

Career and Technology Education (CTE) Assessments by Program of Study

CCRCCA Qualification

The chart below displays the following:

- All industry or national assessment per Program of Study (POS) meeting Maryland State Department of Education’s (MSDE) College and Career Readiness (CCR) qualifications;
- All industry or national assessments offered by MCPS for each Career and Technology Education (CTE) POS,
- and whether or not the assessment offered by MCPS meets the MSDE CCR qualification.

1	2	3	4	5
#	Maryland CTE Programs of Study (POS) Offered in MCPS	All Industry or National Assessment Options for MCPS POS Offered in MCPS (CTE Value Added)	Does the Industry or National Assessment Offered by MCPS (column 3) meet MSDE CCR Qualification (column 5)?	All Industry or National Assessment Options Meeting MSDE CCR Qualification
1	Media Broadcasting	None	No	None
2	Multimedia and Interactive Technologies	Adobe Creative Suite Including: Adobe Certified Associate (ACA) and Adobe Certified Expert (ACE)	Yes	There are six certifications in Adobe Creative Suite. Students pass one of the following exams: Dreamweaver, Flash Illustrator, InDesign, Photoshop, or Premiere Pro.

- Red POS have no CTE certification options meeting MSDE CCR qualifications available

1	2	3	4	5
#	Maryland CTE Programs of Study (POS) Offered in MCPS	All Industry or National Assessment Options for MCPS POS Offered in MCPS (CTE Value Added)	Does the Industry or National Assessment Offered by MCPS (column 3) meet MSDE CCR Qualification (column 5)?	All Industry or National Assessment Options Meeting MSDE CCR Qualification
3	Print Technologies and Digital Graphics	<u>Adobe (4 assessments):</u> Adobe Certified Associate Photoshop; Intro to Graphic Communications; Advertising and Design; Adobe Certified Associate Illustrator	No	GAERF PrintED Certification Students pass the Graphic Communications assessment and one other from the following list: <ul style="list-style-type: none"> · Advertising and Design; · Digital File Preparation/Digital File Output; or · Offset Press Operations/Binding and Finishing.
		GAERF PrintED Certification	Yes	
		World Organization of Webmasters (WOW) Web Designer, Webmaster, and Web Developer (Apprentice and Associate Levels)	No	
4	Academy of Finance	Dual Enrollment Options	Yes	Yes
5	Accounting	College-Level Examination Program® (CLEP) Accounting	Yes	Pass the CLEP Accounting Assessment OR Pass one of the AP Economics Exams (credit varies)
		Microsoft Office Suite Word	Yes	Pass the Microsoft Office Word Excel, PowerPoint, or Access Exams to earn the MOS certification
		Microsoft Office Suite Power Point	Yes	
		Microsoft Office Suite Access	Yes	
		Microsoft Office Suite Excel	Yes	

- Red POS have no CTE certification options meeting MSDE CCR qualifications available

1	2	3	4	5
#	Maryland CTE Programs of Study (POS) Offered in MCPS	All Industry or National Assessment Options for MCPS POS Offered in MCPS (CTE Value Added)	Does the Industry or National Assessment Offered by MCPS (column 3) meet MSDE CCR Qualification (column 5)?	All Industry or National Assessment Options Meeting MSDE CCR Qualification
6	Business Administration	Microsoft Office Suite Word	Yes	Pass both the Microsoft Office Word and Excel Exams to earn the MOS certification
		Microsoft Office Suite Power Point	Yes	
		Microsoft Office Suite Access	Yes	
		Microsoft Office Suite Excel	Yes	
7	Marketing	College-Level Examination Program® (CLEP) Marketing	Yes	Pass the CLEP Marketing Assessment OR Pass one of the AP Economics Exams (credit varies)
		Microsoft Office Suite Word	No	
		Microsoft Office Suite Power Point	No	
		Microsoft Office Suite Access	No	
		Microsoft Office Suite Excel	No	

- Red POS have no CTE certification options meeting MSDE CCR qualifications available

