



Academic Catalog

2018-2019

This online version is the official version of the catalog.

CMCSS Academic Catalog 2018-2019

School Counseling Program.....	iii
Graduation Requirements	iv
Testing Requirements.....	v
ACT Readiness Benchmark Scores	v
Diploma Types.....	v
Grading Scale and Credit Policy.....	vi
Early Post Secondary Opportunities.....	vii
Weighting of AP, Honors, & College Courses.....	vii
Class Ranking.....	vii
Selection of Valedictorian.....	vii
Graduation Participation.....	vii
Classification of Students.....	vii
Credit Recovery, Virtual High School & Summer School.....	vii
Focused Elective Groups.....	viii-xi
CMCSS Career Academies.....	xii
Middle College at Austin Peay State University.....	xii
Middle College at Tennessee College of Applied Technology.....	xii
Athletic Eligibility.....	xiii
Special Transfers.....	xiii
Tennessee Education Lottery Scholarship Program.....	xiii
Tennessee Scholars Program.....	xiii
Volunteer Recognition Policy.....	xiii
Honors and AP Course Information.....	xiv-xv
Course Descriptions for Your High School.....	Section 2

School Counseling Program

High school counselors have compiled this information to assist you on your path to high school graduation and beyond. The CMCSS School counseling program follows the TN School Counseling guidelines. <http://tn.gov/education/topic/school-counseling>

CMCSS Mission

Our mission is to educate and empower students to reach their potential.

School Counseling Mission

The mission of the CMCSS School Counseling program is to provide the academic, emotional, and career support that will allow our students to reach their potential.

Vision

Our vision is that each and every one of our students is a successful and productive citizen in our ever-changing society. Students have the necessary skills to reach their highest potential and make a difference in their local community and the global community

Beliefs

All students are individuals with unique qualities that should be celebrated and developed.

All students can be successful if given the correct support and resources.

All students have the right to a safe, nurturing environment that supports their needs.

All counselors believe that all students have the ability to achieve success.

All counselors will advocate for every student.

All counselors will follow the ASCA Ethical Standards for School Counselors

School Counseling Office Services

Each high school has professional school counselors who provide the following services:

- Individual and group counseling to help students with educational planning, social development, and school or personal concerns
- Information on colleges, careers, scholarships, and financial aid opportunities
- Registration, orientation, and placement of students
- Career and vocational counseling
- Assistance to students, parents, teachers, and agencies concerning students and programs
- Provide information about community agencies and programs
- Additional community services may be provided at some schools (i.e. - Centerstone, Military Family Life Consultants, AdviseTN College Advisors, and Behavior Intervention Specialists)

TENNESSEE GRADUATION REQUIREMENTS

Students are required to complete a minimum of 22 specified credits.

The state of Tennessee allows four years and a summer for students to complete their high school graduation requirements.

Core Course Requirements

Courses	Credits	Minimum Requirements
English	4	<ul style="list-style-type: none"> •English I •English II •English III •English IV
Math	4	<ul style="list-style-type: none"> •Tennessee students are required to be enrolled in a math course each year of high school. •Algebra I, Geometry, Algebra II •At least one additional math course beyond Algebra II
Science	3	<ul style="list-style-type: none"> •Biology •Chemistry or Physics •One additional lab science credit
Social Studies	3.5	<ul style="list-style-type: none"> •World History and Geography •US History and Geography •Economics (.5 credit) •US Government and Civics (.5 credit) •Personal Finance (.5 credit)
Wellness/PE	1.5	<ul style="list-style-type: none"> •Lifetime Wellness •Physical Education (May substitute 66 hours of documented participation in a CMCSS school-sponsored, after-school physical activity for this requirement.)

Additional Requirements

Courses	Credits	Minimum Requirements
Foreign Language	2	2 years of the same language
Fine Art	1	From Art, Music, or Theater selections
Focused Electives	3	From CMCSS approved list – See Chart (page iv)

Assessments	Requirement
ACT	Completed in the spring of 11 th grade
Citizenship Test	Completed in US Government & Civics or JROTC II

NOTES:

Each credit requirement may be met only once. Taking a subsequent course that meets the same requirement is considered an “audit” and is not counted for credit or calculated in the GPA.

