

JSEP CTE and Post-Sec

Programs and Opportunities

Career and Technical Education

- Maryland CTE programs of study are statewide programs designed to prepare students for the global economy and gainful employment in the 21st century workforce.
- All 12 CTE program clusters recognized by the MSDE are aligned to nationally or state-recognized industry and academic standards.
- CTE programs are designed to support students in making decisions about education and career options.
- JSEP's CTE program of study is **Career Research and Development.**

Career and Technical Education

- **Career Research and Development (CRD)** is a MSDE approved CTE program designed to:
 - Promoting self-awareness
 - Identifying personal interests, skills, and aptitudes.
 - Connect school performance and career choices.
 - Encourage a positive attitude toward work.
 - Prepare students to evaluate their skills and plan for education and training post-graduation.
 - Critical thinking
 - Effective communication
 - Adapting to technological changes
 - Teamwork

Career and Technical Education

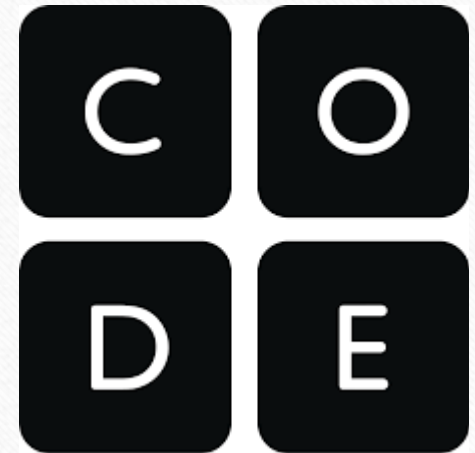
CRD Program Structure

- Three Course Sequence

- **CRD I - Career Research and Development (Fall Semester)**
 - (Focuses on self-awareness, career awareness, and exploration using Maryland's Career Development Model and Career Clusters).
- **CRD II - Career Development, Preparation and Transition (Spring Semester)**
 - (Emphasizes career preparation, work-based learning (WBL), and planning for post-high school education and employment).
- **CRD III - Work-based Learning (WBL) Experience**
 - (Students participate in supervised, mentored work experiences aligned with career interests and complete a portfolio).

Career and Technical Education

- Additionally, CTE teachers across the state teach two (2) **technology education courses** to fulfill MSDE graduation requirements.
 - Foundations of Technology (ITEEA) – Spring Semester
 - Foundations of Computer Sciences (CODE.org) - Semester



Post-Secondary Opportunities

- JSEP students who graduate via traditional means or complete their GED have numerous post-secondary options.

- Community College

- (Both credit bearing and workforce development)

- Anne Arundel Community College
- Baltimore City Community College
- Community College of Baltimore County
- Frederick Community College
- Garrett Community College
- Allegany College of Maryland
- Wor-Wic Community College



- 4-Year University

- Bowie State University
- Univ. Maryland Eastern Shore



Post-Secondary Opportunities (Cont.)

- **C-TECH** is a cabling technology program that focuses on equipping students with practical, hands-on skills in fiber optics, telecommunications, audio/video and security systems.
- **Transfr VR** is a platform uses virtual reality (VR) platform that delivers hands-on job training and workforce development by enabling learners to practice technical skills in a safe and immersive setting.



Post-Secondary Opportunities (Cont.)

- **Skill Cat** is an online platform that provides virtual training for skilled trades, including HVAC, plumbing, electrical, and other technical fields that bridges the gap by offering interactive, self-paced courses.
- **Conover MECA** is a training platform designed to support workforce development and focuses on skill development in areas like vocational training, life skills, and workplace behavior.



Post-Secondary Opportunities (Cont.)

- **Forklift-Simulator** is VR-based forklift training platform that enables students to practice in realistic scenarios without risks or damage. It's used by major companies to train and screen operators.
- **Audio Production and Podcasting** is a mini course designed to teach students how to develop, record and edit podcasting content.



Post-Secondary Opportunities (Cont.)

- Miscellaneous Certification
 - OSHA 10/30
 - ServSafe (Food Handler and Manager)
 - CPR
 - Flagger



Post-Secondary Opportunities (Cont.)

- Coming in 2025
 - Heavy equipment simulator
 - Z Space (augmented reality)
- Robolink (programmable drones)
 - VR Welding Simulator
 - Edison robots