

**From:** Jody Kallis **On Behalf Of** Bernie Sadusky  
**Sent:** Wednesday, September 12, 2018 2:25 PM  
**To:** Schissler, Erika  
**Cc:** Hise, Rachel; Fung, Kelsey-Anne  
**Subject:** Kirwan Commission - MACC Response to Sen. Waugh, et al

Dear Erika:

At the September 5, 2018 meeting of the Commission on Innovation and Excellence in Education , we were asked to provide additional information regarding non-credit training options available at community colleges that might be appropriate for students who do not complete the CCR standard by the end of the 10<sup>th</sup> grade. We refer you to the attached report on non-credit training (also available [https://mdacc.org/wp-content/uploads/MCCACET-Report-LicCert\\_FINAL\\_FY16.pdf](https://mdacc.org/wp-content/uploads/MCCACET-Report-LicCert_FINAL_FY16.pdf)). Appendix D of this report provides a listing of the non-credit training options offered by Maryland's community colleges that lead to licensure and certification. The report also identifies the credentialing group that is aligned with these courses of instruction. Community colleges publish this report every two years. Because these are offered for non-credit, students are not required to meet the same academic standard as credit students in order to enroll in this coursework. However, there is some training where readiness in English and/or math is needed and students could be assessed prior to enrollment. We use multiple measures to determine readiness.

Community colleges recognize that there will always be students who do not meet College and Career Readiness standards, some who need to work directly out of high school and others who have no interest in pursuing postsecondary education. Therefore, **we recommend expansion of the Dually Enrolled Student Program recommendation to include students, identified by their LEA, as able to benefit from non-credit community college coursework that leads to industry licensure or certification.**

Currently, the courses available to students through the Dually Enrolled Student Program offered by Maryland's community colleges are outlined in a Memorandum of Understanding that each community college has with its local education agency in response to the College and Career Readiness and College Completion Act of 2013. The MOUs require that students have approval of their LEA to take advantage of the program. We feel this is a critical step in identifying students who are ready to assume college-level coursework while in high school.

In accordance with the CCRCCA of 2013, the Dually Enrolled Student Program is limited to four courses. Therefore, current MOUs with local education agencies largely address "credit" courses; however, statute does not require that these be "credit" programs of instruction.

Students meeting CCR standards would be eligible to take any course of instruction at a community college – credit and/or non-credit.

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## APPENDIX D

### Governing Bodies, Credentialing Authorities and Descriptions of Licensures & Certifications

Appendix D shows continuing education courses that:

**Prepare for License or Certification (Pre-Lic Cert)**

- provides the education required by a government agency or professional association to be successfully completed before a student can apply for a credential (license or certification)
- prepares a student for a credentialing exam

**Maintain License or Certification (Con Ed)**

- provides the continuing education required for a credentialed student to maintain the license or certification

	Description	Pre-Lic. Cert	Con Ed	Credential	Governing Body/State Mandated	Credentialing Group	Website
<b>Accountant (CPA)</b>	CE for Certified Public Accountants		X	License	State/Yes	MD Board of Public Accountancy	<a href="http://www.dllr.state.md.us/license/cpa">www.dllr.state.md.us/license/cpa</a>
<b>Addictions Counselor</b>	CE for licensed addictions counselors		X	Certification	State/Yes	MD Addictions Professional Certification Board	<a href="http://www.mapcb.com/certification.html">www.mapcb.com/certification.html</a>
<b>Advanced Cardiac Life Support (ACLS)</b>	Credential and CE in Advanced Life Support	X	X	Certification	National/No	American Heart Association	<a href="http://www.heart.org">www.heart.org</a>
<b>*Alternative Energy</b>	Credential for providers of wind/turbine services or geothermal installation	X		Certification	International/No	North American Board of Certified Energy Practitioners/International Ground Source Heat Pump Association	<a href="http://www.nabcep.org">www.nabcep.org</a>
							<a href="http://www.igshpa.okstate.edu">www.igshpa.okstate.edu</a>

	Description	Pre-Lic. Cert	Con Ed	Credential	Governing Body/State Mandated	Credentialing Group	Website
<b>Apartment Maintenance Technician</b>	Exam Prep for apartment maintenance technicians	X		Certification	National/No	National Apartment Association	<a href="http://www.naahq.org">www.naahq.org</a>
<b>Apple Final Cut Pro</b>	Level One credential for mastery of non-linear video editing software	X		Certification	National/No	Apple, Inc.	<a href="http://www.training.apple.com/certification">www.training.apple.com/certification</a>
<b>Apprenticeship (All Trades)</b>	Prep for journeyman status in occupational trades	X		License	State/Yes	MD Apprenticeship and Training Council	<a href="http://www.dllr.state.md.us/employment/appr">www.dllr.state.md.us/employment/appr</a>
<b>Assisted Living Manager</b>	Credential and CE for managing assisted living facilities	X	X	Certification	State/Yes	MD Board of Nursing	<a href="http://www.mbon.org">www.mbon.org</a>
<b>AutoCAD</b>	Credential in drafting software	X		Certification	National/No	American Design Drafting Association	<a href="http://www.adda.org">www.adda.org</a>
<b>Automotive Service Technician (AST)</b>	Exam prep for Automotive Service Excellence exams	X		Certification	National/No	National Institute for Automotive Service Excellence	<a href="http://www.ase.com">www.ase.com</a>
<b>**Backflow Prevention</b>	32-hour Backflow training course as a prerequisite for the Journey/ Master Plumber examination	x		License	State/Yes	MD Board of Plumbing	<a href="http://marylandphcc.org/training/32-hr-backflow-course-application.html">marylandphcc.org/training/32-hr-backflow-course-application.html</a>

