

Maryland's Career and Technology Education (CTE)



EDUCATING TOMORROW'S WORKFORCE...TODAY

The Faces of Career and Technology Education



Maria



Adam



Jamie



Jordan



Carolyn



Max

Key Themes in CTE:

Expansion, Rigor and Access

- **Expand** CTE program offerings to ensure responsiveness to economic and workforce development needs and provide career opportunities for all Maryland students
- Ensure academic and technical **Rigor** of CTE programs that prepare Maryland high school graduates for successful transition to college and careers.
- Increase **Access** to CTE programs so that all of Maryland's students have opportunities for career preparation and are provided support for successful transition from high school to college and careers.

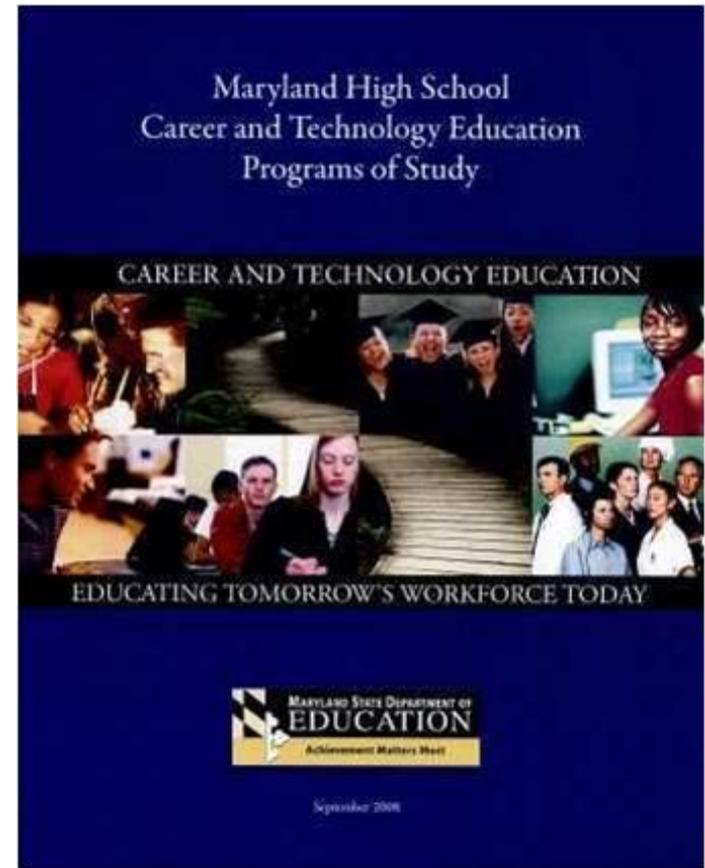
Maryland Secondary State CTE Programs of Study

