

Board of Education Agenda Item

Item: _____ N. _____

Date: January 10, 2008

Topic: First Review of Revisions of Industry, Professional, or Trade Association Certification Examinations and Occupational Competency Assessments to Meet the Requirements for the Board of Education's Career and Technical Education and Advanced Mathematics and Technology Seals and the Student-Selected Verified Credit.

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Origin:

Topic presented for information only (no board action required)

Board review required by

State or federal law or regulation

Board of Education regulation

Other:

Action requested at this meeting Action requested at future meeting: _____

Previous Review/Action:

No previous board review/action

Previous review/action

date September 28, 2000; April 26, 2001; April 24 & 25, 2002; May 28, 2003; June 25, 2003; February 25, 2004; February 23, 2005; November 30, 2005, and November 29, 2006

action Additions and/or deletions were made to the list of board-approved examinations, assessments, and licensures.

Background Information:

The *Regulations Establishing Standards for Accrediting Public Schools in Virginia*, requirements for graduation 8 VAC 20-131-50.I.3, provide students who demonstrate academic excellence and/or outstanding achievement the opportunity to earn the Board of Education's Career and Technical Education Seal.

8 VAC 20-131-50.I.3 - "The Board of Education's Career and Technical Education Seal will be awarded to students who earn a Standard or Advanced Studies Diploma and complete a prescribed sequence of courses in a career and technical education concentration or specialization that they choose and maintain a "B" or better average in those courses; or (i) pass an examination or occupational competency assessment in a career and technical education concentration or specialization that confers certification or an occupational competency credential from a recognized industry, trade or professional association or (ii) acquire a professional license in that career and technical education field from the Commonwealth of Virginia. The Board shall approve all professional licenses and examinations used to satisfy these requirements."

The *Regulations Establishing Standards for Accrediting Public Schools in Virginia*, requirements for graduation 8 VAC 20-131-50.I.4, provide students who demonstrate academic excellence and/or outstanding achievement the opportunity to earn the Board of Education’s Seal of Advanced Mathematics and Technology.

8 VAC 20-131-50.I.4 – “The Board of Education’s Seal of Advanced Mathematics and Technology will be awarded to students who earn either a Standard or Advanced Studies Diploma and (i) satisfy all of the mathematics requirements for the Advanced Studies Diploma (four units of credit including Algebra II; two verified units of credit) with a “B” average or better, and (ii) either (a) pass an examination in a career and technical education field that confers certification from a recognized industry, or trade or professional association, (b) acquire a professional license in a career and technical education field from the Commonwealth of Virginia, or (c) pass an examination approved by the Board that confers college-level credit in a technology or computer science area. The Board of Education shall approve all professional licenses and examinations used to satisfy these requirements.”

The *Regulations Establishing Standards for Accrediting Public Schools in Virginia* make the following provisions relative to students earning verified units of credit:

8 VAC 20-131-110.C Standard and verified units of credit

...The Board may from time to time approve additional tests for the purpose of awarding verified credit. Such additional tests, which enable students to earn verified units of credit, must, at a minimum, meet the following criteria:

1. The test must be standardized and graded independently of the school or school division in which the test is given;
2. The test must be knowledge-based;
3. The test must be administered on a multi-state or international basis, or administered as part of another state’s accountability assessment program; and
4. To be counted in a specific academic area, the test must measure content that incorporates or exceeds the SOL content in the course for which verified credit is given.

8 VAC 20-131-50.B.2 (Footnotes 5 and 6 and C., Footnote 5) Requirements for graduation

Verified Credits Required

Student Selected Test ⁵

⁵ A student may utilize additional assessments for earning verified credit in computer science, technology, career and technical education, or other areas as prescribed by the Board in 8VAC 20-131-110.

⁶Students who complete a career and technical education program sequence and pass an examination or occupational competency assessment in a career and technical education field that confers certification or an occupational competency credential from a recognized industry, or trade or professional association or acquires a professional license in a career and technical education field from the Commonwealth of Virginia may substitute the certification, competency credential, or license for (i) the student selected verified credit and (ii) either a science or history and social science verified credit when the certification, license, or credential confers more than one verified credit. The examination or occupational competency assessment must be approved by the Board of Education as an additional test to verify student achievement.

Summary of Major Elements

The attached list of industry, professional, trade association certifications, or occupational competency assessments meets the Board's requirements as noted in 8 VAC 20-131-50.I.3, 8 VAC 20-131-50.I.4, 8 VAC 20-131-110, and 8 VAC 20-131-50.B.4 (Footnotes 5 and 6 and C., Footnote 5) for the Career and Technical Education Seal, the Seal of Advanced Mathematics and Technology, and student-selected verified credit.

