii) A comprehensive strategy de-
8 scribed under paragraph (2).

9 (iii) A recommendation of individuals
10 to be appointed to the local board.

11 (B) DURATION PERIOD.—Each grant
12 under this section shall be made for a period of
13 10 years, provided that the local board that re-
14 ceives such grant meets the requirements devel-
15 oped pursuant to subparagraph (C).

16 (C) REQUIREMENTS.—The Board shall de-
17 velop requirements for each local board based
18 on the comprehensive strategy of each such
19 local board.

20 (2) COMPREHENSIVE STRATEGY.—Each local
21 board shall submit to the Board a comprehensive
22 strategy that includes the following:

23 (A) A technology development plan, includ-
24 ing the focus of the local board and existing ad-

1 vantages for the development of a hub in the
2 covered region of the local board.

3 (B) A spending plan, including an outline
4 of the use of funds based on the duties of the
5 local board under paragraph (3).

6 (C) A plan to address infrastructure bar-
7 riers to the development of a hub, including—

8 (i) the development of data infrastruc-
9 ture;

10 (ii) remediation of environmentally
11 damaged sites;

12 (iii) the development of buildings,
13 labs, roads, and bridges; and

14 (iv) improvements to airports, train
15 stations, and other forms of public transit.

16 (D) A higher education improvement plan,
17 including—

18 (i) hiring faculty;

19 (ii) supporting students; and

20 (iii) partnering with institutions of
21 higher education.

22 (E) A primary and secondary education
23 improvement plan, including—

24 (i) an outline with respect to edu-
25 cating students in science, technology, en-

gineering, and mathematics through the
use of Federal resources; and

(ii) an evidence-based program to
overcome existing barriers to student
achievement in the covered region.

(F) A career placement plan based on the
duties of the local board under paragraph (3).

(G) A plan to improve access to capital for
local businesses.

(H) A sustainable growth plan that—

(i) ensures housing remains affordable
in the covered region; and

(ii) addresses environmentally dam-
aged areas in the covered region.

(3) DUTIES OF THE LOCAL BOARD.—Each local
board shall—

(A) establish a hub and oversee the activi-
ties of such hub;

(B) make grants available for programs
and research in the qualified subjects in covered
regions, which may include grants to—

(i) promote the development of stu-
dent skills at all levels, including—

(I) primary and secondary school
improvements that support education

1 in technology and the qualified sub-
2 jects;

3 (II) fellowships for under-
4 graduate students to support edu-
5 cation in technology and the qualified
6 subjects; and

7 (III) post-graduate fellowship
8 programs to support such graduate
9 students working in technology and
10 the qualified subjects;

11 (ii) improve the ability of local institu-
12 tions of higher education to carry out lead-
13 ing-edge research in technology and the
14 qualified subjects, including—

15 (I) hiring faculty in the relevant
16 areas;

17 (II) laboratory construction and
18 development;

19 (III) developing and sponsoring
20 programs to promote technological en-
21 trepreneurship among students (in
22 partnership with leading firms in the
23 covered region); and

24 (IV) developing partnerships with
25 local businesses to facilitate the tran-

1 sition of students to the technology
2 workforce; and

3 (iii) develop effective pathways for ca-
4 reer advancement in technology that cre-
5 ates and reduces the costs of—

6 (I) training programs for work in
7 technology jobs; and

8 (II) apprenticeship programs in
9 technology jobs;

10 (C) develop effective infrastructure to pro-
11 mote the creation of a technology center as de-
12 scribed in the plan under paragraph (2)(C);

13 (D) improve access to capital for busi-
14 nesses in the covered region, including—

15 (i) supporting partnerships with ven-
16 ture capitalists in regions with developed
17 technology centers in the United States;
18 and

19 (ii) providing matching funds for Fed-
20 eral grants that support innovative busi-
21 nesses;

22 (E) develop and implement a plan for im-
23 proving education in the qualified subjects;

24 (F) develop and implement a plan for in-
25 creasing employment opportunities in the cov-

1 ered region in which the local board is located,
2 including—

3 (i) coordinating with the heads of
4 businesses and institutions of higher edu-
5 cation to support job placement in the cov-
6 ered region; and

7 (ii) analyzing employment indicators
8 with respect to high-wage job opportunities
9 in the covered region of the local board to
10 determine—

