

Senate and House Education Committee

Career Technical Education

Blake Flanders, Ph.D. January 21, 2014



Workforce Development Initiatives

Excel in Career Technical Education

Accelerating Opportunity: Kansas

Increase higher education attainment among Kansans

Outcome Metrics

Program Alignment

Improve alignment of the state's higher education system with the needs of the economy

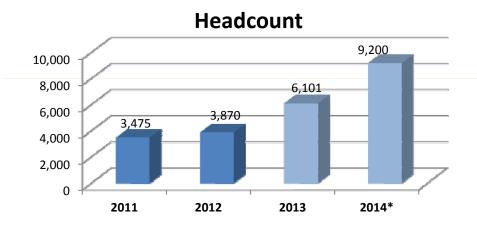


Excel in Career Technical Education

- ★ Launched by the Governor and Legislature in 2012 as plan to better prepare high school students for college and careers
- ★ Start up year 2013
- ★ Provides funding support for:
 - Tuition for postsecondary technical courses
 - Transportation to provide access
 - Marketing to increase awareness
 - Incentives for credential attainment

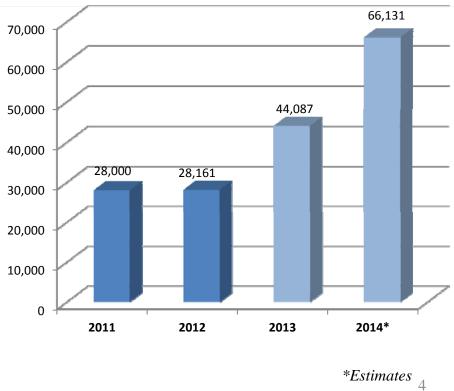


Excel in Career Technical Education

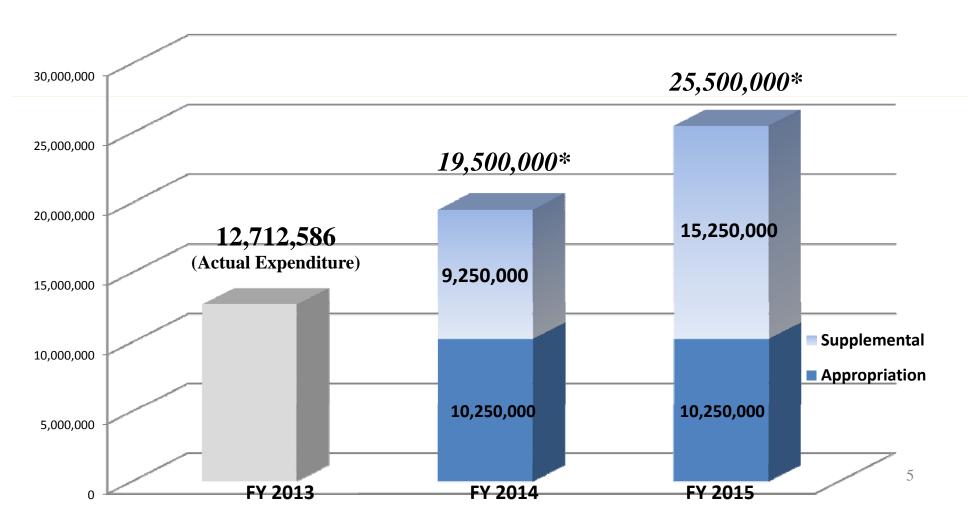




College Credit Hours



Appropriations—CTE Initiative Covernor's Revised Recommendations





Career Technical Program Alignment

- ★ Priority for Technical Education Authority
- ⋆ Business and Industry Driven
- ★ Industry Credentials
- ⋆ Value-Added Exit Points
- **★ Common Program Courses**
- ⋆ Program Length