10 Clusters



Programs of Study

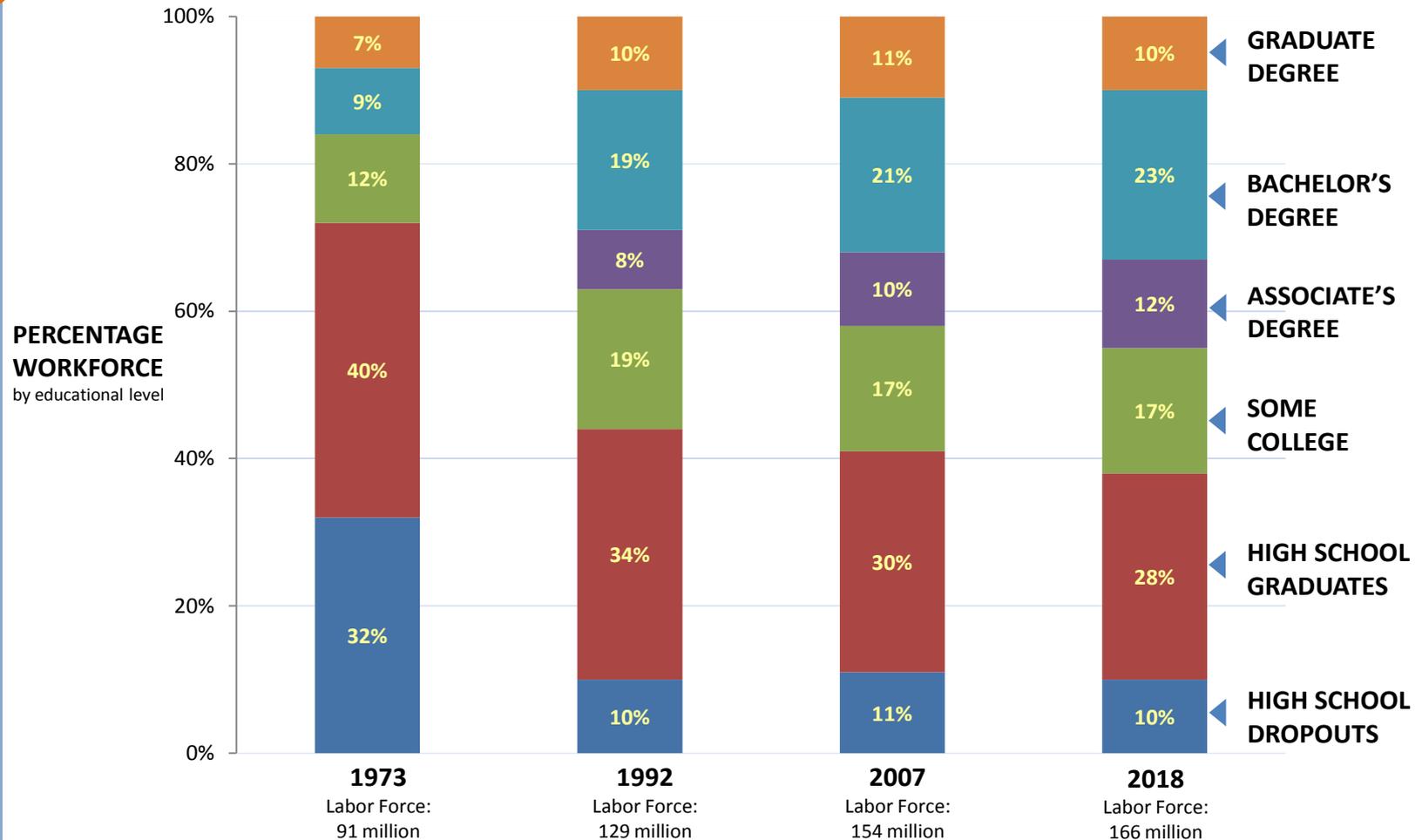
- Arts, Media, & Communication
- Business, Management & Finance
- Construction & Development
- Consumer Services, Hospitality, and Tourism
- Environmental, Agricultural, and Natural Resources Systems
- Health & Biosciences
- Human Resource Services
- Information Technology
- Manufacturing, Engineering & Technology
- Transportation Technologies



Maryland's System of Career and Technology Education

- Provides students a planned, sequential program of study including both technical and academic preparation (college and career ready)
- Is designed to support students in making decisions about their academic and career plans
- Focuses on problem solving and critical thinking – employability Skills
- Prepares high school students for the 21st Century global economy – STEM Careers

63% of all jobs will require some college or better by 2018



Apprenticeship Maryland



What is the Goal? *The goal of Apprenticeship Maryland is to create compensated, high quality youth apprenticeships that prepare students to enter employment in high-skilled, high growth sectors in manufacturing and STEM occupations, such as healthcare, biotechnology, information technology, construction and design, and banking and finance.*

- Is for students, ages 16 and up
- Designed to lead to sustainable employment and further education in STEM occupations and manufacturing

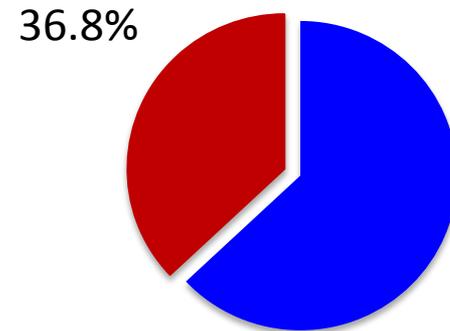
Participating Students:

- Start the program in the summer or fall of their junior or senior year in the program and
- Complete at least 450 hours of work-based training under the supervision of an eligible employer and at least one year of related instruction.

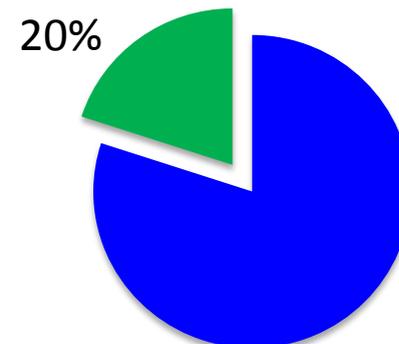
Maryland CTE Today

- One third (36.8%) of all high school students enroll in CTE courses (93,283)
- 20% of the class of **2014** completed a CTE program of study (12,038)
- 60% of the CTE graduates also completed the coursework for entrance to USM, this is a “Dual Completer” (7,225)

Percent of High School CTE Enrollment



Percent of High School CTE Graduates



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Keynote Speaker



Dr. Tonya Matthews

Chief Executive Officer and
President of the
Michigan Science Center