	Description	Pre-Lic. Cert	Con Ed	Credential	Governing Body/State Mandated	Credentialing Group	Website
<b>Basic Trauma Life Support (BTLS)</b>	Credential and CE in basic trauma life support for EMTs	X	X	Certification	National/No	Basic Trauma Life Support, Incorporated	<a href="https://ehs.umbc.edu/ce/BTLS/btls.htm">ehs.umbc.edu/ce/BTLS/btls.htm</a>
<b>Boating Safety</b>	Credential for operating recreational watercraft	X		Certification	State/Yes	MD Department of Natural Resources	<a href="https://dnr.maryland.gov/nrp/Pages/BoatingSafety/home.aspx">dnr.maryland.gov/nrp/Pages/BoatingSafety/home.aspx</a>
<b>**Body Piercing Practitioners</b>	Credential for body piercers	X		License	County/Yes	Worcester County Health Department	<a href="http://www.worcesterhealth.org">www.worcesterhealth.org</a>
<b>*Canoe Association Adaptive Paddling</b>	Credential and CE for modifying equipment and teaching styles to allow people of all abilities to participate in paddle sport activities	X	X	Endorsement	National/No	American Canoe Association	<a href="http://www.americancanoe.org/?page=Courses_Adaptive">www.americancanoe.org/?page=Courses_Adaptive</a>
<b>Captain's License</b>	Credential to pilot 100 ton+ boats	X		License	Federal/Yes	U.S. Coast Guard	<a href="http://www.uscg.mil">www.uscg.mil</a>
<b>**CARD 101</b>	Credential for dispensing or selling alcohol	X		Permit	State/No	Comptroller of Maryland	<a href="http://comptroller.marylandtaxes.com">comptroller.marylandtaxes.com</a>

	Description	Pre-Lic. Cert	Con Ed	Credential	Governing Body/State Mandated	Credentialing Group	Website
<b>*Cardiac Rescue Technician</b>	Credential and CE for providing cardiac care to stroke/heart attack victims	X	X	Certification	State/Yes	MD Institute for Emergency Medical Services Systems	<a href="http://www.miemss.org">www.miemss.org</a>
<b>*Cardiovascular Technician (CVT)</b>	Exam prep for Cardiovascular Technicians	X		Certification	National/No	Cardiovascular Credentialing International	<a href="http://www.cci-online.org">www.cci-online.org</a>
<b>Certified Administrative Professional (CAP)</b>	Credential for administrative professionals	X		Certification	National/No	International Association of Administrative Professional	<a href="http://www.iaap-hq.org">www.iaap-hq.org</a>
<b>*Certified Associate in Project Management (CAPM) *</b>	Credential (entry level) in project management	X		Certification	National/No	Project Management Institute	<a href="http://www.pmi.org">www.pmi.org</a>
<b>Certified Bookkeeper (CB)</b>	Credential and CE for bookkeepers	X	X	Certification	National/Yes	The American Institute of Professional Bookkeepers	<a href="http://www.aipb.org">www.aipb.org</a>
<b>*Certified Employee Benefits Specialist (CEBS)</b>	Credential for human resources benefits personnel	X		Certification	International/No	International Foundation of Employee Benefit Plans	<a href="http://www.ifebp.org">www.ifebp.org</a>
<b>Certified Energy Practitioners PV Associate</b>	CE for designing, installing and operating grid-tied and stand-alone PV Systems		X	Certification	National/No	North American Board of Certified Energy Practitioners	<a href="http://www.nabcep.org">www.nabcep.org</a>

	Description	Pre-Lic. Cert	Con Ed	Credential	Governing Body/State Mandated	Credentialing Group	Website
<b>**Certified Front Desk Representative</b>	CCertification for front-line guest service agents at lodging properties	X		Certification	National/No	American Hotel & Lodging Educational Institute	<a href="http://www.ahlei.org/CME">www.ahlei.org/CME</a>
<b>Certified Information Systems Security Professional (CISSP)</b>	Credential for IT security specialists	X		Certification	National/No	International Information System Security Certification Consortium	<a href="http://www.isc2.org/cissp/default.aspx">www.isc2.org/cissp/default.aspx</a>
<b>Certified Logistics Technician (CLT)</b>	Credential for front-line materials handlers	X		Certification	National/No	Manufacturing Skill Standards Council	<a href="http://www.msscusa.org">www.msscusa.org</a>
<b>**Certified Maintenance Employee</b>	Certification for front-line hospitality and maintenance positions at lodging properties	X		Certification	National/No	American Hotel & Lodging Educational Institute	<a href="http://www.ahlei.org/CME">www.ahlei.org/CME</a>
<b>Certified Medical Administrative Assistant/Medical Front Office (CMAA)</b>	Credential for providing medical office support	X		Certification	National/No	National Healthcareer Association®	<a href="http://www.nhanow.com">www.nhanow.com</a>
<b>Certified Medical Reimbursement Specialist (CMRS)</b>	Credential for medical billing specialists	X		Certification	National/No	American Medical Billing Association	<a href="http://www.ambanet.net/AMBA.htm">www.ambanet.net/AMBA.htm</a>
<b>Certified Miner</b>	Certification and CE for miners	X	X	Certification	State/Yes	Mine Safety and Health Administration	<a href="http://www.msha.gov">www.msha.gov</a>

	Description	Pre-Lic. Cert	Con Ed	Credential	Governing Body/State Mandated	Credentialing Group	Website
<b>Certified Nursing Assistant (CNA)</b>	Credential for assisting RNs and LPNs	X		Certification	State/Yes	MD Board of Nursing	<a href="http://www.mbon.org">www.mbon.org</a>
<b>Certified Payroll Professional (CPP)</b>	Credential for payroll professionals	X		Certification	National/No	American Payroll Association	<a href="http://www.americanpayroll.org">www.americanpayroll.org</a>
<b>Certified Registered Central Service Technician (CRCST)</b>	Exam prep for Certified Registered Central Service Technician	X		Certification	International/No	International Association of Healthcare Central Service Material Management	<a href="http://www.iahcsmm.org">www.iahcsmm.org</a>
<b>Child Care</b>	Credential and CE for providing licensed child care and before and after school care	X	X	Certification	State/Yes	MD Department of Education/ Office of Child Care	<a href="http://earlychildhood.marylandpublicschools.org/child-care-providers">earlychildhood.marylandpublicschools.org/child-care-providers</a>
<b>Child Development Associate (CDA)</b>	Credential and CE for working with young children	X	X	Certification	National/No	Council for Professional Recognition	<a href="http://www.cdacouncil.org">www.cdacouncil.org</a>
<b>CISCO® Carrier Ethernet Certification</b>	CE for individuals certified in Carrier Ethernet (CE) standards and applications		X	Certification	International/No	CISCO®	<a href="http://www.cisco.com">www.cisco.com</a>
<b>CISCO® Certified Network Association (CCNA)</b>	Exam prep for information technology network credential	X		Certification	International/No	CISCO®	<a href="http://www.cisco.com">www.cisco.com</a>