11 (I) areas that need development
12 in such industries; and

13 (II) ways such industries would
14 benefit from the advancement of tech-
15 nology;

16 (G) analyze infrastructure in covered re-
17 gions and provide policy recommendations to
18 the Board with respect to inadequate infra-
19 structure, including data infrastructure;

20 (H) analyze the cost of housing, zoning
21 regulations, and laws related to housing in the
22 covered region of the local board and provide
23 policy recommendations to State and local gov-
24 ernments to ensure the cost of housing remains
25 affordable as the hub established pursuant to

1 subparagraph (A) increases research activities
2 in such covered region; and

3 (I) provide support for the development of
4 technology, including establishing partnerships
5 with institutions of higher education.

6 (e) GIFTS, BEQUESTS, AND DEVISES.—Notwith-
7 standing section 3302 of title 31, United States Code, and
8 without further appropriation, the Board may accept, use,
9 or dispose of gifts, bequests, or devises of services or prop-
10 erty, both real and personal, for the purpose of aiding or
11 facilitating the work of the Institute. Gifts, bequests, or
12 devises of money and proceeds from sales of other prop-
13 erty received as gifts, bequests, or devices shall be depos-
14 ited in a private endowment for disbursement upon order
15 of the Board.

16 (f) INSPECTOR GENERAL OF THE FEDERAL INSTI-
17 TUTE OF TECHNOLOGY.—Section 12 of the Inspector
18 General Act of 1978 (Public Law 95–452; 5 U.S.C. App.)
19 is amended—

20 (1) in paragraph (1), by inserting “the Board
21 of Directors of the Federal Institute of Technology;”
22 after “the Tennessee Valley Authority;”; and

23 (2) in paragraph (2), by inserting “the Federal
24 Institute of Technology,” after the “Tennessee Val-
25 ley Authority,”.

1 (g) REPORTS.—

2 (1) LOCAL BOARD REPORT.—Not later than 1
3 year after the date of the enactment of this section,
4 and annually thereafter, each local board shall sub-
5 mit to the Board a report containing recommenda-
6 tions based on the activities of each such local
7 board, including recommendations for—

8 (A) legislation that—

9 (i) supports research and education in
10 the qualified subjects;

11 (ii) increases employment opportuni-
12 ties related to the qualified subjects;

13 (iii) addresses inadequate infrastruc-
14 ture in covered regions; and

15 (iv) ensures the cost of housing is af-
16 fordable in covered regions;

17 (B) funding scientific development; and

18 (C) policy priorities with respect to sup-
19 porting scientific development.

20 (2) BREAKTHROUGH SCIENCE REPORT.—Not
21 later than 1 year after the date of the enactment of
22 this section, and annually thereafter, the Board shall
23 submit to the President and Congress a report
24 known as the “Breakthrough Science Report” con-
25 taining recommendations for—

1 (A) legislation based on the activities of
2 the Institute; and

3 (B) policy priorities with respect to sup-
4 porting scientific development, which shall take
5 the funding priorities of the private sector into
6 account.

7 (3) NATIONAL ACADEMY OF SCIENCES RE-
8 PORT.—Not later than 1 year after the date of the
9 enactment of this section, and annually thereafter,
10 the National Academy of Sciences shall submit to
11 Congress a report on the activities of the local
12 boards, including an analysis of research activities
13 for areas that did not receive grants from such local
14 boards.

15 (4) AUTHORIZATION OF APPROPRIATIONS; USE
16 OF AMOUNTS.—

17 (A) AUTHORIZATION OF APPROPRIA-
18 TIONS.—To carry out this section, there is au-
19 thorized to be appropriated to the Board—

20 (i) \$67,500,000,000 for fiscal year
21 2022;

22 (ii) \$72,500,000,000 for fiscal year
23 2023;

24 (iii) \$77,500,000,000 for fiscal year
25 2024;

- 1 (iv) \$82,500,000,000 for fiscal year
2 2025;
3 (v) \$87,500,000,000 for fiscal year
4 2026;
5 (vi) \$92,500,000,000 for fiscal year
6 2027;
7 (vii) \$97,500,000,000 for fiscal year
8 2028;
9 (viii) \$102,500,000,000 for fiscal year
10 2029;
11 (ix) \$107,500,000,000 for fiscal year
12 2030; and
13 (x) \$112,500,000,000 for fiscal year
14 2031.

