

First Regular Session
Sixty-ninth General Assembly
STATE OF COLORADO

INTRODUCED

LLS NO. 13-0740.01 Brita Darling x2241

HOUSE BILL 13-1165

HOUSE SPONSORSHIP

Wilson,

SENATE SPONSORSHIP

(None),

House Committees

Education
Appropriations

Senate Committees

A BILL FOR AN ACT

101 CONCERNING THE CREATION OF A MANUFACTURING CAREER PATHWAY
102 FOR COLORADO, AND, IN CONNECTION THEREWITH, MAKING AN
103 APPROPRIATION.

Bill Summary

(Note: This summary applies to this bill as introduced and does not reflect any amendments that may be subsequently adopted. If this bill passes third reading in the house of introduction, a bill summary that applies to the reengrossed version of this bill will be available at <http://www.leg.state.co.us/billsummaries>.)

The bill requires the state board for community colleges and occupational education (board), in conjunction with the department of labor and employment, the state work force development council, the department of higher education, and the department of education, to

Shading denotes HOUSE amendment. Double underlining denotes SENATE amendment.
Capital letters indicate new material to be added to existing statute.
Dashes through the words indicate deletions from existing statute.

design a manufacturing career pathway for the skills needed for employment in Colorado's manufacturing sector.

The manufacturing career pathway shall connect school districts, community colleges, and 4-year institutions of higher education with adult education programs and local workforce development programs and allow a student to earn income while progressing along the career pathway.

At a minimum, the manufacturing career pathway must include the following components:

- ! Alignment with the skills and requirements necessary for high-demand occupations within the manufacturing sector;
- ! A full range of education options with a nonduplicative and clearly articulated progression through the educational programs;
- ! Technical skills assessments that lead to industry certification or other hiring benefits;
- ! Academic and career counseling resources and services, particularly at transition points along the career pathway; and
- ! Curriculum and instructional strategies that integrate learning with work.

Once designed, the bill requires the department of higher education, in collaboration with the department of labor and employment, to post information concerning the manufacturing career pathway to the free, on-line resource known as College in Colorado.

For the 2013-14 fiscal year, the bill includes an appropriation of \$1,000,000 to the department of higher education, for allocation to the state board for community colleges and occupational education, for the implementation of the bill.

1 *Be it enacted by the General Assembly of the State of Colorado:*

2 **SECTION 1.** In Colorado Revised Statutes, **add** part 9 to article
3 60 of title 23 as follows:

4 **PART 9**

5 **MANUFACTURING CAREER PATHWAY**

6 **23-60-901. Legislative declaration.** (1) THE GENERAL ASSEMBLY
7 HEREBY FINDS AND DECLARES THAT:

8 (a) MANUFACTURING PLAYS A VITAL ROLE IN COLORADO'S

1 ECONOMY;

2 (b) THE MANUFACTURING SECTOR IN COLORADO IS DIVERSE, WITH
3 EMPLOYERS DISTRIBUTED ACROSS THE STATE;

4 (c) OVER FIVE THOUSAND NINE HUNDRED MANUFACTURING FIRMS
5 EMPLOY MORE THAN ONE HUNDRED TWENTY THOUSAND EMPLOYEES AND
6 CONTRIBUTE OVER SIXTEEN BILLION DOLLARS ANNUALLY TO COLORADO'S
7 ECONOMY; AND

8 (d) BOTH DURABLE AND CONSUMABLE GOODS ARE
9 MANUFACTURED IN COLORADO, INCLUDING PRODUCTS SUCH AS MEDICAL
10 INSTRUMENTS, SEMICONDUCTORS AND OTHER INFORMATION TECHNOLOGY
11 PRODUCTS, PLASTICS, AVIATION EQUIPMENT COMPONENTS, CHEMICALS,
12 AND FOOD PRODUCTS REQUIRING SPECIALIZED PROCESSES.

