



# NAVIGATING YOUR FUTURE

FOR HIGH SCHOOL STUDENTS

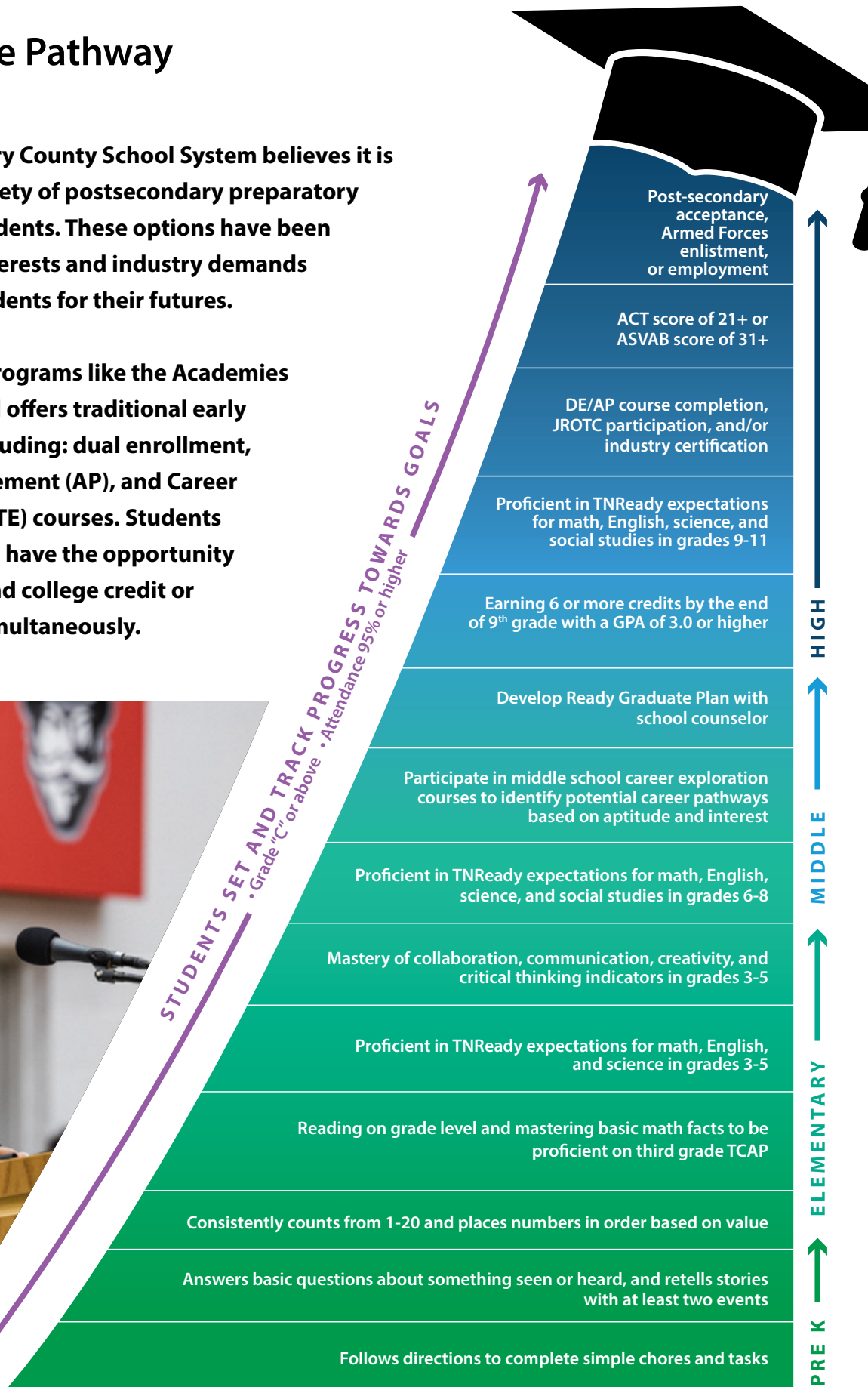




# Ready Graduate Pathway

The Clarksville-Montgomery County School System believes it is important to provide a variety of postsecondary preparatory options for high school students. These options have been aligned to both student interests and industry demands in order to prepare our students for their futures.