The 13 additional industry certification examinations and occupational competency assessments in bold print have been identified as meeting criteria to satisfy requirements for the Career and Technical Education Seal and student-selected verified credit. Three of these examinations have been identified as meeting criteria to satisfy requirements for the Advanced Mathematics and Technology Seal. A list of previously approved examinations and recommended additional examinations is attached.

Industry, professional, and trade association certifications are continually being revised or discontinued to stay current with technology and new techniques. These changes may be such that individual certifications are no longer available, no longer meet the Board of Education's criteria for diploma seals or student-selected verified credit, or require additional criteria such as work experience beyond high school. Changes have been made in 48 of the certifications that were previously approved by the board. A list of certification examinations that are recommended for deletion from the board-approved list is attached.

As a result of the proposed additions and deletions to this list there are:

- 157 credentials eligible for student-selected verified credit;
- 151 credentials eligible for the Career and Technical Education Seal; and
- 34 credentials eligible for the Advanced Mathematics and Technology Seal.

Superintendent's Recommendation:

The Superintendent of Public Instruction recommends that the Board of Education waive first review and approve the revised list of industry certification examinations, occupational competency assessments, and licenses to meet the requirements for the Board of Education's Career and Technical Education and Advanced Mathematics and Technology Seals and the student-selected verified credit.

Impact on Resources:

Federal Carl Perkins funds may be used to help teachers and programs become certified. State funds will be used to assist students to become certified or pass an occupational competency assessment.

Timetable for Further Review/Action:

After final approval, a Superintendent's Memorandum will notify school divisions of these additions to and deletions from the approved list of industry certifications, occupational competency assessments, and licenses.

Board of Education Approved Industry Certifications, Occupational Competency Assessments, and Licensures

January 10, 2008 (proposed)

Name of Credential	Issuing Organization	Meets Board of Education Criteria		
		Student Selected Verified Credit	Career and Technical Education Seal	Advanced Mathematics and Technology Seal
Agricultural Education				
Agriculture Mechanics Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Commercial Pesticide Applicator Certification	Virginia Department of Agriculture and Consumer Services	X	X	
Floriculture-Greenhouse Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Floriculture Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Forestry Products & Processing Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Greenhouse Operators Certification Program	Southeast Greenhouse Growers Association	X	X	
Horticulture-Landscaping Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Horticulture-Olericulture and Pomology Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Outdoor Power Equipment Certifications (Pass any one Outdoor Power Equipment exam)	Equipment and Engine Training Council	X	X	
Production Agriculture Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Small Engine Technology Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Small Animal Science	National Occupational Competency Testing Institute (NOCTI)	X	X	
Business and Information Technology				
Accounting-Basic Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Accounting - Complete Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Administrative Assisting Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Adobe Certified Associate (Pass any one test in this program)	Adobe Systems Incorporated	X	X	X
Apple Pro Certification Program (Pass any one exam in this program)	Apple, Inc.	X	X	X
Business and Information Technology Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	X
Brainbench Network Administration Certifications (Pass any one test in this category)	Brainbench	X	X	X

Board of Education Approved Industry Certifications, Occupational Competency Assessments, and Licensures

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Name of Credential	Issuing Organization	Meets Board of Education Criteria		
		Student Selected Verified Credit	Career and Technical Education Seal	Advanced Mathematics and Technology Seal
Business and Information Technology				
Brainbench Systems Administration Certifications (Pass any one test in this category)	Brainbench	X	X	X
Brainbench Software Development Certifications (Pass any one test in this category)	Brainbench	X	X	X
Brainbench Web Design and Development Certifications (Pass any one test in this category)	Brainbench	X	X	X
Brainbench Web Administration Certifications (Pass any one test in this category)	Brainbench	X	X	X
Brainbench Desktop Publishing Certifications (Pass any one test in this category)	Brainbench	X	X	X
Certified Internet Web Professional (CIW) Program (Pass any one exam in this program)	ProsoftTraining	X	X	X
Certified Novell Administrator (CNA)	Novell	X	X	X
Fundamentals of Wireless LANs Examination	Cisco Systems	X	X	X
Fundamental Business Concepts	ASK Institute (DECA/MarkED)	X	X	
IC3 Certification	Certiport	X	X	X
Java Programming Examination	Cisco Systems	X	X	X
Linux+ Certification	CompTIA	X	X	X
Microsoft Certified Professional (Pass any one Microsoft Professional exam)	Microsoft	X	X	X
Microsoft Office Specialist (MOS)–(Pass any one MOS exam)	Microsoft	X	X	
Network+ Certification	CompTIA	X	X	X
Oracle Certification Program Examinations (Pass any one Oracle certification exam)	Oracle Corporation	X	X	X
Fundamentals of Unix Examination	Cisco Systems	X	X	X
Virginia Workplace Readiness Assessment/IC3 Certification Exams (pass Virginia Workplace Readiness Assessment and any one of three IC3 exams)	National Occupational Competency Testing Institute (NOCTI) and Certiport	X	X	
Family and Consumer Sciences				
Commercial Foods Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Culinary Arts Prep Cook-Level 1 Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Culinary Arts Cook-Level 2 Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Early Childhood Care and Education Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	