Credited core courses taken prior to 9th grade may count only as **elective** credit. In these cases, students would be required to take additional courses in high school from that subject area.

Alternate Graduation Contract

The **Fine Art and Foreign Language Requirements** may be waived for students who are sure they are not attending a university immediately after graduation. These credits will be replaced with 3 **additional** focused elective courses (6 total) to prepare the student for his/her career choice. Parents and students will meet with the counselor to develop and sign this Alternate Graduation Contract **before** those requirements may be waived.

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

JROTC (2 years) = Lifetime Wellness (1 credit) and PE (.5 credit)

JROTC (3 years) = US Government and Civics (.5 credit) and Personal Finance (.5 credit)

Testing Requirements

Final Examinations

Examinations shall be given at the end of each semester and shall be required of all students with one exception: *A student will be exempt from a second semester course examination provided the student has a 93% or higher for each 9 week grading period during the second semester and the course is a full year class. NO students will be exempt from state end-of-course exams. All students enrolled in a one-semester course must take a final examination. Exams will be given on scheduled days only. NO early exams will be given. Please note that in compliance with the Military Interstate Compact, military families who have current PCS orders that conflict with the exam schedule may request an exception from the principal. Valid military orders must be presented.

TN Ready Examinations

TN Ready examinations are currently given in English I, English II, English III, Algebra I, Geometry, Algebra II, U.S. History, Biology, and Chemistry. Further, the results of these examinations will be factored into the student's second semester grade at 15% as determined by the State Board of Education in accordance with T.C.A. 49-1-302 (2).

The student is not required to pass any single examination, but instead the student would need to achieve a passing score for the final course average in accordance with the State Board of Education's uniform grading policy.

Course without a TN Ready exam:

- Count each 9-week grade 40% and the school exam 20%
- When student is exempt from 2nd semester exam, count each 9-week grade 50%. Students are exempt if they earned an A for N3 and an A for N4 in a year long course.

Course with a state TN Ready exam:

- 1st semester – each 9-week grade 40% and the school exam 20%
- 2nd semester -each 9 week grade 35%, TN Ready exam 15%, the school exam 15%
- When student is exempt from 2nd semester exam, count each 9 weeks 42.5% and TN Ready exam 15%

ACT's College and Workforce Readiness Benchmarks

ACT Benchmarks are minimum scores that indicate college and workforce readiness. Students meeting these minimum scores have a 50 percent chance of earning a B or better and a 75 percent chance of earning a C or better in the corresponding entry-level college course. Research also indicates that students meeting or exceeding the benchmarks are better prepared for success in the workforce. Students are encouraged to complete a **strong academic program** that will enable them to meet or exceed the ACT benchmark scores. While all students may not enter post-secondary education immediately following high school, they must be prepared for post-secondary training and lifelong learning.

ACT Readiness Benchmark Scores

Subject Test	ACT (11th)
English	18
Mathematics	22
Reading	22
Science	23

*Students are required to meet all of the ACT readiness benchmark scores to graduate with an Honors or Highest Honors diploma, per state policy.

**ACT may periodically adjust benchmark scores to reflect changes in college and career readiness requirements.

Diploma Types

Regular – Will be awarded to students who earn the specified 22 units of credit and have satisfactory records of attendance and conduct. This includes students with an individual education plan who have earned their specified 22 units of credit.

Honors - All requirements for a Regular Diploma must be fulfilled plus an 85% cumulative percent average with no semester grade lower than a 75 and score at or above ALL of the subject area readiness benchmarks on the ACT or equivalent score on the SAT. (SAT score requirements are 1070 total with Evidence-Based Reading and Writing subscore minimum of 480 and Math subscore minimum of 530. Students cannot mix and match college placement scores. They must use one test or the other to meet all benchmarks.)