2010

Machine Technology Level 1

- OSHA 10 or 30 card
- . Measurement, Materials, and Safety (NIMS Level I)
- · One Additional Credential from the Following Options:
 - Job Planning, Benchwork & Layout (NIMS Level I)
 - CNC Turning: Operations (NIMS Level I)
 - CNC Milling: Operations (NIMS Level I)
 - Manual Milling Skills I (NIMS Level I)
 - Manual Milling Skills II (NIMS Level II)

Machine Technology Level 2

- · Level 1 Requirements
- · One Additional Credential from NIMS Machining Level I or Level II List (see page 2)

Machine Technology Level 3

- · Level 1 Requirements
- . Two Additional Credentials from NIMS Machining Level I or Level II List (see page 2)

Machine Technology Degree

- · Level 1 Requirements plus Two Additional Credentials from NIMS Machining Level I or Level II List (see page 2)
- 15 Credit Hours of General Education (minimum)

Certificate A Maximum of 29 Credit Hours

Certificate B Maximum of 40 Credit Hours

Certificate C Maximum of 49 Credit Hours

A.A.S. Maximum of 64 Credit Hours for State Funding

Required Courses within Program

Common Courses 17-25 credits: Safety (OSHA 10 or 30) 1-3 credits Workplace Ethics 2-3 credits **Print Reading** 2-3 credits **Quality Control & Inspection** 1 credit Metallurgy 1 credit **CNC Operations** 3 credits

Additional Common Courses (Choose from Track I or II)

Truck I.	
Bench Work	1 credit
Machine Tool Processes	1 credit
Machining I	3 credits
Machining II	3 credits

Track II:

CNC Milling I 3 credits CNC Lathe 3 credits

*Math Requirement 1-3 credits

*The state faculty committee chose to leave the course name and competencies associated with the Math Requirement to the discretion of individual calleges

Course list sequence has no implication on course scheduling by colleges.

Notes

Specifics pertaining to Machine Technology programs:

- 1. Competencies identified within the common courses represent opportunities for articulation with K-12.
- 2. Colleges are encouraged to seek accreditation from the National Institute for Metalworking Skills (NIMS).
- 3. Colleges are "encouraged" to recommend other NIMS credentials to students completing the AAS to meet regional and local needs.
- 4. See page two for information regarding credential options.



Outcome Metrics

★ Incentive Initiative to recognize metrics identified by Business/Industry

Industry recognized credential attainment

Employment after exiting program

Wages of student after exiting

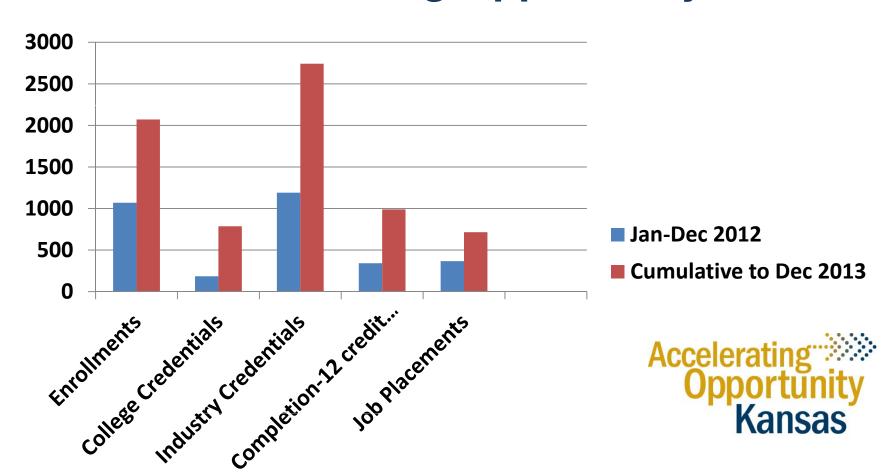


Accelerating Opportunity: Kansas

- ★ Career pathways deliver career technical skills at the same time as adult basic skills
- ★ Students obtain industry recognized credentials
- ⋆ Partnership between Regents and Commerce
- ⋆ Department for Children and Families collaboration



Accelerating Opportunity





Questions