15 (B) USE OF AMOUNTS.—Of the amounts
16 made available to the Board under subpara-
17 graph (A) in each fiscal year to carry out this
18 section not less than—

- 19 (i) 12.5 percent shall be used to pro-
20 vide funds to the Department of Energy;
21 (ii) 12.5 percent shall be used to pro-
22 vide funds to the National Science Foun-
23 dation;

1 (iii) 12.5 percent shall be used to pro-
2 vide funds to the National Institutes of
3 Health; and

4 (iv) 20 percent shall be used to pro-
5 vide funds to the local boards to carry out
6 the duties under subsection (d)(3).

7 (C) DEFINITIONS.—In this section:

8 (i) CERTAIN TECHNOLOGY SEC-
9 TORS.—The term “certain technology sec-
10 tors” means areas in technology that relate
11 to the qualified subjects, which may in-
12 clude the following:

13 (I) Advanced manufacturing.

14 (II) Artificial intelligence.

15 (III) Biotechnology.

16 (IV) Blockchain technology.

17 (V) Climate science.

18 (VI) Computer science.

19 (VII) Cybersecurity.

20 (VIII) Material science.

21 (IX) Medical technology.

22 (X) Synthetic Biology.

23 (XI) Telecommunications.

24 (XII) Transportation technology.

1 (XIII) Virtual reality and aug-
2 mented reality.

3 (ii) COVERED REGION.—The term
4 “covered region” means a physical bound-
5 ary identified by a local board and located
6 near an institution of higher education.

7 (iii) HUB.—The term “hub” means a
8 center for research in the qualified sub-
9 jects.

10 (iv) QUALIFIED SUBJECTS.—The term
11 “qualified subjects” means mathematics
12 and the physical, biological, engineering,
13 social, and chemical sciences.

14 **SEC. 4. PREFERENCE FOR SOFTWARE PRODUCED IN**
15 **RURAL AREAS AND MINORITY MAJORITY**
16 **AREAS.**

17 (a) IN GENERAL.—Chapter 33 of title 41, United
18 States Code, is amended by adding at the end the fol-
19 lowing:

20 **“§ 3313. Preference for software produced in rural**
21 **areas and minority majority areas**

22 “In awarding a contract for the procurement of soft-
23 ware, an agency shall provide a contracting preference to
24 an offeror who demonstrates in the bid or proposal of that
25 offeror that at least 10 percent of the production or devel-

1 opment of the software offered in that bid or proposal oc-
 2 curred in or will occur in—

3 “(1) a rural area, as that term is defined under
 4 section 343(a)(13) of the Consolidated Farm and
 5 Rural Development Act (7 U.S.C. 1991(a)(13)); or

6 “(2) a zip code in which over 50 percent of the
 7 residents of such zip code are minorities, as that
 8 term is defined under section 365 of the Higher
 9 Education Act of 1965 (20 U.S.C. 1067k).”.

10 (b) TECHNICAL AMENDMENT.—The table of sections
 11 at the beginning of chapter 33 of title 41, United States
 12 Code, is amended by inserting after the matter relating
 13 to section 3312 the following:

“3313. Preference for software produced in rural areas and minority majority
 areas.”.

14 **SEC. 5. EQUAL EMPLOYMENT OPPORTUNITY COMMISSION**
 15 **RULES REQUIRED FOR EMPLOYERS TO RE-**
 16 **PORT INFORMATION REGARDING EMPLOY-**
 17 **EES.**

18 The Equal Employment Opportunity Commission
 19 shall—

20 (1) initiate a rulemaking proceeding, including
 21 notice and opportunity for public comment, not later
 22 than 90 days after the date of the enactment of this
 23 section, and

1 (2) issue rules not later than 18 months after
2 the date of the enactment of this section,
3 to require employers to specify in the periodic employer
4 information reports submitted to the Commission by each
5 such employer the number of individuals employed by the
6 employer, the number of individuals performing services
7 billed hourly by head count or by team for the employer,
8 the countries in which such respective individuals reside,
9 and all of the revenue generated by the employer in each
10 such country.