In addition to innovative programs like the Academies of CMCSS, each high school offers traditional early postsecondary options including: dual enrollment, dual credit, Advanced Placement (AP), and Career and Technical Education (CTE) courses. Students who take these courses will have the opportunity to earn both high school and college credit or an industry certification simultaneously.



## STUDENTS BUILD FOUNDATIONAL SUCCESS SKILLS PK-12

- Understand & manage emotions • Feel & show empathy for others
- Establish & maintain positive relationships • Make responsible decisions

## What does it mean to be a Ready Graduate?

The vision of CMCSS is all students will graduate college and career ready. As students progress through their academic careers, they are exposed to courses, tests, and opportunities to prepare them for the next phase of the journey.

CMCSS students can explore a wide variety of interests while immersed in rigorous academic and technical instruction. As early as elementary school, students are set on a path to prepare them for college, career, and life.

The Tennessee Department of Education Ready Graduate indicator is a statewide accountability measurement.

In addition to earning 22 specific course credits, a student must meet one of the following criteria to be considered a Ready Graduate:

- *ACT composite score of 21+*
- *earn 4 EPSO credits*
- *earn 2 EPSO credits and an industry certification*
- *earn 2 EPSO credits and a 31+ on the ASVAB (Armed Services Vocational Aptitude Battery/Assessment)*

## Ready Graduate Indicators

**21+  
ACT**

**4  
EPSOs**

**2 EPSOs  
& INDUSTRY  
CERTIFICATION**

**2 EPSOs  
& 31+  
ASVAB**

**Tennessee High School Graduation Requirements  
Total Credits Needed to Graduate: 22**

*\*Early Postsecondary Opportunities (EPSOs) and Career and Technical Education pathways with industry certifications vary by school. Students should connect with their school counselor to understand the opportunities available.*

**To learn more about the Ready Graduate pathway, visit [cmcss.net/readygraduate](https://cmcss.net/readygraduate). For full details on graduation requirements, speak to your counselor.**







# Tennessee Graduation Requirements

High school students are required to complete a minimum of 22 specified credits, plus computer science if not substituted for other courses*		
Subjects	Total Credits	Minimum Course Requirements
English	4	English I English II English III English IV
Math	4	Algebra I Geometry Algebra II At least one additional math course beyond Algebra II
Science	3	Biology Chemistry or Physics One additional lab science credit
Social Studies	3.5	World History and Geography US History and Geography Economics (0.5 credit) U.S. Government and Civics (0.5 credit) Personal Finance (0.5 credit)
Wellness/PE	1.5	Lifetime Wellness Physical Education (0.5 credit)
World Language	2	2 consecutive years of the same language
Fine Art	1	1 course in Art, Music, or Theater
Focused Elective Group	3	Options vary by high school

\* Possible Computer Science Substitutions: 3rd Year Science, 4th Year Math or CTE Courses within the IT Pathway

#### JROTC Course Substitutions (for students not choosing JROTC as their Focused Elective Group)

- JROTC (1 year) = Lifetime Wellness (1 credit)
- JROTC (2 years) = Lifetime Wellness (1 credit) and P.E. (1 credit)
- JROTC (3 years) = Lifetime Wellness (1 credit), P.E. (1 credit), U.S. Government and Civics (.5 credit), and Personal Finance (.5 credit)

High school students are required to take two national assessments.	
ACT	Completed in the spring of 11th grade
Citizenship Test	Completed in U.S. Government and Civics or in JROTC II

For more details visit [cmcss.net/readygraduate](http://cmcss.net/readygraduate)






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# Focused Elective Group Options

Focused Elective Group (FEG): a sequence of courses preparing students for post-secondary opportunities after high school. FEG courses must be in addition to other courses required for graduation. Students must speak with their school counselor for required courses, focused elective group options, and course schedule.