Board of Education Approved Industry Certifications, Occupational Competency Assessments, and Licensures

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Name of Credential	Issuing Organization	Meets Board of Education Criteria		
		Student Selected Verified Credit	Career and Technical Education Seal	Advanced Mathematics and Technology Seal
Family and Consumer Sciences				
Hospitality Management--Food and Beverage Option Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Hospitality Management--Lodging Option Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
ProStart Program Certification (Levels I and/or 2)	Education Foundation of the National Restaurant Association	X	X	
Retail Commercial Baking Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
START Certification (Hospitality Skills)	American Hotel and Lodging Association (AH&LA)	X	X	
Health and Medical Sciences				
Certified Dental Assistant: Infection Control Examination (ICE)	Dental Assisting National Board, Inc.	X	X	
Certified Dental Assistant: Radiation Health & Safety Examination (RHS)	Dental Assisting National Board, Inc.	X	X	
Dental Assisting Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
EMS First Responder Certification	Department of Health, Office of Emergency Medical Services	X	X	
Emergency Medical Technician	Department of Health, Office of Emergency Medical Services	X	X	
Health Assisting Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Home Health Aide Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Medical Assisting Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
National Health Care Foundation Skills Standards Assessment	National Consortium on Health Science & Technical Education	X	X	
NRDA Certification (Dental Assisting)	National Allied Health Registry/National Association for Health Professionals	X	X	
NRDA Certification (Medical Assisting)	National Allied Health Registry/National Association for Health Professionals	X	X	
Nurse Aide	Virginia Board of Nursing	X	X	
Nursing Assisting Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	

Board of Education Approved Industry Certifications, Occupational Competency Assessments, and Licensures

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Name of Credential	Issuing Organization	Meets Board of Education Criteria		
		Student Selected Verified Credit	Career and Technical Education Seal	Advanced Mathematics and Technology Seal
Health and Medical Sciences				
Virginia Pharmacy Technician Examination	Virginia Board of Pharmacy	X	X	
Marketing Education				
Fundamental Marketing Concepts	ASK Institute (DECA/MarkED)	X	X	
Lodging Management Program Certification (Levels 1 and/or 2)	American Hotel and Lodging Association (AH&LA)	X	X	
National Professional Certification in Customer Service	National Retail Federation Foundation	X	X	
Retail Trades Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Sales Certification	National Retail Federation Foundation	X	X	
Technology Education				
AutoCAD Certifications (Pass any one exam)	Brainbench	X	X	
Autodesk Application Certification Program (Pass any one exam)	Autodesk	X	X	
Certified SolidWorks Professional	SolidWorks Corporation	X	X	
Electronic Technology Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Manufacturing Technology Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Pre-Engineering Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Pre-Skills Assessment for Mastercam Assessment	Mastercam--Administered by National Occupational Competency Testing Institute (NOCTI)	X	X	
Trade and Industrial Education				
A+ Certification (Pass any one exam from 2006 certification program)	CompTIA	X	X	X
Access Certification	American Culinary Federation, Inc. (ACF)	X	X	
Advertising and Design Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	

Board of Education Approved Industry Certifications, Occupational Competency Assessments, and Licensures