11 **SEC. 6. AMENDMENT TO THE ELEMENTARY AND SEC-**
12 **ONDARY EDUCATION ACT.**

13 (a) IN GENERAL.—Section 1111(b)(1)(C) of the Ele-
14 mentary and Secondary Education Act of 1965 (20 U.S.C.
15 6311(b)(1)(C)) is amended by striking “and science” and
16 inserting “science, and computer science”.

17 (b) EFFECTIVE DATE.—Not later than 5 years after
18 the date of the enactment of this section, the amendment
19 made by subsection (a) shall take effect.

20 (c) REPORT REQUIRED.—Not later than 3 years
21 after the date of the enactment of this section, each State
22 educational agency shall submit to the Secretary a report
23 on preparations made by local educational agencies within
24 the State to implement academic standards for computer
25 science as required under section 1111(b)(1)(C) of the El-

1 elementary and Secondary Education Act of 1965 (20
2 U.S.C. 6311(b)(1)(C)), as amended by subsection (a).

3 **SEC. 7. COMPUTER SCIENCE EDUCATION GRANTS.**

4 (a) IN GENERAL.—Not later than 1 year after the
5 date of the enactment of this section, the Secretary of
6 Education (referred to in this section as the “Secretary”)
7 shall carry out a program known as the “Computer
8 Science Education Grant Program” (referred to in this
9 section as the “Program”) to make grants on a competi-
10 tive basis to eligible entities to pay the Federal share of
11 the costs of training teachers and developing computer
12 science curriculum (which includes data analytics) in ac-
13 cordance with subsection (c).

14 (b) APPLICATIONS.—To be eligible to receive a grant
15 under the Program, an eligible entity shall submit to the
16 Secretary an application at such time, in such manner,
17 and containing such information as the Secretary may re-
18 quire.

19 (c) REQUIREMENT FOR USES OF GRANT FUNDS.—
20 An eligible entity that receives a grant under the Program
21 shall use grant funds to—

22 (1) create opportunities for licensed elementary
23 school teachers to pursue and receive training in
24 computer science for the purpose of incorporating

1 computer science in the curriculum and educational
2 material of such teacher;

3 (2) create opportunities for licensed secondary
4 school teachers to add computer science endorse-
5 ments to the license of each such teacher and to pro-
6 vide computer science learning experiences that are
7 age-appropriate;

8 (3) provide assistance to States that do not
9 have computer science standards for teachers or stu-
10 dents to develop such standards and provide licenses
11 and endorsements with respect to such standards;

12 (4) create opportunities for teacher candidates
13 interested in computer science to complete a full-
14 year residency program specialized in computer
15 science;

16 (5) expand access for teachers and students to
17 high-quality learning materials, including computer
18 equipment and high speed network infrastructure
19 that supports the study of computer science;

20 (6) expand computer science education pro-
21 grams—

22 (A) at public institutions of higher edu-
23 cation; and

24 (B) for the education of teachers;

1 (7) create and implement plans for expanding
2 access to rigorous classes in science, technology, en-
3 gineering, and math for underrepresented groups,
4 including minorities, girls, and youth from low-in-
5 come families; and

6 (8) ensure support and resources for students,
7 which may include mentoring for students tradition-
8 ally underrepresented in fields related to science,
9 technology, engineering, and math.

10 (d) PRIORITY.—In awarding grants under this sec-
11 tion, the Secretary shall give priority to applicants that
12 demonstrate greater need as determined by the Secretary.

13 (e) EVALUATION AND REPORT.—An eligible entity
14 that receives a grant under the Program shall—

15 (1) conduct an evaluation on the effects of the
16 Program, including any increase in the ability of
17 teachers to teach computer science; and

18 (2) submit to the Secretary a report on such
19 evaluation.

20 (f) LIMITATION ON USE OF GRANT FUNDS.—An eli-
21 gible entity that receives a grant under the Program may
22 not use more than 20 percent of the grant funds to pur-
23 chase computer equipment and network infrastructure.

24 (g) GRANT DURATION AND AMOUNT.—

1 (1) DURATION.—Each grant under this section
2 shall be made for a period of 5 years.

3 (2) AMOUNT.—The Secretary shall determine
4 the maximum amount of each grant under this sec-
5 tion.