	Description	Pre-Lic. Cert	Con Ed	Credential	Governing Body/State Mandated	Credentialing Group	Website
<b>Commercial Driver's License (CDL)</b>	Credential for driving commercial vehicles, trucks, 16+ passenger buses, mobile cranes, uncoupled tractors	X		License	State/Yes	MD Motor Vehicle Administration	<a href="http://www.mva.maryland.gov">www.mva.maryland.gov</a>
<b>Commercial Driver's License (CDL) for Examiners</b>	Credential for conducting final MVA licensing exams for CDL	X		License	State/Yes	MD Motor Vehicle Administration	<a href="http://www.mva.maryland.gov">www.mva.maryland.gov</a>
<b>CompTIA® A+ Certification</b>	Exam prep for configuring and repairing PCs	X		Certification	National/No	Computing Technology Industry Association	<a href="http://www.comptia.org">www.comptia.org</a>
<b>*CompTIA® Certified Wireless Network Administrator</b>	Exam prep for network administrator credential	X		Certification	National/No	Computing Technology Industry Association	<a href="http://www.comptia.org">www.comptia.org</a>
<b>*CompTIA® Healthcare IT Technician</b>	Credential for installing, managing and troubleshooting IT systems in medical and clinical settings	X		Certification	National/NO	Computer Technology Industry Association	<a href="http://www.comptia.org">www.comptia.org</a>
<b>CompTIA® Internet Webmaster</b>	Exam prep for website management credential	X		Certification	National/No	Computing Technology Industry Association	<a href="http://www.comptia.org">www.comptia.org</a>

	Description	Pre-Lic. Cert	Con Ed	Credential	Governing Body/State Mandated	Credentialing Group	Website
<b>CompTIA® Network+ Certification</b>	Credential for configuring and installing network components	X		Certification	National/No	Computing Technology Industry Association	<a href="http://www.comptia.org">www.comptia.org</a>
<b>CompTIA® Security + Certification</b>	Exam prep for providing network security	X		Certification	National/No	Computer Technology Industry Association	<a href="http://www.comptia.com">www.comptia.com</a>
<b>CompTIA® Strata IT Fundamentals</b>	Exam prep for providing IT support	X		Certification	National/No	Computer Technology Industry Association	<a href="http://www.comptia.com">www.comptia.com</a>
<b>Correctional Officers</b>	Credential and CE for detention center and jail personnel	X	X	Certification	State/Yes	MD State Police and Correctional Training Commission	<a href="http://www.dpscs.state.md.us/aboutdpscs/pct">www.dpscs.state.md.us/aboutdpscs/pct</a>
<b>Cosmetologist/Manicurist</b>	Credential for hair, skin, and nail care professionals	X		License	State/Yes	MD Board of Cosmetologists	<a href="http://www.dllr.state.md.us/license/cos">www.dllr.state.md.us/license/cos</a>
<b>Counselor</b>	CE for counseling professionals		X	License	State/Yes	MD Board of Professional Counselors	<a href="http://www.dhmf.maryland.gov/bopc">www.dhmf.maryland.gov/bopc</a>
<b>CPR (Cardiopulmonary Resuscitation) and First Aid</b>	Credential and CE for Cardiopulmonary Resuscitation and First Aid	X	X	Certification	National/No	American Heart Association	<a href="http://www.heart.org">www.heart.org</a>
<b>Cyber Security - Certified Ethical Hacker (CEH)</b>	Credential for network penetration testers	X		Certification	International/No	EC Council	<a href="http://www.eccouncil.org">www.eccouncil.org</a>

	Description	Pre-Lic. Cert	Con Ed	Credential	Governing Body/State Mandated	Credentialing Group	Website
<b>*Defense Acquisition Workforce Improvement Act (DAWIA)</b>	Credential for the acquisition workforce	X		Certification	National/No	Department of Defense	<a href="http://www.dau.mil">www.dau.mil</a>
<b>Dental Assistant</b>	Credential for supporting dental patient care	X		License	State/Yes	MD Board of Dental Examiners	<a href="http://www.dhmd.state.md.us/dental">www.dhmd.state.md.us/dental</a>
<b>Dental Hygienist</b>	CE for providing dental hygiene in dental offices		X	License	State/Yes	MD Board of Dental Examiners	<a href="http://www.dhmd.state.md.us/dental">www.dhmd.state.md.us/dental</a>
<b>Dental Radiology</b>	Exam prep for the dental radiation health and safety exam	X		Certification	National/No	Dental Assisting National Board, Inc.	<a href="http://www.danb.org">www.danb.org</a>
<b>Dentist</b>	CE for licensed oral care doctors		X	License	State/Yes	MD Board of Dental Examiners	<a href="http://www.dhmd.state.md.us/dental">www.dhmd.state.md.us/dental</a>
<b>Developmental Disability Worker</b>	Credential for caring for developmentally disabled adults	X		Certification	State/Yes	MD Department of Health & Mental Hygiene, Developmental Disability Administration	<a href="http://www.dda.dhmd.maryland.gov/SitePages/Home.aspx">www.dda.dhmd.maryland.gov/SitePages/Home.aspx</a>
<b>Dog Grooming</b>	Credential for grooming dogs and pets	X		Certification	National/No	National Dog Groomers Association of America, Inc.	<a href="http://www.nationaldoggroomers.com">www.nationaldoggroomers.com</a>
<b>Driver Improvement Point System</b>	CE requirement for drivers with excessive points on their driver's license		X	Certification	State/Yes	MD Motor Vehicle Administration	<a href="http://www.mva.maryland.gov">www.mva.maryland.gov</a>