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Name of Credential	Issuing Organization	Meets Board of Education Criteria		
		Student Selected Verified Credit	Career and Technical Education Seal	Advanced Mathematics and Technology Seal
Trade and Industrial Education				
Audio-Visual Communications Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Automotive Technician Examination (ASE)-(Pass any one exam from Automobile Technician Test Series)	National Institute for Automotive Service Excellence	X	X	
Architectural Drafting Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Automotive Youth Educational Systems (AYES) Exit Examinations (Pass any two AYES exit exams)	Automotive Youth Educational Systems	X	X	
Basic Principles of Construction: Residential Construction Academy Examination	Delmar Thomson Learning/Home Builders Institute	X	X	
Basic Installer Exam, Mobile Electronics Certified Professional	Consumer Electronics Association	X	X	
CAD Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Cabinetmaking Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Carpentry Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Carpentry: Residential Construction Academy Examination	Delmar Thomson Learning/Home Builders Institute	X	X	
Carpentry Level One, National Construction Career Test	National Center for Construction Education & Research (NCCER)	X	X	
Certified Computer Service Technician	Electronics Technicians Association, International (ETA)	X	X	X
Certified Electronics Technician Associate (CET)	Electronics Technicians Association, International (ETA)	X	X	
Certified Satellite Dish Installer	Electronics Technicians Association, International (ETA)	X	X	
CISCO CCNA Academy End-of-Course Examinations (Pass any two end-of-course exams, Levels 1-4)	CISCO Systems	X	X	X
CISCO Certified Networking Associate (Pass any one exam in CCNA certification program)	CISCO Systems	X	X	X
Collision Repair Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Collision Repair and Refinishing Technician (ASE)-(Pass any one exam from Collision Repair & Refinish Test Series)	National Institute for Automotive Service Excellence	X	X	
Collision Repair/Refinishing Technology Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	

-Board of Education Approved Industry Certifications, Occupational Competency Assessments, and Licensures

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Name of Credential	Issuing Organization	Meets Board of Education Criteria		
		Student Selected Verified Credit	Career and Technical Education Seal	Advanced Mathematics and Technology Seal
Trade and Industrial Education				
Computer Networking Fundamentals Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	X
Computer Repair Technology Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	X
Construction Masonry-Blocklaying Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Construction Masonry-Bricklaying Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Construction Technology Test	National Center For Construction Education & Research (NCCER)	X	X	
Computer Technology Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	X
Copper Based Cabling Certification	RBT Systems, Inc.	X	X	
Core: Introductory Craft Skills, National Construction Career Test	National Center For Construction Education & Research (NCCER)	X	X	
Cosmetology Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Criminal Justice Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Data Cabling Installer Certification (DCIC)	Electronics Technicians Association, International (ETA)	X	X	
Diesel Engine Mechanics Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Drafter Certification	American Design Drafting Association	X	X	
Electrical Construction Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Electrical Occupations Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Electrical Principles: Residential Construction Academy Examination	Delmar Thomson Learning/Home Builders Institute	X	X	
Electrical, National Construction Career Test	National Center For Construction Education & Research (NCCER)	X	X	
Electronics Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
EPA Technician Certification (Levels I, II, or III)	Environmental Protection Agency (Authorized Entity)	X	X	

**Board of Education Approved Industry Certifications, Occupational Competency Assessments, and Licensures
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Name of Credential	Issuing Organization	Meets Board of Education Criteria		
		Student Selected Verified Credit	Career and Technical Education Seal	Advanced Mathematics and Technology Seal
Trade and Industrial Education				
Fiber Optic Network Cabling Certification	RBT Systems, Inc.	X	X	
Fiber Optics Installer Certification	Electronics Technicians Association, International (ETA)	X	X	
Firefighter I Certification	Virginia Department of Fire Programs	X	X	
General Drafting and Design Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Graphic Communication Technology Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Graymark Cabling Installation Certification	Graymark International	X	X	
Heating, Electrical, Air Conditioning Technology (HEAT) Examination (Pass any one exam)	HVAC Excellence	X	X	
Heating, Ventilation, Air Conditioning (HVAC) Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Heating, Ventilation, Air Conditioning & Refrigeration (HVAC/R) Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Heavy Equipment Operations Level One	National Center For Construction Education & Research (NCCER)	X	X	
House Wiring: Residential Construction Academy Examination	Delmar Thomson Learning/Home Builders Institute	X	X	
HVAC: Residential Construction Academy Examination	Delmar Thomson Learning/Home Builders Institute	X	X	
HVAC, National Construction Career Test	National Center For Construction Education & Research (NCCER)	X	X	
HVAC Excellence Certification Program (Pass any one exam in this program)	HVAC Excellence	X	X	
Industrial Maintenance Mechanic Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Installer (or Service) Core Certification (HVAC)	North American Technician Excellence, Inc. (NATE)	X	X	
IT Essentials 1 Examination (PC Hardware and Software)	Cisco Systems	X	X	X
IT Essentials 2 Examination (Network Operating Systems)	Cisco Systems	X	X	X
Machining Skills--Level I (Pass any one Machining (Level 1) examination with performance component)	National Institute for Metalworking Skills (NIMS)	X	X	
Masonry Level One, National Construction Career Test	National Center For Construction Education & Research (NCCER)	X	X	
National Automotive Technicians Education Foundation (NATEF) End of Program Test Series Examinations (Pass any two NATEF, End of Program Test Series, exams)	National Automotive Technicians Education Foundation	X	X	