6 (h) FEDERAL SHARE.—The Federal share of a grant
7 under the Program shall not exceed 90 percent of the costs
8 of carrying out the activities described in subsection (c).

9 (i) SUPPLEMENT, NOT SUPPLANT.—An eligible enti-
10 ty shall use a grant received under the Program only to
11 supplement funds that would, in the absence of such
12 grant, be made available from other Federal, State, or
13 local sources for activities supported by the grant, not to
14 supplant such funds.

15 (j) ELIGIBLE ENTITY DEFINED.—The term “eligible
16 entity” means—

17 (1) a State educational agency;

18 (2) an institution of higher education; and

19 (3) a local educational agency.

20 (k) AUTHORIZATION OF APPROPRIATIONS.—There is
21 authorized to be appropriated to carry out this section
22 \$8,000,000,000 for fiscal year 2021.

23 **SEC. 8. SMART STUDENTS EVERYWHERE GRANTS.**

24 (a) ELIGIBLE PARTICIPANTS.—

1 (1) IN GENERAL.—Section 401A of the Higher
2 Education Act of 1965 (20 U.S.C. 1070a–1) is
3 amended—

4 (A) in subsection (a), by inserting “or
5 graduate” before “education”;

6 (B) in subsection (b)—

7 (i) in paragraph (1), by striking
8 “and” at the end;

9 (ii) in paragraph (2), by striking the
10 period at the end and inserting “; and”;
11 and

12 (iii) by adding at the end the fol-
13 lowing:

14 “(3) for the first through fourth year in a grad-
15 uate program in science, technology, engineering, or
16 mathematics shall be known as a ‘SMART Students
17 Everywhere Grant’.”;

18 (C) by amending subsection (c) to read as
19 follows:

20 “(c) DEFINITION OF ELIGIBLE STUDENT.—In this
21 section, the term ‘eligible student’ means a student who—

22 “(1) either—

23 “(A) received a high school diploma from
24 a high school located in a county that has a col-

1 lege graduation rate that is below the national
2 average; or

3 “(B) is a minority student; and

4 “(2) for the award year for which the deter-
5 mination of eligibility is made for a grant under this
6 section—

7 “(A) except with respect to a student de-
8 scribed in clause (C)(vi), is eligible for a Fed-
9 eral Pell Grant;

10 “(B) is enrolled or accepted for enrollment
11 in an institution of higher education on not less
12 than a half-time basis; and

13 “(C) in the case of a student enrolled or
14 accepted for enrollment in—

15 “(i) the first year of a program of un-
16 dergraduate education at an institution of
17 higher education (including a program of
18 not less than one year for which the insti-
19 tution awards a certificate)—

20 “(I) has not been previously en-
21 rolled in a program of undergraduate
22 education, except as part of a sec-
23 ondary school program of study; and

24 “(II) is certified by the institu-
25 tion of higher education as pursuing a

1 major in the physical, life, or com-
2 puter sciences, mathematics, tech-
3 nology, or engineering (as determined
4 by the Secretary pursuant to regula-
5 tions); or

6 “(ii) the second year of a program of
7 undergraduate education at a two- or four-
8 year degree-granting institution of higher
9 education (including a program of not less
10 than two years for which the institution
11 awards a certificate), is certified by the in-
12 stitution of higher education as pursuing a
13 major in a subject described in clause
14 (i)(II);

15 “(iii) the third or fourth year of a
16 program of undergraduate education at a
17 four-year degree-granting institution of
18 higher education, is certified by the institu-
19 tion of higher education to be pursuing a
20 major in a subject described in clause
21 (i)(II);

22 “(iv) the third or fourth year of a pro-
23 gram of undergraduate education at an in-
24 stitution of higher education (as defined in
25 section 101(a)), if such institution of high-

er education demonstrates, to the satisfaction of the Secretary, that—

“(I) such institution of higher education offers a single liberal arts curriculum leading to a baccalaureate degree, under which students are not permitted by the institution to declare a major in a particular subject area, and the student—

“(aa) studies, in such years, a subject described in clause (i)(II) that is at least equal to the requirements for an academic major at an institution of higher education that offers a baccalaureate degree in such subject, as certified by an appropriate official from such institution; or