13 (2) THE GENERAL ASSEMBLY FURTHER FINDS THAT:

14 (a) THE PROMISE AND CHALLENGE OF SUSTAINING GROWTH IN
15 COLORADO'S MANUFACTURING SECTOR PRESENTS SPECIAL DIFFICULTIES
16 DUE TO THE SCOPE AND DIVERSITY OF THE INDUSTRY;

17 (b) MANUFACTURING SECTOR EMPLOYERS HAVE INCREASED
18 RELIANCE ON AUTOMATED AND COMPUTER-INTEGRATED CONTROL
19 PROCESSES AND "LEAN" MANUFACTURING PRINCIPLES;

20 (c) WORKERS IN THIS EMPLOYMENT ENVIRONMENT NEED
21 FOUNDATIONAL KNOWLEDGE, SPECIALIZED SKILLS, PORTABLE
22 PRODUCTION SKILLS, AS WELL AS FLEXIBILITY AND ADAPTABILITY IN WORK
23 HABITS;

24 (d) THIS HAS RESULTED IN A SHORTFALL IN THE QUANTITY AND
25 QUALITY OF THE POOL OF WORKERS WHO CAN SUCCEED IN THE
26 MANUFACTURING SECTOR; AND

27 (e) BECAUSE MANUFACTURING IN COLORADO IS A DYNAMIC AND

1 EVOLVING ECONOMIC ENGINE FOR THE STATE, THE CHALLENGES IN
2 PREPARING A PIPELINE OF SKILLED EMPLOYEES TO WORK IN THE
3 MANUFACTURING SECTOR MUST BE ADDRESSED, AND CURRENT AND
4 FUTURE COLORADO WORKERS MUST BE AWARE OF THE OPPORTUNITIES IN
5 THE INDUSTRY AND THE CAREER PATHWAY TO ACHIEVE EMPLOYMENT IN
6 THE MANUFACTURING SECTOR.

7 (3) THEREFORE, THE GENERAL ASSEMBLY FINDS AND DECLARES
8 THAT DEVELOPING A MANUFACTURING CAREER PATHWAY FOR COLORADO
9 CITIZENS WILL:

10 (a) INCREASE THE NUMBER OF COLORADO CITIZENS ACCESSING
11 POSTSECONDARY EDUCATION;

12 (b) INCREASE THE NUMBER OF COLORADO CITIZENS COMPLETING
13 DEGREES AND OTHER CREDENTIALS;

14 (c) DECREASE THE NEED FOR REMEDIATION AT THE
15 POSTSECONDARY LEVEL;

16 (d) INCREASE ENTRY INTO EMPLOYMENT AND INCREASE WAGES
17 OVER TIME; AND

18 (e) CREATE BETTER TRANSITIONS IN EDUCATIONAL PROGRAMS FOR
19 STUDENTS IN THE MANUFACTURING CAREER PATHWAY FROM HIGH SCHOOL
20 TO COLLEGE, FROM ADULT EDUCATION TO POSTSECONDARY CREDIT, AND
21 FROM COMMUNITY COLLEGES TO FOUR-YEAR INSTITUTIONS OF HIGHER
22 EDUCATION OR INTO EMPLOYMENT.

23 **23-60-902. Definitions.** AS USED IN THIS PART 9, UNLESS THE
24 CONTEXT OTHERWISE REQUIRES:

25 (1) "BOARD" MEANS THE STATE BOARD FOR COMMUNITY
26 COLLEGES AND OCCUPATIONAL EDUCATION CREATED IN SECTION
27 23-60-104.

1 (2) "CAREER PATHWAY" MEANS A SERIES OF CONNECTED
2 EDUCATION AND TRAINING STRATEGIES AND SUPPORT SERVICES THAT
3 ENABLE INDIVIDUALS TO SECURE INDUSTRY-RELEVANT SKILLS AND
4 CERTIFICATION WHERE APPLICABLE, AND TO OBTAIN EMPLOYMENT WITHIN
5 AN OCCUPATIONAL AREA AND TO ADVANCE TO HIGHER LEVELS OF FUTURE
6 EDUCATION AND EMPLOYMENT.