1	2	3	4	5
#	Maryland CTE Programs of Study (POS) Offered in MCPS	All Industry or National Assessment Options for MCPS POS Offered in MCPS (CTE Value Added)	Does the Industry or National Assessment Offered by MCPS (column 3) meet MSDE CCR Qualification (column 5)?	All Industry or National Assessment Options Meeting MSDE CCR Qualification
8, 9, 10, 11	Construction Trades: Carpentry, Electricity, Masonry, Plumbing	National Center for Construction Education and Research (NCCER) Core: Intro Craft Skills – Carpentry	Yes	Pass the National Center for Construction Education and Research (NCCER) – Core: Intro Craft Skills and Level I of trade area
		NCCER Level 1 – Carpentry	Yes	
		NCCER Level 2 – Carpentry	No	
		NCCER Core: Intro Craft Skills – Electricity	Yes	
		NCCER Level 1 – Construction Electricity	Yes	
		NCCER Level 2 – Construction Electricity	No	
		NCCER Core: Intro Craft Skills – Masonry	Yes	
		NCCER Level 1 – Masonry	Yes	
		NCCER Level 2 – Masonry	No	
		NCCER Core: Intro Craft Skills – Plumbing	Yes	
		NCCER Level 1 – Plumbing	Yes	
		NCCER Level 2 – Plumbing	No	

- Red POS have no CTE certification options meeting MSDE CCR qualifications available

1	2	3	4	5
#	Maryland CTE Programs of Study (POS) Offered in MCPS	All Industry or National Assessment Options for MCPS POS Offered in MCPS (CTE Value Added)	Does the Industry or National Assessment Offered by MCPS (column 3) meet MSDE CCR Qualification (column 5)?	All Industry or National Assessment Options Meeting MSDE CCR Qualification
		OSHA 10-Hour Card	No	
		Gas Trac Pipe Certification – Plumbing	No	
		Apprentice Plumber/Gas Fitter License – State of Maryland	No	
12	Construction Maintenance: HVAC	NCCER Core: Intro Craft Skills – HVAC	Yes	Pass the National Center for Construction Education and Research (NCCER) – Core: Intro Craft Skills and Level I of trade area
		NCCER Level 1 HVAC	Yes	
		NCCER Level 2 HVAC	No	
		Multi-Meter Certification – HVAC	No	
		Gas Trac Pipe Certification – HVAC	No	
13	Construction Design: Principles of Architecture and COD Technology Design	None	Yes	Pass Autodesk’s AutoCAD certification assessment
14	Academy of Hospitality and Tourism (NAF)	Dual Enrollment Options	Yes	Yes

- Red POS have no CTE certification options meeting MSDE CCR qualifications available

1	2	3	4	5
#	Maryland CTE Programs of Study (POS) Offered in MCPS	All Industry or National Assessment Options for MCPS POS Offered in MCPS (CTE Value Added)	Does the Industry or National Assessment Offered by MCPS (column 3) meet MSDE CCR Qualification (column 5)?	All Industry or National Assessment Options Meeting MSDE CCR Qualification
15	Careers in Cosmetology	Maryland State Board of Cosmetologist License	Yes	The MD State Board of Cosmetology requires students to pass both theory and practical exams to be licensed.
16	Food and Beverage Management– ProStart	ServSafe Food Protection Manager Certification	No	Pass the ServSafe Food Protection Manager Examination Pass the ProStart Level 1 and Level 2 end-of- course exams, complete the 400 hour work-based learning (WBL) experience, and submit the WBL competency checklist to the Maryland Restaurant Association to earn the National ProStart Certificate of Achievement
		ProStart I Certificate	Yes	
		ProStart II Certificate	Yes	

- Red POS have no CTE certification options meeting MSDE CCR qualifications available

1	2	3	4	5
#	Maryland CTE Programs of Study (POS) Offered in MCPS	All Industry or National Assessment Options for MCPS POS Offered in MCPS (CTE Value Added)	Does the Industry or National Assessment Offered by MCPS (column 3) meet MSDE CCR Qualification (column 5)?	All Industry or National Assessment Options Meeting MSDE CCR Qualification
17	Professional Restaurant Management/ Culinary Arts	ServSafe Food Protection Manager Certification	No	Pass the ServSafe Food Protection Manager Examination Pass NOCTI written exam with at least a 70% passing score and pass NOCTI performance exam with at least a 75% passing score. Students must take both the written and performance exams.
		American Culinary Federation National Occupational Competency Testing Institute (NOCTI) Certified Junior Culinarian Certification	Yes	
18	Certified Professional Horticulturist	Certified Professional Horticulturist Examinations	Yes	Pass the Certified Professional Horticulturist (CPH) assessment
19	Biotechnology	None	No	None

- Red POS have no CTE certification options meeting MSDE CCR qualifications available