	Description	Pre-Lic. Cert	Con Ed	Credential	Governing Body/State Mandated	Credentialing Group	Website
<b>Driver's Education Instructor Certification</b>	Credential for teaching driver's education	X		Certification	State/Yes	MD Motor Vehicle Administration	<a href="http://www.mva.maryland.gov">www.mva.maryland.gov</a>
<b>Driver's Education/ Non-CDL</b>	Prep course for pursuing a driver's license	X		License	State/Yes	MD Motor Vehicle Administration	<a href="http://www.mva.maryland.gov">www.mva.maryland.gov</a>
<b>EKG Technician</b>	Credential for performing electrocardiograph tracings of the heart	X		Certification	National/No	National Healthcareer Association®	<a href="http://www.nhanow.com">www.nhanow.com</a>
<b>Electrician</b>	Credential and CE for electricians and prep for Electrician Masters License and Electrical Code Update	X	X	License	State/Yes	MD Apprenticeship and Training Council	<a href="http://www.dllr.state.md.us/employment/appr">www.dllr.state.md.us/employment/appr</a>
<b>Electrician (NCCER)</b>	Four-level training for electricians	X		Certification	National/No	National Center for Construction Education and Research	<a href="http://www.nccer.org">www.nccer.org</a>
<b>*Electronic Health Records Specialist (CEHRS)</b>	Credential for working with electronic health records	X		Certification	National/No	National Healthcareer Association®	<a href="http://www.nhanow.com">www.nhanow.com</a>
<b>Emergency Medical Responder (EMR)</b>	Credential for emergency medical responder lifesaving skills	X		Certification	National/Yes	National Registry of Emergency Medical Technicians®	<a href="http://www.nremt.org/nremt/about/reg_1st_history.asp">www.nremt.org/nremt/about/reg_1st_history.asp</a>

	Description	Pre-Lic. Cert	Con Ed	Credential	Governing Body/State Mandated	Credentialing Group	Website
<b>Emergency Medical Technician (EMT)</b>	Credential and CE for the 3 levels of EMTs – Basic, Intermediate, Paramedic	X	X	Certification	State/Yes	MD Institute for Emergency Medical Services Systems	<a href="http://www.miemss.org">www.miemss.org</a>
<b>Energy Auditor</b>	Credential and CE for conducting home energy audits	X	X	Certification	National/No	Building Performance Institute, Inc.	<a href="http://www.bpi.org">www.bpi.org</a>
<b>*Engineer</b>	CE for licensed professional engineers		X	License	National/Yes	National Society of Professional Engineers	<a href="http://www.nspe.org/index.html">www.nspe.org/index.html</a>
<b>Environmental Sanitarian</b>	Credential and CE for water, air and land managers	X	X	Certification	State/No	MD Department of the Environment	<a href="http://www.mde.state.md.us">www.mde.state.md.us</a>
<b>EPA Technician</b>	Credential and CE for enforcing environmental regulations	X	X	Certification	Federal/No	US Environmental Protection Agency	<a href="http://www.epa.gov">www.epa.gov</a>
<b>Esthetician</b>	Credential for caring for and treating skin	X		License	State/Yes	MD Board of Cosmetologists	<a href="http://www.dllr.state.md.us/license/cos">www.dllr.state.md.us/license/cos</a>
<b>Facility Management Professional (FMP)</b>	Credential for managing facilities	X		Certification	International/No	International Facility Management Association	<a href="http://www.ifma.org">www.ifma.org</a>
<b>Financial Planner (CFP)</b>	Credential and CE for financial analysts and planners	X	X	Certification	National/No	Certified Financial Planner Board of Standards	<a href="http://www.cfp.net">www.cfp.net</a>

	Description	Pre-Lic. Cert	Con Ed	Credential	Governing Body/State Mandated	Credentialing Group	Website
<b>Firefighter</b>	Credential for fire fighters	X		Certification	State/Yes	MD Fire and Rescue Institute	<a href="http://www.mfri.org">www.mfri.org</a>
<b>First Responder</b>	Credential for delivering advanced first aid to accident or sudden illness victims	X		Certification	National/No	National Safety Council	<a href="http://www.nsc.org">www.nsc.org</a>
						American Red Cross	<a href="http://www.redcross.org">www.redcross.org</a>
<b>Fitness Certification/ Fitness Professional</b>	Credential for leading fitness and health activities	X		Certification	International/ No	American Aerobic Association International/ International Sports Medicine Association	<a href="http://www.aaai-ismafitness.com">www.aaai-ismafitness.com</a>
<b>Flagger</b>	Credential for providing traffic control and safety in work zones	X		Certification	National/Yes	American Traffic Safety Services Association	<a href="http://www.nsc.org">www.nsc.org</a>
<b>Food Service Management (ServSafe®)</b>	Credential and CE for the safely preparing, cooking, and storing food	X	X	Certification	National/No	ServSafe® National Restaurant Association	<a href="http://www.servsafe.com">www.servsafe.com</a>
<b>Forest Qualified Professional/Licensed Tree Expert</b>	CE for submitting forest stand delineations and writing forest conversation plans		X	License	State/Yes	MD Department of Natural Resources	<a href="http://www.dnr.state.md.us">www.dnr.state.md.us</a>
<b>Fork Lift Certification</b>	Credential for operating a fork lift	X		Certification	State/Yes	MD Occupational Safety and Health Administration	<a href="http://www.dllr.state.md.us/labor/mosh">www.dllr.state.md.us/labor/mosh</a>