7 (3) "MANUFACTURING SECTOR" MEANS ESTABLISHMENTS,
8 INCLUDING EXISTING AND EMERGING MANUFACTURING SECTOR
9 PARTNERSHIPS, ENGAGED IN THE MECHANICAL, PHYSICAL, OR CHEMICAL
10 TRANSFORMATION OF MATERIALS, SUBSTANCES, OR COMPONENTS INTO
11 NEW PRODUCTS. "MANUFACTURING SECTOR" INCLUDES THE EMPLOYEES
12 WHO PLAN, MANAGE, AND PERFORM THE PROCESSING OF MATERIALS INTO
13 INTERMEDIATE OR FINAL PRODUCTS AND RELATED PROFESSIONALS AND
14 TECHNICAL SUPPORT ACTIVITIES, INCLUDING PRODUCTION PLANNING AND
15 CONTROL, MAINTENANCE, AND MANUFACTURING PROCESS ENGINEERING.

16 (4) "STACKABLE CERTIFICATES" MEANS A SEQUENCE OF
17 CREDENTIALS, EACH OF WHICH IS RECOGNIZED BY EMPLOYERS AND,
18 THROUGH PROVIDES A GATEWAY TO EMPLOYMENT AND MATRICULATION
19 INTO A TECHNICAL DEGREE OR ADVANCED STUDY IN A FIELD.

20 **23-60-903. Manufacturing career pathway - design.** (1) NO
21 LATER THAN THE 2014-15 ACADEMIC YEAR, THE BOARD, IN
22 COLLABORATION WITH THE DEPARTMENT OF LABOR AND EMPLOYMENT,
23 THE DEPARTMENT OF HIGHER EDUCATION, THE DEPARTMENT OF
24 EDUCATION, AND THE STATE WORK FORCE DEVELOPMENT COUNCIL,
25 CREATED IN SECTION 24-46.3-101, C.R.S., SHALL DESIGN A CAREER
26 PATHWAY FOR STUDENTS WITHIN THE MANUFACTURING SECTOR. THE
27 MANUFACTURING CAREER PATHWAY SHALL CONNECT SCHOOL DISTRICTS,

1 COMMUNITY COLLEGES, AND FOUR-YEAR INSTITUTIONS OF HIGHER
2 EDUCATION WITH ADULT EDUCATION PROGRAMS, LOCAL WORKFORCE
3 DEVELOPMENT PROGRAMS, AND REGIONAL MANUFACTURING SECTOR
4 PARTNERSHIPS, AND WILL ALLOW A STUDENT TO EARN INCOME WHILE
5 PROGRESSING ALONG THE CAREER PATHWAY.

6 (2) THE MANUFACTURING CAREER PATHWAY MUST INCLUDE
7 INDUSTRY-VALIDATED STACKABLE CERTIFICATIONS AND MULTIPLE ENTRY
8 AND EXIT POINTS THAT ALLOW STUDENTS OF ALL AGES TO SEEK
9 ADDITIONAL OPPORTUNITIES IN THE MANUFACTURING SECTOR. THE
10 MANUFACTURING CAREER PATHWAY DESIGNED BY THE BOARD MUST
11 INCLUDE, BUT NEED NOT BE LIMITED TO, THE FOLLOWING COMPONENTS:

12 (a) ALIGNMENT WITH THE SKILLS AND REQUIREMENTS THAT STATE
13 AND LOCAL MANUFACTURING SECTOR EMPLOYERS, THROUGH
14 MANUFACTURING SECTOR PARTNERSHIPS, DETERMINE ARE NECESSARY FOR
15 CAREER PROGRESSION IN HIGH-DEMAND OCCUPATIONS WITHIN THE
16 MANUFACTURING SECTOR;