1	2	3	4	5
#	Maryland CTE Programs of Study (POS) Offered in MCPS	All Industry or National Assessment Options for MCPS POS Offered in MCPS (CTE Value Added)	Does the Industry or National Assessment Offered by MCPS (column 3) meet MSDE CCR Qualification (column 5)?	All Industry or National Assessment Options Meeting MSDE CCR Qualification
20	Academy of Health Professions and Biosciences: Health Occupations	Certified Nursing Assistant	Yes	Pass the teacher- developed Certified Nursing Assistant assessment approved by the Maryland Board of Nursing
	Academy of Health Professions and Biosciences: Pharmacy	Pharmacy Technician Assistant	Yes	Pass one of the following: · Exam for the Certification of Pharmacy Technician (ExCPT) through the National HealthCareers Association (NHA) OR · Pharmacy Technician Certification Board (PTCB)
	Academy of Health Professions and Biosciences: Certified Clinical Medical Assistant	Medical Assistant	Yes	Pass the National HealthCareers CCMA Certification assessment
21	Project Lead the Way: Biomedical Sciences	None	No	None

- Red POS have no CTE certification options meeting MSDE CCR qualifications available

1	2	3	4	5
#	Maryland CTE Programs of Study (POS) Offered in MCPS	All Industry or National Assessment Options for MCPS POS Offered in MCPS (CTE Value Added)	Does the Industry or National Assessment Offered by MCPS (column 3) meet MSDE CCR Qualification (column 5)?	All Industry or National Assessment Options Meeting MSDE CCR Qualification
22	Early Child Development	90 + 9 Clock Hours Certification	No	Child Development Associate (CDA) Program of the National Credentialing Program. Students complete 120 clock hours of child development education and 480 hours of experience working directly with children in licensed facilities. Assessment application fees are associated with this credential. (Candidates do not receive a pass or fail score on the CDA Exam and Verification Visit. Rather, the Council comprehensively evaluates how Candidates score in each of the thirteen CDA Functional Areas on the CDA Exam and during the CDA Verification Visit to make a credentialing decision).
23	Justice, Law, and Society	None	No	None
24	Academy of Information Technology (NAF) – IT Networking	CompTIA A+ Exam - Two parts - 901 and 902 required	No	See Network Operations
		CCENT	No	
		CCNA	No	
25	Academy of Information Technology (NAF) – IT Programming	Advanced Placement, College course, and transcribed credit	No	None

- Red POS have no CTE certification options meeting MSDE CCR qualifications available

1	2	3	4	5
#	Maryland CTE Programs of Study (POS) Offered in MCPS	All Industry or National Assessment Options for MCPS POS Offered in MCPS (CTE Value Added)	Does the Industry or National Assessment Offered by MCPS (column 3) meet MSDE CCR Qualification (column 5)?	All Industry or National Assessment Options Meeting MSDE CCR Qualification
26	Academy of Information Technology (NAF) – Web Design	None	No	None
27	Cisco	CompTIA A+ Exam - Two parts - 901 and 902 required	Yes	Pass either the: · CompTIA A+ OR · Cisco C-CENT Advanced students may also complete: · Cisco CCNA (or) · CompTIA Network+
		CCENT	Yes	
		CCNA	Yes	
28	Computer Science/Code.org	Advanced Placement, College course, and transcribed credit	No	None

- Red POS have no CTE certification options meeting MSDE CCR qualifications available

1	2	3	4	5
#	Maryland CTE Programs of Study (POS) Offered in MCPS	All Industry or National Assessment Options for MCPS POS Offered in MCPS (CTE Value Added)	Does the Industry or National Assessment Offered by MCPS (column 3) meet MSDE CCR Qualification (column 5)?	All Industry or National Assessment Options Meeting MSDE CCR Qualification
29	Network Operations	CompTIA A+ Exam - Two parts - 901 and 902 required	Yes	Pass either the: · CompTIA A+ OR · CompTIA Network+I
		CompTIA Network+	Yes	
		CompTIA Server+	Yes	
		CompTIA Security+	Yes	
		CompTIA Linux+LXO 103	No	
		CompTIA Linux+LXO 104	No	
		CompTIA Project+	No	
		CompTIA Cloud Essentials/Cloud+	No	
		CompTIA IT Fundamentals V5	No	

- Red POS have no CTE certification options meeting MSDE CCR qualifications available