	Description	Pre-Lic. Cert	Con Ed	Credential	Governing Body/State Mandated	Credentialing Group	Website
<b>Handgun Qualification License</b>	Credential to purchase, rent, or receive a handgun in Maryland	X		License	State/Yes	MD State Police	<a href="http://mdsp.maryland.gov/Organization/Pages/CriminalInvestigationBureau/LicensingDivision.aspx">mdsp.maryland.gov/Organization/Pages/CriminalInvestigationBureau/LicensingDivision.aspx</a>
<b>Handgun Wear and Carry Permit</b>	Credential to wear and carry a regulated firearm in Maryland	X		Permit	State/Yes	MD State Police	<a href="http://mdsp.maryland.gov/Organization/Pages/CriminalInvestigationBureau/LicensingDivision.aspx">mdsp.maryland.gov/Organization/Pages/CriminalInvestigationBureau/LicensingDivision.aspx</a>
<b>HAZ-MAT</b>	Credential and CE required for CDL license holders to transport hazardous materials	X	X	Certification	State/Yes	MD Occupational Safety and Health Administration	<a href="http://www.dllr.state.md.us/labor/mosh">www.dllr.state.md.us/labor/mosh</a>
<b>Heat, Ventilation, Air Conditioning, and Refrigeration (HVACR)</b>	Credential and CE for HVACR technicians		X	License	State/Yes	MD Board of Heating, Ventilation, Air Conditioning and Refrigeration Contractors	<a href="http://www.dllr.state.md.us/license/hvacr">www.dllr.state.md.us/license/hvacr</a>
<b>Home Improvement Contractor</b>	Credential for owning and operating a home improvement business	X		License	State/Yes	MD Home Improvement Commission	<a href="http://www.dllr.state.md.us/license/mhic">www.dllr.state.md.us/license/mhic</a>
<b>Home Inspector</b>	Credential and CE for inspecting domiciles for structural or systemic problems	X	X	License	State/Yes	MD Commission of Real Estate Appraisers, Appraisal Management Companies, and Home Inspectors	<a href="http://www.dllr.state.md.us/license/reahi">www.dllr.state.md.us/license/reahi</a>
<b>Human Resources Management Certificate</b>	Credential for human resource managers	X		Certification	National/No	American Management Association®	<a href="http://www.amanet.org">www.amanet.org</a>

	Description	Pre-Lic. Cert	Con Ed	Credential	Governing Body/State Mandated	Credentialing Group	Website
<b>Income Tax Preparers</b>	Exam prep and CE for registered income tax preparers	X	X	Registration	State/Yes	MD Board of Individual Tax Preparers	<a href="http://www.dllr.state.md.us/license/taxprep/taxprepic.shtml">www.dllr.state.md.us/license/taxprep/taxprepic.shtml</a>
<b>Insurance Broker Salesperson</b>	Credential and CE for selling property/casualty and health/life insurance policies	X	X	License	State/Yes	MD Insurance Administration	<a href="http://insurance.maryland.gov">insurance.maryland.gov</a>
<b>*International Personnel Management Association Certification (IPMA)</b>	Credential for human resource professionals in federal, state and local governments	X		Certification	International/No	International Personnel Management Association for Human Resources	<a href="http://www.ipma-hr.org">www.ipma-hr.org</a>
<b>J-Standard Soldering Certification</b>	Credential and CE in electrical and electronic soldering assemblies for manufacturing operators	X	X	Certification	National/No	Institute of Interconnecting & Packaging (IPC®) - Association Connecting Electronic Industries	<a href="http://www.ipc.org">www.ipc.org</a>
<b>Land Surveyor</b>	CE for licensed land surveyors		X	License	State/Yes	MD Board for Professional Land Surveyors	<a href="http://www.dllr.state.md.us/license/lis">www.dllr.state.md.us/license/lis</a>
<b>Law Enforcement</b>	Credential and CE for local and/or municipal police officers	X	X	Certification	State/Yes	MD Police and Correctional Training Commission	<a href="http://www.dpscs.state.md.us">www.dpscs.state.md.us</a>

	Description	Pre-Lic. Cert	Con Ed	Credential	Governing Body/State Mandated	Credentialing Group	Website
<b>Lead Paint Abatement</b>	Credential for supervising or performing lead paint inspections and abatement	X		License	State/Yes	MD Department of the Environment	<a href="http://mde.maryland.gov/programs/Land/LeadPoisoningPrevention/Pages/index.aspx">mde.maryland.gov/programs/Land/LeadPoisoningPrevention/Pages/index.aspx</a>
<b>LEED Green Associate</b>	Credential for leadership in energy and environmental design	X		Certification	National/No	Green Building Certification Inc.	<a href="http://www.gbci.org">www.gbci.org</a>
<b>Lifeguard</b>	Credential for maintaining swimmer safety	X		Certification	National/No	American Red Cross	<a href="http://www.redcross.org">www.redcross.org</a>
<b>Locksmith</b>	Credential and CE for locksmiths and safe technicians	X	X	Certification	National/No	Associated Locksmiths of America	<a href="http://www.aloa.org">www.aloa.org</a>
<b>Machinist</b>	Credential for metalworking	X		Certification	National/No	National Institute for Metalworking Skills	<a href="http://www.nims-skills.org/web/nims/home">www.nims-skills.org/web/nims/home</a>
<b>**Mantrailing Certification</b>	Credential and CE for mantrailing (the process of training and handling canines in the scent specific pursuit of individuals)	X	X	Certification	National/No	American Mantrailing, Police & Work Dog Association	<a href="http://www.ampwda.com/standards.html">www.ampwda.com/standards.html</a>