Highest Honors – All requirements for an Honors Diploma must be fulfilled plus a 90% cumulative percent average with no semester grade lower than a 75 and complete the courses below:

- Four English to include a minimum of honors levels or above in 10th, 11th, and 12th
 - One of the math credits must be earned in a course above the Algebra II/Geometry level. (While Bridge Math does include some standards above the level of Algebra II, it does not meet the requirement for a Highest Honors diploma.)
 - Three high school science courses to include Biology I and two of the following: Chemistry, Physics, Anatomy & Physiology, or any AP Science course.
 - Two years of the same foreign language
 - Two Advanced Placement classes* (one must be from core - English, math, science, social studies)
- *A technical licensing course that meets honors criteria may substitute for a non-core AP course.

NOTE: For the purposes of senior ranking and diploma types for Honors or Highest Honors qualified students, ACT benchmark scores must be received by the school prior to the end of Semester 1 for the ranking process and prior to the final day of regularly scheduled classes for the final diploma type. Students should plan accordingly to take the ACT well in advance so the school receives scores in a timely manner.

Special Education Diploma – A special education diploma will be awarded to students with an individual education plan (IEP) who have met the requirements of their IEP but have not completed the specified 22 credits required to earn a regular diploma.

Occupational Diploma – An occupational diploma will be awarded to students with an individual education plan (IEP) who have met the requirements of the SKEMA and completed 2 years of work experience.

Graduating with Distinction

Students earning diplomas will be recognized on the graduation program as graduating with distinction by attaining an 85% cumulative average and completing at least one of the following:

- Earn a nationally recognized industry certification
- Participate in at least one of the Governor’s Schools
- Participate in one of the state’s All State musical organizations
- Be selected as a National Merit Finalist or Semi-Finalist
- Attain a score of 31 or higher composite score on the ACT
- Attain a score of 3 or higher on at least two Advanced Placement exams (Students who have taken a minimum of 2 AP courses but who have not received final scores yet will be indicated as “pending.”)
- Successfully complete the International Baccalaureate Diploma Programme
- Earn 12 or more semester hours of transcribed postsecondary credit

Grading and Credit Policies

The Clarksville-Montgomery County School System adheres to the State’s Uniform grading policy as per State Board of Education (April 15, 2005 per Public Chapter 679).

Tennessee Uniform Grading Scale

<u>Letter</u>	<u>Percent</u>	<u>Points</u>
A	93-100	4
B	85-92	3
C	75-84	2
D	70-74	1
F	69 and below	0

Transfer Grade Conversion

It is the intent of the district to attain the numerical grade from a transfer school or post secondary institution. When the numerical grade is not provided, the following scale will be used to convert the letter grade that is provided:

- | | | | | |
|---------|---------|---------|---------|--------|
| A+ = 98 | B+ = 91 | C+ = 83 | D+ = 74 | F = 65 |
| A = 95 | B = 88 | C = 80 | D = 72 | |
| A- = 93 | B- = 85 | C- = 76 | D- = 70 | |

*In order to receive credit for a course, a student must receive a minimum grade of 70.

** Transfer percentage grades from out-of-district schools will be converted to the Tennessee Uniform Grading Scale for grade points as listed above.

All grades earned in high school courses are a permanent part of the high school transcript. Grades are never removed from transcripts.

Early Post Secondary Opportunities

Early Postsecondary Opportunities (EPSOs) provide students with the opportunity to earn college credit while in high school, develop the confidence and skills necessary for success in postsecondary, make informed postsecondary and career decisions, and decrease the time and cost of completing a certificate or degree. CMCSS opportunities include: Advanced Placement, joint or dual enrollment, capstone industry certifications, and statewide dual credit. Each high school offers a variety of opportunities. Juniors and Seniors who meet the college admissions requirements have the opportunity to begin post-secondary education. Please note that one semester of college is equal to one semester of high school credit. Dual enrollment students at public institutions may qualify for state dual-enrollment grants to help with the cost of tuition. <https://www.tn.gov/collegepays/article/dual-enrollment-grant>

Weighting AP, Honors, and College Courses

Weighting for Advanced Placement Courses

Five percentage points will be added to nine weeks grades (70 or above) in AP courses which follow the national AP guidelines, extend the state mandated curriculum with rigor, and meet five of the nine state recommended components for honors classes.