ACADEMIC	FINE ART
<p>English Math Science Social Studies World Language Advanced Courses*</p> <p><b>*Dual Enrollment, Statewide Dual Credit, and/or Advanced Placement (AP)</b></p>	<p>Art Music Theatre</p>
	<p> <b>AVID</b> <i>(Advancement Via Individual Determination)</i></p>
	<p><b>KHS, NWHS, WCHS Only</b> <i>Applications Required</i></p>

## CAREER & TECHNICAL EDUCATION


### Clarksville High School

-  Business Management
-  Marketing Management
- Cosmetology
- Dietetics & Nutrition
- Environ. & Natural Resource Mgt.
- Mechatronics
- Supply Chain Management
- Leadership in Government (JROTC)

### Kenwood High School

-  Advanced STEM Applications
- Audio/Visual Production
- Barbering
- Cosmetology
- Criminal Justice & Correction Services
- Diagnostic Services
- Marketing Management
- Mechanical, Electrical, & Plumbing (HVAC)
- Leadership in Government (JROTC)

### Kirkwood High School

-  Supply Chain Management
- Audio/Visual Production
- Automotive Maint. & Light Repair (MLR)
- Educational Therapy & Support
- Mechatronics
- Sport & Human Performance
- Web Design
- Leadership in Government (JROTC)

### Montgomery Central High School

-  Horticulture Science
-  Veterinary & Animal Science
- Early Childhood Education
- Office Management
- Structural Systems
- Therapeutic Services
- Leadership in Government (JROTC)

### Northeast High School

-  Technology
- Coding
- Cosmetology
- Criminal Justice & Correction Services
- Mechanical, Electrical, & Plumbing (ELEC.)
- Marketing Management
- Structural Systems
- Therapeutic Services
- Leadership in Government (JROTC)



### Northwest High School

-  Emergency Services
-  Nursing Services
-  Therapeutic Services
- Automotive Collision Repair
- Automotive Maint. & Light Repair (MLR)
- Business Management
- Criminal Justice & Correction Services
- Culinary Arts
- Food Science
- Supply Chain Management
- Veterinary & Animal Science
- Leadership in Government (JROTC)

### Rossvie High School

-  Digital Arts & Design
- Aviation Flight
- Business Management
- Culinary Arts
- Cybersecurity
- Fire Management Services
- Nursing Services
- Sport & Human Performance
- Structural Systems
- Leadership in Government (JROTC)

### West Creek High School

-  Criminal Justice
-  Teaching as a Profession (K-12)
- Audio/Visual Production
- Aviation Flight
- Business Management
- Marketing Management
- Structural Systems
- Therapeutic Services
- Leadership in Government (JROTC)

### CMCSS K-12 Virtual

Coding

# Academies of CMCSS

The Academies of CMCSS are small learning communities within a larger school, whose core and elective classes are aligned around a common career interest. Academy students share many of the same teachers, allowing educators to collaborate in the coordination of lesson planning and classroom activities that align to the academy theme.

Academies allow for problem-based learning opportunities and real-world work experiences, which can help to improve students' career and college readiness through the integration of subject standards and the addition of a hands-on element to their coursework. Academies partner with local employers and institutions of higher education to help develop curricula, provide guest speakers, and create relevant experiences for students. Many college and career academies also provide certifications and dual enrollment options to upperclassmen. Incoming high school freshmen will have the opportunity to apply to any of the nine different college and career academies across the district. Pathway choices for each of the academies are listed below.



## **Academy of Business and Marketing (Clarksville HS)**

- Business Management
- Marketing Management



## **STEM Academy (Kenwood HS)**

- STEM Education



## **Supply Chain Management Academy (Kirkwood HS)**

- Supply Chain Management



## **Academy of Plant and Animal Sciences (Montgomery Central HS)**

- Horticulture Production
- Veterinary and Animal Science



## **Computer Information Technology Academy (Northeast HS)**

- Technology



## **Health Science Academy (Northwest HS)**

- Nursing Services
- Emergency Services
- Therapeutic Services



## **Academy of Media Arts and Technology (Rossview HS)**

- Digital Arts and Design



## **Academy of Law and Criminal Justice (West Creek HS)**

- Criminal Justice and Correction Services



## **Academy of Teaching and Learning (West Creek HS)**

- Teaching as a Profession K-12



Please visit [cmcss.net/academies](http://cmcss.net/academies) for more information or to submit an application.