	Description	Pre-Lic. Cert	Con Ed	Credential	Governing Body/State Mandated	Credentialing Group	Website
<b>MD Board of Nursing Train the Trainer</b>	Credential for case managers and delegating nurses working with assisted living facilities	X		Certification	State/Yes	MD Board of Nursing	<a href="http://www.mbon.org">www.mbon.org</a>
<b>Massage Therapist</b>	Credential and CE for massage therapists	X	X	License	State/Yes	MD Board of Chiropractic Examiners	<a href="http://www.dhmf.maryland.gov/chiropractic">www.dhmf.maryland.gov/chiropractic</a>
<b>*Master Logger</b>	CE for timber harvesting		X	License	State/Yes	MD Department of Natural Resources	<a href="http://www.dnr.state.md.us">www.dnr.state.md.us</a>
<b>Medical Assistant (CCMA)</b>	Credential for providing assistance in healthcare procedures	X		Certification	National/No	National Healthcareer Association®	<a href="http://www.nhanow.com">www.nhanow.com</a>
<b>Medical Assistant (CMA)</b>	Credential for providing clinical and administrative assistance in healthcare procedures	X		Certification	National/No	American Association of Medical Assistants	<a href="http://www.aama-ntl.org">www.aama-ntl.org</a>
<b>Medical Coder</b>	Credential for assigning codes to medical procedures	X		Certification	National/No	American Health Information Management Association	<a href="http://www.ahima.org">www.ahima.org</a>
<b>Medical Transcriptionist</b>	Credential for transcribing medical dictation	X		Certification	National/No	American Association of Medical Transcription	<a href="http://www.themtassist.com">www.themtassist.com</a>

	Description	Pre-Lic. Cert	Con Ed	Credential	Governing Body/State Mandated	Credentialing Group	Website
<b>Medicine Aide</b>	Credential and CE/recertification for nursing assistant administering medication	X	X	Certification	State/Yes	MD Board of Nursing	<a href="http://www.mbon.org">www.mbon.org</a>
<b>Mental Health First Aid</b>	Credential and CE for supporting individuals who are developing a mental illness or are in crisis	X	X	Certification	State/No	Mental Health First Aid USA	<a href="http://www.mentalhealthfirstaid.org">www.mentalhealthfirstaid.org</a>
<b>Microsoft Certified Solutions Associate (MCSA)</b>	CE for designing and building technology solutions		X	Certification	National/No	Microsoft	<a href="http://www.microsoft.com">www.microsoft.com</a>
<b>Microsoft Desktop Support Technician</b>	CE for supporting computer infrastructures		X	Certification	National/No	Microsoft	<a href="http://www.microsoft.com">www.microsoft.com</a>
<b>Microsoft Office User Specialist</b>	Credential and CE in Microsoft Office Suite proficiency	X	X	Certification	National/No	Microsoft	<a href="http://www.microsoft.com">www.microsoft.com</a>
<b>Microsoft Systems Engineer</b>	CE for designing and implementing computer infrastructures		X	Certification	National/No	Microsoft	<a href="http://www.microsoft.com">www.microsoft.com</a>
<b>Motorcycle Safety</b>	Credential for operating a motorcycle	X		License	State/Yes	MD Motor Vehicle Administration	<a href="http://www.mva.maryland.gov">www.mva.maryland.gov</a>

	Description	Pre-Lic. Cert	Con Ed	Credential	Governing Body/State Mandated	Credentialing Group	Website
<b>National Apartment Leasing Professional</b>	Credential for managing apartment complexes	X		Certification	National/No	National Apartment Association	<a href="http://www.naahq.org">www.naahq.org</a>
<b>National Incident Management System</b>	Credential and CE for operating any US system of emergency management and incident response	X	X	Certification	National/No	Federal Emergency Management Agency	<a href="http://training.fema.gov/nims">training.fema.gov/nims</a>
<b>Nurse Refresher</b>	CE for renewing an inactive RN license		X	License	State/Yes	MD Board of Nursing	<a href="http://www.mbon.org">www.mbon.org</a>
<b>Nursing</b>	CE for licensed nurses		X	License	State/Yes	MD Board of Nursing	<a href="http://www.mbon.org">www.mbon.org</a>
<b>Occupational Therapist</b>	CE for licensed occupational therapists		X	License	State/Yes	MD Board of Occupational Therapy Practice	<a href="http://www.dhmf.maryland.gov/botp">www.dhmf.maryland.gov/botp</a>
<b>Ophthalmic Medical Assistant</b>	Credential for assisting ophthalmologists with eye exams	X		License	State/Yes	MD Board of Examiners in Optometry	<a href="http://www.dhmf.maryland.gov/optometry">www.dhmf.maryland.gov/optometry</a>
<b>Optician</b>	Exam prep for optician certification	X		Certification	National/No	American Board of Optometry	<a href="http://www.dhmf.maryland.gov/optometry">www.dhmf.maryland.gov/optometry</a>
<b>Oracle Certification</b>	Credential in server and database language development	X		Certification	International/No	Oracle Corporation	<a href="http://www.oracle.com">www.oracle.com</a>

	Description	Pre-Lic. Cert	Con Ed	Credential	Governing Body/State Mandated	Credentialing Group	Website
<b>OSHA Safety and Health</b>	Credential and CE for inspecting safety and health regulations and codes	X	X	Certification	State/No	MD Occupational Safety and Health Administration	<a href="http://www.dllr.state.md.us/labor/mosh">www.dllr.state.md.us/labor/mosh</a>
<b>Paralegal</b>	Credential for performing legal services sanctioned by federal and state authority	X		Certification	National/No	American Association for Paralegal Education®	<a href="http://www.aafpe.org">www.aafpe.org</a>
<b>Paramedic</b>	Credential and CE for providing advanced emergency medical care	X	X	Certification	National/Yes	National Registry of Emergency Medical Technicians®	<a href="http://www.nremt.org/nremt/about/reg_para_history.asp">www.nremt.org/nremt/about/reg_para_history.asp</a>
<b>Patient Care Technician</b>	Credential for assisting with patient care	X		Certification	National/No	National Healthcareer Association®	<a href="http://www.nhanow.com">www.nhanow.com</a>
<b>*Pediatric Education for Pre-Hospital Professionals (PEPP)</b>	Credential for pre-hospital professionals to assess and manage ill or injured children	X		Certification	State/No	American Academy of Pediatrics	<a href="http://www.peppsite.com/course.cfm">www.peppsite.com/course.cfm</a>
<b>Personal Trainer Certificate</b>	Credential for providing one-one fitness instruction	X		Certification	National/No	American Council on Exercise	<a href="http://www.acefitness.org">www.acefitness.org</a>

