

CAREER AND TECHNOLOGY EDUCATION COMPLETER PROGRAMS

The following programs are MSDE-approved CTE completer programs. A completer program contains a minimum of four credits offered in a prescribed sequence in a program area. Upon graduation, students will be able to enter employment, register for an apprenticeship, earn industry certification, and/or attend a postsecondary school in order to earn a certificate or degree.

Maryland high schools are changing to better prepare every student for success after high school in higher education and challenging careers. The [Maryland Career Clusters](#) system directs students toward focused programs of study that make the high school experience more meaningful. Not unlike choosing a subject major in college, Career Clusters provide students an opportunity to select a field of interest while they are still in high school. They focus students and provide a variety of career options to pursue.

ALL CAREER CLUSTERS

Arts, Media, and Communication; Business Management and Finance; Construction and Development; Consumer Services, Hospitality, and Tourism; Environmental, Agricultural, and Natural Resources Systems; Health and Biosciences; Human Resource Services; Information Technology; Manufacturing, Engineering, and Technology; Transportation Technologies

CAREER RESEARCH AND DEVELOPMENT (CRD) COMPLETER

This four-credit CTE career completer program prepares students with the academic, technical, and workplace skills that will enable their further education and/or employment in a career field upon graduation from high school. The CRD program consists of two in-school courses, a portfolio development project, and a mentored workplace experience. Students who successfully complete the program may earn three articulated college credits with CCBC. *Fees may be required.*

Below is a sample of how the courses may be offered. ***Please see your school counselor for a possible course of study:***

	Introduction to Career Research and Development	Advanced Career Research and Development	CRD Work-Based Learning Experience
Plan A	Grade 10	Grade 11	Grades 11 and/or 12
Plan B	Grade 11	Grade 12	Grade 12
Plan C	Grade 12	Grade 12	Grade 12

Introduction to Career Research and Development

Credits: 1

This course provides students with instruction in Maryland's Career Development Model, including career awareness and exploration. Students will begin a portfolio to document their career skills, interests, and preparation.

AND

Advanced Career Research and Development

Credits: 1

This course requires students to apply their career development knowledge to further their career preparation. The course explores all aspects of a career, including transitions, advancements, and job satisfaction. Students continue to develop their portfolios.

CRD Work-Based Learning Experience

Credits: 2

Prerequisite: Concurrent enrollment in Career Research and Development coursework; 16 years of age.

This course requires students to apply their career development knowledge to a work experience in a career area of their choice. Students' skill development is measured by an individualized learning plan. Some students may become registered as apprentices. The completer requires two credits of work-based learning.

ARTS, MEDIA, AND COMMUNICATION CLUSTER

Note: Program availability is limited; only students in the area or community of the high school or technical center are eligible. Magnet schools and programs require an application, usually by late November of the year prior to high school. Each school's guidance office should be contacted for enrollment, application, and course information.

COMMUNICATION AND BROADCAST TECHNOLOGY COMPLETER

This program prepares students to use and to maintain radio, audio, and video equipment through experiences in broadcast and audio/video production. Students will develop and expand their skills in communication, editing, technical and script writing, broadcasting, marketing, and promotion. Students will be prepared to pursue careers or to continue their studies on the postsecondary level. Successful completion of this program may earn articulated college credits with The Community College of Baltimore County (CCBC). *Fees may be required.*

GRAPHIC/PRINT COMMUNICATION TECHNOLOGY COMPLETER

The Graphic/Print Communication Technology program will provide students with the fundamental workplace, technical application, and interpersonal skills necessary to enter and to succeed in the diverse career area of graphic/print communications. Artistic expression, computer operations, graphics and imagery software applications (Adobe Illustrator, InDesign, Photoshop, and PageMaker), electronic publishing, mechanical art, digital photography, image assembly, offset and screen printing processes, and communication/teamwork skills will provide students with the knowledge needed to enter the workplace directly, to receive on-the-job training, and/or to seek postsecondary education. Partnerships with Printing & Graphics Association MidAtlantic and CCBC are available; national certification through PrintED may be obtained. Students who successfully complete the program may earn articulated college credits with CCBC. *Fees may be required.*

INTERACTIVE MEDIA PRODUCTION COMPLETER

This program provides students with experience in web site development, internet technology, computer graphics, digital media and entertainment production, and project management. Courses emphasize experimentation in a variety of media, using the computer to produce multimedia works of art. Students will develop skills in photo/video imagery, animation, non-linear video editing software, web page design, basic game development, and mobile/handheld application development. The program emphasizes the completion of a professional portfolio in the multimedia arts which can be used to apply for AP programs, art scholarship competitions, employment, and continuing education programs. Students who complete the program successfully may earn articulated college credits with CCBC. *Fees may be required.*

Below is a sample of how the courses may be offered. ***Please see your school counselor for specific courses of study at your school:***

COMPLETER PROGRAMS	GRADE 9	GRADE 10	GRADE 11	GRADE 12
Communication and Broadcast Technology		Broadcast Tech. 1	Broadcast Tech. 2	Broadcast Tech. 3 and 4 Optional Broadcast Tech CWE
Graphic/Print Communication		Graphic Comm. 1	Graphic Comm. 2	Graphic Comm. 3 and 4 Optional Graphic Comm. CWE
Interactive Media Production		Interactive Media 1	Interactive Media 2	Interactive Media 3 and 4 Optional Interactive Media CWE