## UNDERSTANDING EARLY POSTSECONDARY OPPORTUNITIES (EPSOS)

**Early Post-Secondary Opportunities (EPSOs)** allow students to obtain postsecondary credit while still in high school. EPSO offerings vary by school, but the basic descriptions are listed below.

**Advanced Placement (AP)** is a rigorous academic program that provides willing and academically prepared high school students with the opportunity to study and learn at the college level. Each AP course is based on a national curriculum that is aligned to the standards of a comparable college course, and college and university faculty play a vital role in ensuring that AP courses align with college-level standards. AP courses culminate with AP exams developed and scored by college and university faculty members and experienced AP teachers. AP Exams are essential to the AP experience, enabling students to demonstrate their mastery of college-level coursework. Strong performance on AP Exams is rewarded by colleges and universities worldwide, granting students credit, placement, or both on the basis of qualifying AP Exam scores.

**Dual Enrollment (DE)** is a college course option, taught either on a college or university campus or at the high school by college or university professors. Participation in dual enrollment courses will allow students to earn high school and college credits simultaneously. The curriculum and materials utilized in each dual enrollment course are determined by the university from which the credit is offered. Students who meet the eligibility and participation requirements for the Dual Enrollment Grant can take a limited number of courses free of charge. Students must qualify for enrollment at the partnering institution in order to register for a dual enrollment course.

**Local Dual Credit (LDC)** options allow high school teachers to align their courses to those offered at a partnering postsecondary institution. At the end of an LDC course, students who take and pass an exam designed by the postsecondary institution will earn credit recognized by the college or university that created the exam.

**Statewide Dual Credit (SDC)** options are college-level courses developed at the state level by high school and college faculty. Students who meet a specified cut score on the challenge exam given at the end of each SDC course will be granted equivalent credit at any public postsecondary institution in Tennessee.

## INDUSTRY CERTIFICATIONS

**Career Technical Education (CTE)** does more than simply prepare students for careers; it provides students with an opportunity to develop the specific academic, technical, and professional skills necessary to be successful in a career and life. Rigorous course standards have been intentionally chosen to design CTE programs of study aligned to industry expectations. Students engage in pathway-relevant content through experiences such as career and technical student organizations (CTSOs), EPSOs, work-based learning courses, and industry certifications.

**Industry Certifications** can be earned through exams aligned to some secondary and postsecondary career and technical education pathways. Through the earning of industry certifications, students can showcase content and use of technology or equipment, solve industry aligned problems, meaningfully interact with industry professionals, and produce industry-specific outcomes.

## NATIONAL ASSESSMENT OPTIONS

**ACT** - The ACT is an entrance exam many colleges and universities use to make admissions decisions. It is a multiple-choice test administered by ACT, Inc. The purpose of the ACT is to measure a high school student's readiness for college and to provide colleges with one common data point that can be used to compare all applicants.

**ASVAB** - The Armed Services Vocational Aptitude Battery (ASVAB) is a multiple choice test that assesses a student's ability to perform specific tasks and react to a range of different situations. ASVAB score results highlight a student's most effective work-related skills and can be used to explore more than 800 career opportunities, both within and outside of the US Defense Industry.











# Early Technical College AT TENNESSEE COLLEGE OF APPLIED TECHNOLOGY (TCAT)

Early Technical College at TCAT is a hybrid CMCSS high school open to junior and senior students that specializes in the technical training associated with high skill, high wage, and in-demand jobs. It provides a unique, hands-on learning experience that allows students a no-cost opportunity to work towards specialized post-secondary certificates while also earning the necessary high school credits for graduation.

Rigorous academic coursework is completed through an online platform led by Tennessee-certified instructors. Students participate in labs facilitated by TCAT instructors and internships aligned to classroom experiences in order to demonstrate competencies and earn industry recognized certificates in their chosen programs of study. Candidates must meet admission requirements to qualify.