“(bb) is required, as part of the student’s degree program, to undertake a course of study in a subject described in clause (i)(II) which consists of at least—

“(AA) 4 years of study in mathematics; and

1 “(BB) 3 years of study
2 in the sciences, with a lab-
3 oratory component in each
4 of those years; and

5 “(II) such institution offered
6 such curriculum prior to February 8,
7 2006;

8 “(v) the fifth year of a program of un-
9 dergraduate education that requires 5 full
10 years of coursework, as certified by the ap-
11 propriate official of the degree-granting in-
12 stitution of higher education, for which a
13 baccalaureate degree is awarded by a de-
14 gree-granting institution of higher edu-
15 cation, is certified by such institution of
16 higher education to be pursuing a major in
17 a subject described in clause (i)(II); or

18 “(vi) the first through fourth year of
19 a graduate program at an institution of
20 higher education, is certified by such insti-
21 tution of higher education to be pursuing
22 a graduate degree (including a program of
23 not less than two years for which the insti-
24 tution awards a certificate) in a subject de-
25 scribed in clause (i)(II).”;

1 (D) in subsection (d)—

2 (i) in paragraph (1)—

3 (I) by amending subparagraph

4 (A) to read as follows:

5 “(A) IN GENERAL.—The Secretary shall
6 award a grant under this section in the amount
7 of—

8 “(i) \$10,000 for an eligible student
9 under clause (i) through (v) of subsection
10 (c)(2)(C); and

11 “(ii) \$20,000 for an eligible student
12 under clause (vi) of subsection (c)(2)(C).”;

13 (II) in subparagraph (B)(i), by
14 striking “a student” and inserting
15 “an undergraduate student”; and

16 (III) by adding at the end the
17 following:

18 “(C) REDUCTION FOR LESS THAN FULL-
19 TIME GRADUATE STUDENTS.—Notwithstanding
20 subparagraph (A), in any case in which a grad-
21 uate that attends an institution of higher edu-
22 cation on less than a full-time basis, the
23 amount of the grant that such a student may
24 receive shall be reduced in proportion to the de-

1 gree to which such student is not so attending
2 on a full-time basis.”;

3 (ii) in paragraph (2)—

4 (I) in subparagraph (A), by in-
5 serting “or graduate” after “under-
6 graduate”; and

7 (II) in subparagraph (B), by
8 striking “subsection (c)(3)” and in-
9 serting “subsection (c)(2)(C)”; and

10 (iii) in paragraph (3), by inserting “to
11 an undergraduate student” before “in the
12 same manner”; and

13 (E) by striking subsections (e), (f), and (g)
14 and inserting the following:

15 “(e) REPORT TO SECRETARY.—An institution of
16 higher education shall submit to the Secretary a report
17 on the students who receive a grant under this section,
18 including data disaggregated with respect to the degree
19 being pursued by such students and (if applicable) the
20 earnings of such students.

21 “(f) FUNDING.—

22 “(1) AUTHORIZATION OF APPROPRIATIONS.—

23 There is authorized to be appropriated to the Sec-
24 retary of Education to carry out this section

1 \$5,000,000,000 for fiscal year 2020 and each fiscal
2 year thereafter.

3 “(2) AVAILABILITY OF FUNDS.—The amounts
4 made available by paragraph (1) for any fiscal year
5 shall be available from October 1 of that fiscal year
6 and remain available through September 30 of the
7 succeeding fiscal year.

8 “(3) TECHNICAL ASSISTANCE.—

9 “(A) IN GENERAL.—Of the amounts ap-
10 propriated for a fiscal year under paragraph
11 (1), the Secretary may use 1 percent to carry
12 out technical assistance in such fiscal year to
13 institutions of higher education to assist such
14 institutions of higher education in carrying out
15 SMART Students Everywhere Grants.

16 “(B) APPLICATION.—This paragraph shall
17 only apply to the first 3 years after the date of
18 the enactment of this paragraph in which—

19 “(i) amounts are appropriated under
20 paragraph (1); and

21 “(ii) SMART Students Everywhere
22 Grants are awarded under this section.”.

23 “(2) EFFECTIVE DATE.—The amendments made
24 by this subsection shall take effect on the date that

1 is 1 year after the date of the enactment of this sec-
 2 tion.

