

Maryland is one of the nation's leading states in the redesign of career and technology education (CTE) programs, linking CTE to a solid academic core that prepares students for both college and careers.

**Gene Bottoms, Senior Vice President  
Southern Regional Education Board**

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**Maryland's CTE Cisco Academy** was the first in the nation to offer advanced Cisco Certified Networking Professional (CCNP) courses in high school. Maryland's Cisco Academy enrollment has climbed 27% over last year, ranking the state #3 in the nation for 2006–2007 growth.

**Gene Longo, Senior Manager  
CISCO Networking Academy**

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**Fifty-one percent of Maryland's CTE students** now meet the University System of Maryland's entrance requirements, up from 14% a decade earlier. "Maryland's example shows that CTE, when at its best, can help high schools draw on the advantages of applied learning while equipping students to meet college and career expectations."

**National Governor's Association Center for Best Practices  
Issue Brief: Retooling Career Technical Education**

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**Maryland Automotive Technology students'** pass rate on the Automotive Youth Educational Systems' (AYES) end-of-program certification exam is 9 percentage points higher than the national average. AYES, a partnership between automotive manufacturers and dealers and high schools/tech prep programs, prepares students for careers or advanced studies in automotive technology.

**Ross Gordon, Education and Training Manager  
Automotive Youth Educational Systems**

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**Maryland is among the top 10 states** in the nation in the percentage of students taking the National Automotive Technicians Education Foundation's (NATEF's) end-of-program industry exam. Passing this exam earns students college credits and industry recognition.

**Don Dew, Executive Director  
NATEF**

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**Maryland is one of 11 states** working with the National Council for Agricultural Education to develop the Curriculum for Agricultural Sciences Education (CASE) project. CASE is a rigorous, relevant curriculum that allows secondary students to establish a strong technical foundation in the science of food, agriculture, and natural resources and the skills to be leaders in those fields.

**Joel Larsen, Chairman  
CASE Project Steering Committee**

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**Maryland educators and business partners** won nearly 25% of the Distinguished Service awards sponsored by the National Association of State Directors of Career Technical Education Consortium (NASDCTEC) from 2001 to 2007. That's the highest percentage of awards won by any state.

**Kim Green, Executive Director  
NASDCTEC**

**Maryland's Teacher Academy of Maryland (TAM)** was created to address critical teacher shortages. TAM is an articulated CTE program linking high school education courses to Associate of Arts in Teaching degree programs at the state's community colleges and at Towson University. More than 1,000 students across Maryland are enrolled in TAM. This program is supported in part by a grant awarded to the University System of Maryland by the U.S. Department of Education.

**Brit Kirwan, Chancellor**  
*University System of Maryland*

**Maryland's 17 CTE Graphic Arts and Printing programs** have earned or will soon earn the Graphic Arts Education and Research Foundation's industry certification, PrintED. The Printing Industries of America/Graphic Arts Technical Foundation named Paul Foster, PrintED instructor at Baltimore's Sollers Point Technical High School, the recipient of its 2006 Academic Education Award of Excellence. The award recognizes individuals who have made outstanding contributions to education and training in graphic communications.

**Randolph W. Camp, Chairman**  
*Graphic Arts Education and Research Foundation*

**MSDE and its partner UMBC** were awarded the inaugural Joseph H. Oakey Excellence in Education Leadership Award in 2007 by Project Lead The Way (PLTW). The award recognizes visionary, innovative leadership on behalf of students, teachers, and citizens. PLTW's pre-engineering and biomedical sciences programs are offered in 19 of Maryland's 24 school systems.

**Richard Liebich, Chief Executive Officer**  
*Project Lead The Way*

**Maryland led the creation of a CTE program in Homeland Security and Emergency Preparedness** to address the state's economic and workforce development needs in light of the U.S. military's Base Realignment and Closure plan. Students enrolled in the program can earn industry certification and college credit.

**Russ Strickland, Deputy Director**  
*Maryland Emergency Management Agency*

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