Board of Education Approved Industry Certifications, Occupational Competency Assessments, and Licensures

January 10, 2008 (proposed)

Name of Credential	Issuing Organization	Meets Board of Education Criteria		
		Student Selected Verified Credit	Career and Technical Education Seal	Advanced Mathematics and Technology Seal
Trade and Industrial Education				
Plumbing Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Plumbing: Residential Construction Academy Examination	Delmar Thomson Learning/Home Builders Institute	X	X	
Precision Machining Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Protective Services Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
PrintED Certification Program (Pass any one exam)	Graphic Arts Education and Research Foundation	X	X	
Residential Air-Conditioning and Heating Certification	Air Conditioning and Refrigeration Institute	X	X	
SENSE Training Program Certification (Level 1, Entry-level Welder)	American Welding Society (AWS)	X	X	
Student Electronics Technician Certification (SET)	Electronics Technicians Association, International (ETA)	X	X	
Telecommunications Electronics Technician Certification	Electronics Technicians Association, International (OETA)	X	X	
Television Broadcasting Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Visual Communications Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Welding Assessment	National Occupational Competency Testing Institute (NOCTI)	X	X	
Welding, National Construction Career Test	National Center for Construction Education & Research (NCCER)	X	X	
License				
Barbers	Board of Barbers and Cosmetology (Virginia Department of Professional and Occupational Regulation)	X	X	
Cosmetology	Board of Barbers and Cosmetology (Virginia Department of Professional and Occupational Regulation)	X	X	

Board of Education Approved Industry Certifications, Occupational Competency Assessments, and Licensures

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Name of Credential	Issuing Organization	Meets Board of Education Criteria		
		Student Selected Verified Credit	Career and Technical Education Seal	Advanced Mathematics and Technology Seal
License				
Nail Technician	Board of Barbers and Cosmetology (Virginia Department of Professional and Occupational Regulation)	X	X	
Real Estate Salesperson	Virginia Real Estate Board (Dept. of Professional & Occupational Regulation)	X	X	
Examination				
Advanced Placement Computer Science A	The College Board	Passing Score = 3		Passing Score = 3
Advanced Placement Computer Science AB	The College Board	Passing Score = 3		Passing Score = 3
College Level Examination Program (CLEP): Information Systems and Computer Applications	The College Board	Passing Score = 52		Passing Score = 52
International Baccalaureate Computer Science (Standard Level)	The International Baccalaureate Organization	Passing Score = 3		Passing Score = 3
International Baccalaureate Computer Science (Higher Level)	The International Baccalaureate Organization	Passing Score = 3		Passing Score = 3
International Baccalaureate Information Technology in a Global Society (IB6613) (Standard Level)	The International Baccalaureate Organization	Passing Score = 3		Passing Score = 3
Note: New industry certification credentials and occupational competency assessments are printed in bold.				

Deletions to Board of Education's Approved Industry Certifications and Licenses

January 10, 2008 (proposed)