17 (b) A FULL RANGE OF SECONDARY, ADULT EDUCATION, AND
18 POSTSECONDARY EDUCATION OPTIONS, WITH A NONDUPLICATIVE, CLEARLY
19 ARTICULATED COURSE PROGRESSION FROM ONE LEVEL OF INSTRUCTION TO
20 THE NEXT, WITH OPPORTUNITIES TO EARN POSTSECONDARY CREDITS,
21 MAXIMIZE CREDIT FOR PRIOR LEARNING, AND SECURE
22 INDUSTRY-VALIDATED CREDENTIALS;

23 (c) TECHNICAL SKILL ASSESSMENTS AT MULTIPLE POINTS IN THE
24 MANUFACTURING CAREER PATHWAY THAT LEAD TO INDUSTRY
25 CERTIFICATIONS OR OTHER VALUE IN EMPLOYMENT, INCLUDING ADVANCED
26 PLACEMENT INTO A HIGHER LEVEL OF TRAINING;

27 (d) ACADEMIC AND CAREER COUNSELING RESOURCES, BEST

1 PRACTICES IN WRAP-AROUND SUPPORT SERVICES, PARTICULARLY AT
2 TRANSITION POINTS ALONG THE MANUFACTURING CAREER PATHWAY, AND
3 SUPPORT AND DEVELOPMENT OF INDIVIDUAL CAREER AND ACADEMIC
4 PLANS; AND

5 (e) CURRICULUM AND INSTRUCTIONAL STRATEGIES THAT ARE
6 APPROPRIATE FOR ADULT STUDENTS AND THAT EMBED LEARNING AND
7 SKILL BUILDING IN A WORK-RELATED CONTEXT.

8 **23-60-904. On-line information - manufacturing career**
9 **pathway.** (1) AFTER THE DESIGN OF THE MANUFACTURING CAREER
10 PATHWAY IS COMPLETED PURSUANT TO SECTION 23-60-903, THE
11 DEPARTMENT OF HIGHER EDUCATION, IN COLLABORATION WITH THE
12 DEPARTMENT OF LABOR AND EMPLOYMENT, SHALL POST INFORMATION
13 CONCERNING THE CAREER PATHWAY ON THE STATE-PROVIDED, FREE
14 ON-LINE RESOURCE COMMONLY REFERRED TO AS
15 "COLLEGEINCOLORADO.ORG". THE INFORMATION SHALL INCLUDE:

16 (a) MANUFACTURING SECTOR CAREER AWARENESS;

17 (b) SALARY AND WAGE INFORMATION FOR MANUFACTURING
18 SECTOR CAREERS;

19 (c) THE MANUFACTURING SECTOR EMPLOYMENT FORECAST;

20 (d) INFORMATION ON PROGRAMS WITHIN THE MANUFACTURING
21 CAREER PATHWAY, SERVICES PROVIDED, AND FINANCIAL AID
22 OPPORTUNITIES FOR STUDENTS; AND

23 (e) ON-LINE STUDENT SUPPORT SERVICES.

24 **SECTION 2. Appropriation.** In addition to any other
25 appropriation, there is hereby appropriated, out of any moneys in the
26 general fund not otherwise appropriated, to the department of higher
27 education, for the fiscal year beginning July 1, 2013, the sum of

1 \$1,000,000, or so much thereof as may be necessary, for allocation to the
2 state board for community colleges and occupational education, for
3 expenses related to the implementation of this act.

4 **SECTION 3. Act subject to petition - effective date.** This act
5 takes effect at 12:01 a.m. on the day following the expiration of the
6 ninety-day period after final adjournment of the general assembly (August
7 7, 2013, if adjournment sine die is on May 8, 2013); except that, if a
8 referendum petition is filed pursuant to section 1 (3) of article V of the
9 state constitution against this act or an item, section, or part of this act
10 within such period, then the act, item, section, or part will not take effect
11 unless approved by the people at the general election to be held in
12 November 2014 and, in such case, will take effect on the date of the
13 official declaration of the vote thereon by the governor.