## THE EARLY TECHNICAL COLLEGE HAS FIVE OPTIONS FOR STUDENTS:

### DIESEL POWERED EQUIPMENT TECHNOLOGY

This program provides practical experience in the repair and maintenance of diesel powered equipment. Students receive instruction in troubleshooting, engine analysis, disassembling engines, replacing defective parts, reassembling, etc. The program's mission is to provide technical instruction and skill development that will enable students to enter employment in truck, construction, agricultural equipment, and other related fields as technicians.

### HEATING, AIR CONDITIONING, AND REFRIGERATION

Classroom and shop learning experiences include theory, application, and service of air conditioning and refrigeration equipment. Print reading, basic electronics, pneumatics, math, programmable controllers, refrigerant containment certification (EPA certification), and heat pump technology are basic components of this program. Upon completion, students will be prepared to enter jobs as service technicians in a variety of domestic, industrial, and commercial settings.

### INDUSTRIAL ELECTRICAL MAINTENANCE/ MECHATRONICS

This program includes classroom and hands-on experience in electronics, electrical, pneumatics, hydraulics, motor controls, programmable controllers, robotics, machine shop, and related math. Students completing this program will be prepared to perform in entry level positions within a typical industrial environment.

### PHARMACY TECHNOLOGY

Students will be prepared to work as pharmacy technicians in healthcare settings. Instruction includes anatomy and physiology, medical terminology, pharmacy math, and other courses along with supervised clinical training. Pharmacy technicians prepare medications under the direction of a pharmacist, and may measure, mix, count, label, and record amounts of medication dosages according to prescription orders.

### MACHINE TOOL TECHNOLOGY

Machine tooling is the process of designing, cutting, shaping, and forming materials such as aluminum and steel. Skills developed through this program will include the set-up and operation of manual machining equipment such as, band saws, drill presses, lathes, milling machines, surface grinders, and tool and cutter grinders. They will also be able to interpret part prints and use computer aided drafting, computer aided manufacturing, and solid modeling software. Graduates of the Machine Tooling Technology program may choose to work as machine tool operators, machinist tool and die makers, industrial maintenance machinists or in related occupations.

## EARLY TECHNICAL COLLEGE ADMISSION REQUIREMENTS:

-  Clarksville-Montgomery County Resident
-  2.0 GPA or higher
-  Maturity for a college environment
-  Good attendance and behavior
-  On track to graduate







# Middle College AT AUSTIN PEAY STATE UNIVERSITY

Middle College is a unique collaborative program between CMCSS and Austin Peay State University. This program enables junior and senior high school students to obtain a high school education while concurrently receiving direct and invaluable access to free college courses. Through grants and scholarships, Middle College students are not required to pay tuition nor do they incur the expense of college textbooks. School system transportation is not provided for students who attend Middle College. Middle College was designated as a 2023 National Blue Ribbon School.

## MIDDLE COLLEGE ADMISSIONS REQUIREMENTS:



Clarksville-Montgomery County Resident



2.85 GPA or 19 ACT composite score



Maturity for the college environment



Good attendance and behavior



On track to graduate



TN Resident for one year (military exemptions considered)

## MIDDLE COLLEGE HAS THREE OPTIONS FOR STUDENTS:

### TRANSITIONAL MIDDLE COLLEGE PATHWAY

- Students who complete both their junior and senior years in the transitional pathway will earn a maximum of 30 hours of college credit.
- JUNIORS will be required to take one to two college classes per semester.
- SENIORS will be required to take two to three college classes per semester.

### FINE ARTS PATHWAY

- Students who complete both their junior and senior years in the fine arts pathway will earn a maximum of 30 hours of college credit with a focused elective in fine arts: music, visual arts, theatre, or dance.
- JUNIORS will be required to take one to two college classes per semester.
- SENIORS will be required to take two to three college classes per semester.



### ASSOCIATE DEGREE PATHWAY

- Students who complete both their junior and senior years as Associate Degree Pathway students will earn both a CMCSS high school diploma and an APSU Associate Degree.
- Students accepted into this pathway will be required to take classes during the summers between their sophomore-junior year and junior-senior year.
- Placement in this pathway is limited.



MIDDLE COLLEGE  
at Austin Peay State University

For more information, visit [middlecollege.cmcss.net](http://middlecollege.cmcss.net).





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