	Description	Pre-Lic. Cert	Con Ed	Credential	Governing Body/State Mandated	Credentialing Group	Website
<b>Pesticide Applicator</b>	Credential for storing and applying pesticides	X		License	State/Yes	MD Department of Agriculture	<a href="http://www.mda.maryland.gov">www.mda.maryland.gov</a>
<b>Pharmacy Technician</b>	Credential for assisting licensed pharmacists	X		Certification	State/Yes	MD Board of Pharmacy	<a href="http://www.dhmf.maryland.gov/pharmacy">www.dhmf.maryland.gov/pharmacy</a>
<b>Phlebotomy Technician</b>	Credential for performing venipuncture for blood specimens	X		Certification	National/No	American Society for Phlebotomy Technicians	<a href="http://www.aspt.org">www.aspt.org</a>
<b>Physical Therapist</b>	CE for licensed physical therapists		X	License	State/Yes	MD Board of Physical Therapy Examiners	<a href="http://www.dhmf.maryland.gov/bphte">www.dhmf.maryland.gov/bphte</a>
<b>Plumber</b>	Credential and CE for journeymen and master plumbers	X	X	License	State/Yes	MD Board of Plumbing	<a href="http://www.dlr.state.md.us/license/pl">www.dlr.state.md.us/license/pl</a>
<b>Polysomnographic (Sleep) Technician</b>	Credential for working in a sleep center	X		Certification	National/No	American Association of Sleep Technologists	<a href="http://www.aastweb.org">www.aastweb.org</a>
<b>Pool Operator</b>	Credential and CE for maintaining proper chemical levels in pools	X	X	Certification	State/Yes	Pool Operation Management	<a href="http://pooloperationmanagement.com/about/locations/maryland">pooloperationmanagement.com/about/locations/maryland</a>
<b>*Principles of Education for Healthcare Educators</b>	Credential for first-time CNA instructors	X		Certification	State/Yes	MD Board of Nursing	<a href="http://www.mbon.org">www.mbon.org</a>

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<b>Procurement Professional (CCPO and CPPB)</b>	Credentials for government procurement professionals	X		Certification	National/No	Universal Public Procurement Certification Council	<a href="http://www.uppcc.org/certified">www.uppcc.org/certified</a>
<b>Project Management Professional (PMP®)</b>	Credential for project management professionals	X		Certification	National/No	Project Management Institute	<a href="http://www.pmi.org">www.pmi.org</a>
<b>Psychologist</b>	CE for licensed psychologist		X	License	State/Yes	The Board of Examiners of Psychologists	<a href="http://dhmh.maryland.gov/psych/Pages/Home.aspx">dhmh.maryland.gov/psych/Pages/Home.aspx</a>
<b>Quality Control Inspector</b>	Credential for evaluating home energy efficiency	X		Certification	National/No	Building Performance Institute, Inc.	<a href="http://www.bpi.org/professionals_advanced.asp">www.bpi.org/professionals_advanced.asp</a>
<b>QuickBooks® Certified User (QBCU)</b>	Exam prep for QuickBooks® proficiency	X		Certification	National/No	Intuit	<a href="http://www.quickbookstraining.com/quickbooks-certification/certification.html">www.quickbookstraining.com/quickbooks-certification/certification.html</a>
<b>Radiology Technician</b>	CE for certified radiology technicians		X	Certification	State/No	American College of Radiology	<a href="http://www.acr.org">www.acr.org</a>
<b>Real Estate Appraiser</b>	Credential and CE for appraising real estate property	X	X	License	State/Yes	MD Commission of Real Estate Appraisers, Appraisal Management Companies, and Home Inspectors	<a href="http://www.dllr.state.md.us/license/reahi">www.dllr.state.md.us/license/reahi</a>

	Description	Pre-Lic. Cert	Con Ed	Credential	Governing Body/State Mandated	Credentialing Group	Website
<b>Real Estate Broker/Sales</b>	Credential and CE for selling real estate property	X	X	License	State/Yes	MD Real Estate Commission	<a href="http://www.dllr.state.md.us/license/mrec">www.dllr.state.md.us/license/mrec</a>
<b>Red Cross Babysitter Training</b>	Young adult prep for Red Cross babysitter certificate	X		Certification	National/No	American Red Cross	<a href="http://www.redcross.org">www.redcross.org</a>
<b>Refrigeration Transition and Recovery</b>	Credential for handling CFC refrigerants	X		Certification	Federal/No	EPA approved providers	<a href="http://www.epa.gov">www.epa.gov</a>
<b>Registered Nurse Case Manager/ Delegating Nurse in Assisted Living</b>	Credential for RN working as case managers or delegating nurses w/ medication techniques in assisted living facilities	X		License	State/Yes	MD Board of Nursing	<a href="http://www.mbon.org">www.mbon.org</a>
<b>Reiki Certification</b>	Credential for practitioner of holistic natural healing	X		Certification	National/No	Reiki Plus® Institute of Natural Healing	<a href="http://www.reikiplus.com">www.reikiplus.com</a>
<b>**Residential Child and Youth Care Practitioner</b>	Credential and CE for performing the daily tasks required to care for children and youth in residential child care programs	X	X	Certification	State/Yes	MD Department of Health and Mental Hygiene	<a href="http://dhmh.maryland.gov/crccp/Pages/practitioners.aspx">dhmh.maryland.gov/crccp/Pages/practitioners.aspx</a>