3 (b) TAX CREDIT FOR FIRST-YEAR WAGES OF QUALI-
 4 FIED RECIPIENTS OF A SMART GRANT.—

5 (1) IN GENERAL.—Section 51(d)(1) of the In-
 6 ternal Revenue Code of 1986 is amended by striking
 7 “or” at the end of subparagraph (I), by striking the
 8 period at the end of subparagraph (J) and inserting
 9 a comma, and by adding at the end the following
 10 new subparagraph:

11 “(K) a qualified recipient of a SMART
 12 grant.”.

13 (2) DEFINITIONS AND SPECIAL RULES.—Sec-
 14 tion 51(d) of the Internal Revenue Code of 1986 is
 15 amended by adding at the end the following new
 16 paragraph:

17 “(16) QUALIFIED RECIPIENT OF A SMART
 18 GRANT.—

19 “(A) IN GENERAL.—The term ‘qualified
 20 recipient of a SMART grant’ means any indi-
 21 vidual who is certified by the designated local
 22 agency as a recipient of a SMART Students
 23 Everywhere Grant pursuant to Section 401A of
 24 the Higher Education Act of 1965 (20 U.S.C.

1 1070a–1) during the 1-year period ending on
2 the hiring date.

3 “(B) SPECIAL RULES FOR DETERMINING
4 AMOUNT OF CREDIT.—For purposes of applying
5 this subpart to any qualified recipient of a
6 SMART grant—

7 “(i) subsection (a) shall be applied by
8 substituting ‘5 percent (10 percent in the
9 case of any specified recipient of a SMART
10 grant)’ for ‘40 percent’, and

11 “(ii) subsection (b)(3) shall be applied
12 by substituting ‘\$50,000’ for ‘\$6,000’ and
13 all that follows in such subsection.

14 “(C) AGGREGATE CREDIT DOLLAR LIMITA-
15 TION PER EMPLOYER.—

16 “(i) LIMITATION WITH RESPECT TO
17 QUALIFIED RECIPIENTS OF A SMART
18 GRANT.—The aggregate credit determined
19 under subsection (a) with respect to quali-
20 fied recipients of a SMART grant (other
21 than specified recipients of a SMART
22 grant) shall not exceed \$10,000 for any
23 taxable year of the taxpayer.

24 “(ii) LIMITATION WITH RESPECT TO
25 SPECIFIED RECIPIENTS OF A SMART

1 GRANT.—The aggregate credit determined
2 under subsection (a) with respect to speci-
3 fied recipients of a SMART grant shall not
4 exceed \$20,000 for any taxable year of the
5 taxpayer.

6 “(D) SPECIFIED RECIPIENT OF A SMART
7 GRANT.—For purposes of this paragraph—

8 “(i) IN GENERAL.—The term ‘speci-
9 fied recipient of a SMART grant’ means
10 any qualified recipient of a SMART grant
11 who is certified by the designated local
12 agency as a veteran (as defined in para-
13 graph (3)(B)), a minority, or employed in
14 a designated county.

15 “(ii) DESIGNATED COUNTY.—In this
16 paragraph, the term ‘designated county’
17 means a county that has a college gradua-
18 tion rate that is below the national aver-
19 age.

20 “(iii) MINORITY.—In this paragraph,
21 the term ‘minority’ has the meaning given
22 the term under section 365 of the Higher
23 Education Act of 1965 (20 U.S.C.
24 1067k).”.

1 (3) EFFECTIVE DATE.—The amendments made
2 by this subsection shall apply to individuals who
3 begin work for the employer after the date of the en-
4 actment of this section.

5 **SEC. 9. DEFINITIONS.**

6 In this Act:

7 (1) ELEMENTARY AND SECONDARY EDUCATION
8 ACT TERMS.—The terms “institution of higher edu-
9 cation”, “local educational agency”, and “State edu-
10 cational agency” have the meaning given the terms
11 under section 8101 of the Elementary and Sec-
12 ondary Education Act of 1965 (20 U.S.C. 7801).

13 (2) SECONDARY AND ELEMENTARY SCHOOL.—
14 The terms “secondary school” and “elementary
15 school” have the meanings given the terms under
16 section 8101 of the Elementary and Secondary Edu-
17 cation Act of 1965 (20 U.S.C. 7801).

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