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Career Cluster	Maryland CTE Programs of Study	Industry Certifications			Websites for Program Information	Testing Locations	Testing Procedures	Maryland Certification Costs*	
		Program	Teacher	Student				Program	Student
Arts, Media & Communication	Printing Technologies (PrintED) 48.0250	Graphic Arts Education Research Foundation (GAERF) grants PrintED accreditation	Teacher is certified through the program.	Student is certified through the program if exam score is 80% - 90%. Score of 91% and above merits "certification with distinction."	www.gaerf.org	Schools can register to become on-line test sites.	On-line exam given at the end of course.	\$ 1,800.00 accreditation fee covers accreditation process and first-five years. Recertification fee is \$1,000 for five years.	\$30 per exam. Students take a minimum of two. Three end-of-course online exams are available.
	Interactive Media Production (IMP) 10.0150	N/A	N/A	Adobe Creative Suite Including: Adobe Certified Associate (ACA) and Adobe Certified Expert (ACE) World Organization of Webmasters (WOW) Web Designer, Webmaster & Web Developer (Apprentice and Associate Levels)	http://www.adobe.com/education/instruction/ace/ http://joinwow.org/certification/index.html#r	ACA - Certiport ACE - Prometric and Pearson VUE Once registered, WOW will contact the student and direct him/her to the nearest testing location.	On-line exam given at the end of third or fourth course, depending on student preparation /readiness.	\$75-\$150/exam Price Determined By Type Of Exam \$95-\$125/exam Price Determined By Type Of Exam	
Business Management & Finance	Business Management 52.0251	N/A	N/A	Microsoft Offices Suite (MOS) basic level	http://www.microsoft.com/learning/mcp/officespecialist/default.aspx	Various Locations (Supplied by instructor)	At end of course	N/A	Student cost determined by type of exam and local school system sponsorship
	Finance and Accounting 52.0354	N/A	N/A	Microsoft Offices Suite (MOS) basic level	http://www.microsoft.com/learning/mcp/officespecialist/default.aspx	Various Locations (Supplied by instructor)	At end of course	N/A	Student cost determined by type of exam and local school system sponsorship
	Marketing	N/A	N/A	Microsoft Offices Suite (MOS) basic level	http://www.microsoft.com/learning/mcp/officespecialist/default.aspx	Various Locations (Supplied by instructor)	At end of course	N/A	Student cost determined by type of exam and local school system sponsorship
Business Management & Finance	Administrative Services 52.0850	N/A	Teacher should obtain certification	Microsoft Office Suite/Excel (X-MOS)	http://www.microsoft.com/learning/mcp/officespecialist/default.aspx	Various Locations (Supplied by instructor)	At end of course	N/A	Student cost determined by type of exam and local school system sponsorship
	NAF Finance Academy								
Construction & Development	Construction Trades	National Center for Construction Education and Research (NCCER)	Instructor Certification Training Program (ICTP)	National Center for Construction Education and Research (NCCER) - Core: Intro Craft Skills Plus Level I of trade area	http://new.nccer.org www.aws.org Note: incorporated into the NCCER program are the standards for American Welding Society (AWS) Entry Level certification.	In-school testing through certified teacher may be paper or on-line.	In school testing by teacher -paper or on-line	Must register through an NCCER Sponsor. Teacher certification (ICTP) may cost up to \$400 per instructor.	\$25 per NCCT - Core and Level 1
	Construction Trades Building Maintenance	National Center for Construction Education and Research (NCCER)	Instructor Certification Training Program (ICTP)	National Center for Construction Education and Research(NCCER) - Core: Intro Craft Skills Plus Level I of trade area		In-school testing through certified teacher may be paper or on-line.	In school testing by teacher -paper or on-line	Must register through an NCCER Sponsor. Teacher certification (ICTP) may cost up to \$400 per instructor.	\$25 per NCCT - Core and Level 1
Consumer Services, Hospitality & Tourism	Food & Beverage Management (ProStart) 52.0955	N/A	Serv Safe Trainer Certified	ServSafe and NRAEF Certificate of Completion	www.nraef.org/prostart www.mhcf.org	In-school testing for ProStart	End of course assessments	N/A	ProStart \$34/ for each exam (2 exams) and Serv Safe Cert \$10
Consumer Services, Hospitality & Tourism	Culinary Arts 12.0550	Program must be accredited by the American Culinary Federation (ACF)	N/A	American Culinary Federation NOCTI 15 of 30 points towards a Certified I Culinarian	www.acfchefs.org/Content/Education/Certification/default.htm	In school testing for ACF	End of program assessment	\$1000 (initial certification fee) \$100 annual fee to be submitted with annual report \$750 renewal fee (every year) First renewal after 3 years then every 5 years @ \$750)	ACF NOCTI Online Multiple Choice \$18.50 Performance & Multiple Choice \$21.00 Paper Multiple Choice \$ 24.00 Performance & Multiple Choice \$26.00
	Lodging Management Program 50.0954	N/A	N/A	Certified Rooms Division Specialist (CRDS)	www.lodgingmanagement.org	In school testing for LMP	End of course assessments	N/A	LMP end-of-course exams are \$25/each (two exams) CRDS - \$25
	Careers in Cosmetology 12.0450	N/A	Senior Cosmetology License	MD State Board of Cosmetologist License	www.dlir.state.md.us/license/cosmet/cosfees.htm	COS: School-based or testing site (2 locations in MD/DC area)	Teacher scheduled	N/A	Practical & Theory = \$75 Practical = \$45 Theory = \$45