	Description	Pre-Lic. Cert	Con Ed	Credential	Governing Body/State Mandated	Credentialing Group	Website
<b>*Respiratory Care Practitioners</b>	CE for evaluating, treating, and caring for patients with breathing disorders		X	License	State/Yes	MD Board of Physicians	<a href="http://www.mbp.state.md.us/pages/res_care.html">www.mbp.state.md.us/pages/res_care.html</a>
<b>Safety Inspector</b>	Credential for inspecting equipment and vehicles to ensure compliance with state safety regulations	X		License	State/Yes	MD State Police - Automotive Safety Enforcement Division	<a href="http://www.mdsp.org">www.mdsp.org</a>
<b>SCUBA Diver</b>	Credential for operating self-contained underwater breathing apparatuses	X		Certification	International/No	Professional Association of Diving Instructors	<a href="http://www.padi.com">www.padi.com</a>
<b>Social Worker</b>	CE for licensed social workers		X	License	State/Yes	MD Board of Social Work Examiners	<a href="http://www.dhmf.maryland.gov/bswe">www.dhmf.maryland.gov/bswe</a>
<b>Society for Human Resource Management (SHRM)</b>	Credential for human resource managers	X		Certification	National/No	Society for Human Resource Management	<a href="http://www.shrm.org">www.shrm.org</a>
<b>Speech-Language Pathologists/Audiologists</b>	CE for licensed audiologists and speech/ language pathologists		X	License	State/Yes	MD Board of Examiners for Audiologists, Hearing Aid Dispensers & Speech-Language Pathologists	<a href="http://www.dhmf.maryland.gov/boardsahs">www.dhmf.maryland.gov/boardsahs</a>

	Description	Pre-Lic. Cert	Con Ed	Credential	Governing Body/State Mandated	Credentialing Group	Website
<b>Sports Nutrition Consultant</b>	Credential for providing athletes with proper diet and nutrition information	X		Certification	International/No	American Aerobic Association International and International Sports Medicine Association	<a href="http://www.aaai-ismafitness.com">www.aaai-ismafitness.com</a>
<b>Stationary Engineer</b>	Exam prep for stationary engineers	X		License	State/Yes	MD Board of Stationary Engineers	<a href="http://www.dlir.state.md.us/license/stateng/statenglic.shtml">www.dlir.state.md.us/license/stateng/statenglic.shtml</a>
<b>Sterile Processing Technician</b>	CE for certified sterile processing technicians		X	Certification	National/No	International Association of Healthcare Central Service Material Management	<a href="http://www.iahcsmm.org">www.iahcsmm.org</a>
<b>Surgical Technician</b>	Credential and CE for supporting surgical teams	X	X	Certification	National/No	The National Board of Surgical Technology and Surgical Assisting	<a href="http://www.nbstsa.org">www.nbstsa.org</a>
<b>Taxi Host</b>	Credential required for Baltimore City taxi companies/drivers	X		Certification	State/Yes City/Yes	MD Tourism Education Foundation	<a href="http://www.mdtef.org">www.mdtef.org</a>
<b>Teacher</b>	CE for teachers		X	Certification	State/No	MD Department of Education	<a href="http://www.marylandpublicschools.org">www.marylandpublicschools.org</a>
<b>Technician of Alcohol Management (TAM)</b>	Credential and CE for dispensing or selling alcohol	X	X	Certification	State/No	MD Licensed Beverage Association	<a href="http://www.mslba.org">www.mslba.org</a>
<b>Temporary Traffic Control Manager</b>	Credential for providing temporary traffic control	X		Certification	State/Yes	MD State Highway Administration	<a href="http://www.roads.maryland.gov">www.roads.maryland.gov</a>

	Description	Pre-Lic. Cert	Con Ed	Credential	Governing Body/State Mandated	Credentialing Group	Website
<b>Training for Intervention ProcedureS (TIPS®)</b>	Credential for dispensing or selling alcohol	X		Certification	National/Yes	Health Communications, Inc.	<a href="http://www.gettips.com">www.gettips.com</a>
<b>Travel Agent</b>	Credential for planning and handling travel arrangements	X		Certification	National/No	The Travel Institute	<a href="http://www.thetravelinstitute.com">www.thetravelinstitute.com</a>
<b>Veterinarian</b>	CE for licensed veterinarians		X	License	State/Yes	MD Board of Veterinary Medical Examiners	<a href="http://mda.maryland.gov/vetboard">mda.maryland.gov/vetboard</a>
<b>Visible Emissions Technician (Smoke School)</b>	Credential and CE for performing federally mandated EPA Method 9 visible emissions test (smoke stacks)	X	X	Certification	State/Yes	MD Department of the Environment	<a href="http://www.mde.state.md.us/programs/Air/AirQualityCompliance">www.mde.state.md.us/programs/Air/AirQualityCompliance</a>
<b>VMware Certified Professional</b>	Credential for managing VMware products	X		Certification	International/No	VMware	<a href="http://www.mylearn.vmware.com/portals/certification">www.mylearn.vmware.com/portals/certification</a>
<b>Wastewater Treatment Technician/Manager</b>	Credential and CE for working in water and water treatment plants	X	X	License	State/Yes	MD Department of the Environment Board of Waterworks and Waste Systems Operators	<a href="http://mde.maryland.gov/programs/water/water_supply/pages/operatorTrainingandExaminations.aspx">mde.maryland.gov/programs/water/water_supply/pages/operatorTrainingandExaminations.aspx</a>
<b>*Water Safety Instructor</b>	Credential for teaching swimming	X		Certification	National/No	American Red Cross	<a href="http://www.redcross.org">www.redcross.org</a>

	Description	Pre-Lic. Cert	Con Ed	Credential	Governing Body/State Mandated	Credentialing Group	Website
<b>*WaterART Certification</b>	Credential for the aquatics and fitness industries	x		Certification	International/No	WaterART Fitness International	<a href="http://www.waterart.org">www.waterart.org</a>
<b>Wedding Planner</b>	Credential for planning weddings and events	X		Certification	National/No	Wedding Planning Institute	<a href="http://www.weddingplanninginstitute.com">www.weddingplanninginstitute.com</a>
<b>Welder</b>	Credential for welding	X		Certification	National/No	American Welding Society	<a href="http://www.aws.org">www.aws.org</a>
<b>Wilderness First Responder</b>	Credential for making critical medical and evacuation decisions in remote locations	X		Certification	National/No	National Outdoor Leadership School	<a href="http://www.nols.edu/wmi/courses/wfr.shtml">www.nols.edu/wmi/courses/wfr.shtml</a>
<b>Yoga Instructor</b>	Credential for yoga instructors	X		Certification	National/No	Yoga Alliance	<a href="http://www.yogaalliance.org">www.yogaalliance.org</a>

\*Zero enrollments in FY16

\*\*New Program in FY16