1	2	3	4	5
#	Maryland CTE Programs of Study (POS) Offered in MCPS	All Industry or National Assessment Options for MCPS POS Offered in MCPS (CTE Value Added)	Does the Industry or National Assessment Offered by MCPS (column 3) meet MSDE CCR Qualification (column 5)?	All Industry or National Assessment Options Meeting MSDE CCR Qualification
30	Pre-Engineering: Project Lead The Way (PLTW)	<p>PLTW high school students who register for RIT college credit will receive a grade report at the end of the term in which they register. Students who apply to colleges other than RIT may request that a transcript be sent to those schools at no cost by completing the Transcript Request Form.</p> <p>University of Baltimore County provides students with the opportunity to receive college credit upon meeting university requirements.</p> <p>University of Maryland Eastern Shore provides students with 6 credits in engineering for full 5 course pathway completion.</p>	Yes	<p>Students can earn transcribed Engineering Technology credit through the Rochester Institute of Technology for passing the end-of- course exam with a stanine score of 6/9 or better on any of the following PLTW courses: IED, POE, DE, CIM, and CEA.</p> <p>Students are also eligible to earn college credit from UMBC for ENES 100 by doing the following: Pass five of the PLTW Engineering Courses, including IED, POE, and EDD. Receive a Stanine score of 6/9 or better on the PLTW end of course exams, and submit the EDD portfolio to UMBC for review.</p> <p>University of Maryland Eastern Shore provides students with 6 credits in engineering for full 5 course pathway completion.</p> <p>Over 60 colleges and universities nation-wide award scholarships and/or college credit(s) upon completion.</p>

- Red POS have no CTE certification options meeting MSDE CCR qualifications available

1	2	3	4	5
#	Maryland CTE Programs of Study (POS) Offered in MCPS	All Industry or National Assessment Options for MCPS POS Offered in MCPS (CTE Value Added)	Does the Industry or National Assessment Offered by MCPS (column 3) meet MSDE CCR Qualification (column 5)?	All Industry or National Assessment Options Meeting MSDE CCR Qualification
31	Automotive Technology	ASE Student Certification – Brakes	Yes	Pass one of the following ASE Student Certification exams: <ul style="list-style-type: none"> · Suspension and Steering, · Brakes, · Electrical/ Electronic Systems, · Engine Performance, · Engine Repair, · Automatic Transmission/ Transaxle, · Manual Drive Train and Axles, OR · Heating and Air Conditioning. Developed by ASE in partnership with AYES, NATEF, and SkillsUSA Transcribed credit at CCBC, Montgomery College and Penn College of Technology
		ASE Student Certification – Electrical/Electronic Systems	Yes	
		ASE Student Certification – Engine Performance	Yes	
		ASE Student Certification – Heating and Air Conditioning	Yes	
		ASE Student Certification – Suspension/Steering	Yes	
		ASE Student Certification – Automatic Transmissions	Yes	
		ASE Student Certification – Maintenance and Light Repair	Yes	
		ASE Student Certification – Manual Drive Train and Axles	Yes	
		ASE Student Certification – Automobile Service Technology	Yes	
		Safety & Pollution Prevention (S/P2) – Mechanical Safety	No	
		Safety & Pollution Prevention (S/P2) – Mechanical P2	No	

• Red POS have no CTE certification options meeting MSDE CCR qualifications available

1	2	3	4	5
#	Maryland CTE Programs of Study (POS) Offered in MCPS	All Industry or National Assessment Options for MCPS POS Offered in MCPS (CTE Value Added)	Does the Industry or National Assessment Offered by MCPS (column 3) meet MSDE CCR Qualification (column 5)?	All Industry or National Assessment Options Meeting MSDE CCR Qualification
		SnapOn – multimeter certification	No	
32	Auto Body/Collision Repair Technician	ASE Student Certification – Mechanical and Electrical Components	Yes	Pass one of the following ASE Student Certification exams: <ul style="list-style-type: none"> · Painting and Refinishing OR · Structural Analysis and Damage Repair. · Non-structural Developed by ASE in partnership with AYES, NATEF, and SkillsUSA Transcribed credit available at Penn College of Technology
		ASE Student Certification – Non-Structural Analysis and Damage Repair	Yes	
		ASE Student Certification – Painting and Refinishing	Yes	
		ASE Student Certification – Structural Analysis and Damage Repair	Yes	
		Safety & Pollution Prevention (S/P2) – Collision Safety	No	
		Safety & Pollution Prevention (S/P2) – Collision P2	No	
33	Foundations of Automotive Technology	None	No	None
34	College and Career Research and Development	EverFi	No	None

- Red POS have no CTE certification options meeting MSDE CCR qualifications available