Environmental, Agricultural & Natural Resources	Horticulture Services 01.0650	N/A	Certified Professional Horticulturalist Pesticide Applicator	Certified Professional Horticulturalist (CPH)	http://mnaonline.org	TBD Administered on-site	TBD	Teacher certification \$135.00 covers the (CPH manual and exam)	\$35.00
Health & Biosciences	Health Occupations	Certified Nursing Assistant (CNA) portion must be approved by the MD Board of Nursing	Must be a Registered Nurse (RN)	Certified Nursing Assistant	http://www.mbon.org/main	In school testing for CNA	Teacher Developed and administered	N/A	CNA Background Checks: State Level: \$18 Federal Level: \$24 Fingerprinting: \$20 Certification: Initial: \$20 Renewal (every 2 years): \$40
	Geriatric Nursing Assistant (GNA)		Must be an RN	Geriatric Nursing Assistant (GNA) - CNA is a pre-requisite to GNA	http://www.mbon.org/main , http://www.promissor.com	American Red Cross (ARC)administers GNA	Schedule test date through ARC	N/A	CNA Test: \$95
Human Resource Services	Fire Science (Maryland Fire and Rescue Institute - MFRI) 43.0250	All programs should be affiliated with the Maryland Fire and Rescue Institute (MFRI)	MFRI instructors	EMT-B, Fire Fighter I/II, Rescue Tech, Confined Space, Haz-Mat Operations CPR	www.mfri.org www.ets.org/portal/site/ets/menuitem www.americanheart.org www.redcross.org	In school testing or site near school determined by MFRI instructor	Paper and pencil and practical experience Practical test and paper and pencil test	N/A	If program is affiliated with MFRI there is no cost to the student If administered separate from program \$30.00
	Teacher Academy of Maryland (TAM)	N/A	- Must hold a MD Professional Certificate - Hold a Masters degree, masters equivalent or have 18 hours toward a masters degree - Three successful years of teaching - Recommendation from principal and/or supervisor	ParaPro	www.ed.gov	Various locations	Paper and pencil national test	N/A	\$45.00
Human Resource Services	Homeland Security & Emergency Preparedness 43.0350	Information/Communications Technology Pathway	Spatial Technology and Remote Sensing (STARS)	Spatial Technology and Remote Sensing (STARS)	http://msst.org/stars_certify.php	Administered online via Digital Quest and the Mississippi Enterprise for Technology, which run NASA's Center of Geospatial Excellence	On line examination taken at the end of the program of study, within the Information/ Communications Technology Pathway	N/A	First 50 students are free, after that \$150/student
Information Technology	Database Academy (Oracle)	Oracle Academy	Oracle Certified Associate (OCA I)	• OCA I • OCA II	http://academy.oracle.com	Prometric Testing Center, Oracle Testing Center, or on-line.	On-line exam given at the end of course.	\$500 per year, per instructor, per course	• OCA I - \$95 w/ a 40% discount • OCA II - \$125 w/ a 40% discount
	IT Networking Academy	Cisco Academy	Teacher is certified through the program.	• CCENT • CCNA • CCNP • CompTIA A+ • CompTIA Server + • CompTIA Network+	www.cisco.com/web/learning/netacad/index.html http://www.comptia.org/sections/e2c/default.aspx	Cisco - Pearson VUE CompTIA - Prometric and Pearson VUE	On-line exam given at the end of course.	N/A	CCENT & CCNA \$125.00 (\$62.50 with voucher) CCNP - \$125.00 A+ (\$74) Server+ (\$118) Network+ (\$118)
Manufacturing, Engineering & Technology	Pre-Engineering: Project Lead The Way (PLTW)	College Certification Process	Training Institute - 80 hrs./course at a PLTW Affiliate Institution	Transcripted Credit with the University of Maryland Baltimore County based on test scores and review of student portfolio or Rochester Institute of Technology (RIT) based on test scores	http://www.pltw.org www.umbc.edu/pltw	Classroom - administered by instructor	End-of-course for RIT End of Program for UMBC	\$500/college certification visit	RIT = \$200 per course for students meeting standards UMBC = \$100 for portfolio review
Transportation Technologies	Automotive Technology	National Automotive Technology Education Foundation (NATEF)	National Automotive Technology Education Foundation (NATEF) Automotive Service Excellence (ASE)	National Automotive Technology Education Foundation (NATEF) or Automotive Youth Education Systems (AYES) for programs who are AYES affiliated	www.natef.org www.ayes.org	NATEF exam is web-based, administered at school (instructor must register with NATEF) AYES exam is web-based, administered at school	At end of course	NATEF Estimated costs Initial: \$975.00 Recertification: \$690.00 AYES affiliation no cost	NATEF \$5.00/exam (four parts to exam) AYES no cost to exam for AYES affiliated sites
	Autobody/ Collision Repair Technician	NATEF	NATEF/ASE	NATEF (first course exam will be ready for administration Sp '08)	www.natef.org www.ayes.org	Exam is web-based, administered at school (instructor must register with NATEF)	At end of course	Estimated costs Initial: \$925.00 Recertification 690.00	\$5.00/exam
Transportation Technologies	Medium-Heavy Truck	NATEF	NATEF/ASE	No student exam available at this time	www.natef.org www.ayes.org	N/A	N/A	Estimated costs Initial: \$975.00 Recertification: \$690.00	N/A
Cooperative Education	Career Research & Development 86.0000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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