Certifications	Issuing Organization	Deletions
A+ Certification (2003 objectives)	CompTIA	Credential has been discontinued.
A+ Certification: Core Hardware Examination	CompTIA	Credential has been discontinued.
A+ Certification: Operating Systems Technologies Examination	CompTIA	Credential has been discontinued.
Adobe Certified Expert (ACE)	Adobe Systems Incorporated	Has proven too robust for secondary level.
Air Conditioning Certification	HVAC Excellence	Student can become credentialed at a lower level in certification program.
BICSI Registered Installer Certification, Level 1	BICSI (International Telecommunications Association)	Has proven too robust for secondary level.
Carpentry, National Construction Career Test	National Center For Construction Education & Research (NCCER)	Credential has been discontinued.
Certification for Legal Professionals (ALS)	Associate for Legal Professional (NALS)	Is not being used at secondary level.
Certified Fiber Optics Installer (CFOI)	The Association of Communications & Electronics Schools, International	Is not being used at secondary level.
Certified Internet Webmaster Associate: Internet Business Foundations Examination	ProsoftTraining	Covered by an existing credential.
Certified Internet Webmaster Associate: Network Technology Foundations Examination	ProsoftTraining	Covered by an existing credential.
Certified Internet Webmaster Associate: Site Development Foundations Examination	ProsoftTraining	Covered by an existing credential.
Certified Internet Webmaster Professional	ProsoftTraining	Student can become credentialed at a lower level in certification program.
CISCO CCNA Examination: Interconnecting CISCO Networking Devices Examination	CISCO Systems	Credential has been discontinued.
CISCO CCNA Examination: Introduction to CISCO Networking Technologies Examination	CISCO Systems	Credential has been discontinued.
Commercial Air Conditioning Certification	HVAC Excellence	Student can become credentialed at a lower level in certification program.
Commercial Refrigeration Certification	HVAC Excellence	Student can become credentialed at a lower level in certification program.
Construction Electricity Assessment	National Occupational Competency Testing Institute (NOCTI)	Credential has been discontinued.
Customer Support Specialist Certification	Help Desk Institute	Is not being used at secondary level.
Electric Heat Certification	HVAC Excellence	Student can become credentialed at a lower level in certification program.
Food Production Management and Services Assessment	National Occupational Competency Testing Institute (NOCTI)	Credential has been discontinued.

Deletions to Board of Education's Approved Industry Certifications and Licenses

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Certifications	Issuing Organization	Deletions
Gas Heat Certification	HVAC Excellence	Student can become credentialed at a lower level in certification program.
Heat Pump Certification	HVAC Excellence	Student can become credentialed at a lower level in certification program.
HTI+ Residential Systems Examination	CompTIA	Credential has been discontinued.
HTI+ Systems Infrastructure and Integration Examination	CompTIA	Credential has been discontinued.
iNet+ Certification	CompTIA	Credential has been discontinued.
International Computer Driving License	ICDL US	Is not being used at secondary level.
Light Commercial Heating & Air Conditioning Certification	Air Conditioning and Refrigeration Institute	Has proven too robust for secondary level.
Macromedia Certified Professional	Macromedia	Is not being used at secondary level.
Masonry, National Construction Career Test	National Center For Construction Education & Research (NCCER)	Credential has been discontinued.
Master CIW Administrator Certification	ProsoftTraining	Student can become credentialed at a lower level in certification program.
Master CIW Designer Certification	ProsoftTraining	Student can become credentialed at a lower level in certification program.
Master CIW Enterprise Developer Certification	ProsoftTraining	Student can become credentialed at a lower level in certification program.
Master CIW Web Site Manager Certification	ProsoftTraining	Student can become credentialed at a lower level in certification program.
Metalworking and Fabrication Assessment	National Occupational Competency Testing Institute (NOCTI)	Credential has been discontinued.
Microsoft Certified Applications Developer (MCAD)	Microsoft	Student can become credentialed at a lower level in certification program.
Microsoft Certified Systems Administrator (MCSA)	Microsoft	Student can become credentialed at a lower level in certification program.
Microsoft Certified Systems Engineer (MCSE)	Microsoft	Student can become credentialed at a lower level in certification program.

Deletions to Board of Education's Approved Industry Certifications and Licenses

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Certifications	Issuing Organization	Deletions
Refinishing Technology Assessment	National Occupational Competency Testing Institute (NOCTI)	Credential has been discontinued.
Sun Certified Associate for Java 2 Platform	Sun Microsystems	Has proven too robust for secondary level.
Supporting Users and Troubleshooting a Microsoft Windows XP Operating System (Microsoft Exam: 70-271)	Microsoft	Covered by an existing credential.
Supporting Users and Troubleshooting Desktop Applications on a Microsoft Windows XP Operating System (Microsoft Exam: 70-272)	Microsoft	Covered by an existing credential.
Voice and Data Cabling Examination	Cisco Systems	Credential has been discontinued.
Web Design Examination	Cisco Systems	Credential has been discontinued.
WOW Certified Apprentice Webmaster (CAW)	World Organization of Webmasters	Is not being used at secondary level.
WOW Certified Web Administrator Apprentice (CWAA)	World Organization of Webmasters	Is not being used at secondary level.
WOW Certified Web Designer Apprentice (CWDSA)	World Organization of Webmasters	Is not being used at secondary level.
WOW Certified Web Developer Apprentice (CWDVA)	World Organization of Webmasters	Is not being used at secondary level.