Weighting for Honors Courses and National Industry Certification

Three percentage points will be added to nine weeks and semester exam grades (70 or above) in honors courses and national industry certification preparation classes that extend the state-mandated curriculum with rigor and meet five of the nine state recommended components of honors classes.

Weighting for Dual Enrollment and State Dual Credit Courses

Four percentage points will be added to nine weeks grades (70 or above) in Post Secondary Dual Enrollment and State Sponsored Dual Credit courses in which the student takes the State Dual Credit Challenge Exam.

Class Ranking

Class rank is based on the student's **cumulative percent average**. In the interest of encouraging and recognizing outstanding academic achievement, ranking is based on the type of diploma earned with highest honors ranked first, honors second, and regular third (see p. xii for diploma type requirements). Class ranking is determined only after the first semester of the student's 12th grade year. This will be the student's official and final class rank. Students entering from home school for their senior year only will not be ranked.

Selection of Valedictorian

The selection of valedictorian shall be according to the following procedure:

1. The valedictorian shall be selected from the Highest Honors program and shall have the highest cumulative percent average. The numerical average shall be calculated at the end of the 1st semester of 12th grade. In case of a tie for valedictorian, co-valedictorians will be honored.
2. To be eligible for valedictorian, a student must be enrolled in CMCSS prior to and continuously following the tenth day of the student's senior year.
3. Foreign exchange students will not be considered.

Graduation Participation

Students must meet **ALL** graduation requirements **before** they may participate in the graduation ceremony. However, participation is not mandatory. Only CMCSS graduates may participate.

Classification of Students

Students are promoted at the end of each school year based on the following:

- One year attendance and 5 credits earned – classified as 10th grade
- Two years attendance and 10 credits earned - classified as 11th grade
- Three years attendance and 15 credits earned - classified as 12th grade
- Four years attendance and 22 required credits earned – classified as a graduate

Credits earned in Credit Recovery, Virtual High School (VHS), or Summer School

Credit Recovery, VHS, or Summer School courses are designed to assist credit deficient students at risk of not graduating in their four years of eligibility in high school. Since there is limited space in the program, VHS participation is determined by school level administration and is not open enrollment. Honors and AP courses are **not** available in the above-mentioned remedial programs. Students working toward a Highest Honors diploma should plan accordingly.

CMCSS Focused Elective Groups							
2018-2019							
ALL students must complete at least three (3) credits in one of the following Focused Elective Groups. (The FEG choice must be indicated in PowerSchool on the Modify Info page.)							
1. Science/Math	Students may complete 3 science and/or math credits other than those meeting core graduation requirements. High School science and math credits earned while in middle school may count toward this Focused Elective Group.						
2. Intervention	Students that take RTI each year can use those classes as a FEG.						
3. JROTC	Students may complete 3 credits in JROTC to meet the Focused Elective requirement. If this group is selected, students may NOT also use JROTC as core substitutions for Wellness, PE, Personal Finance, and US Government.						
4. Fine Arts	Students may take any combination of 3 Fine Arts credits (music, art, or theater) beyond the 1 credit already required for graduation.						
5. AP/Dual Enrollment	Students may take any combination of AP or dual enrollment college courses other than course credits already used for meeting core requirements. *NOTE: Students enrolled at the Middle College at APSU may earn dual enrollment credits that satisfy both core and focused elective credits. Please meet with the Middle College counselor for specific course information.						
6. Academic	Students may take 3 additional courses in the areas of English, math, science, social studies, and/or foreign language other than courses already used for meeting core requirements. Remedial level courses are not included.						
7. Business/ Computer	Transfer students may take any combination of 3 business and/or computer courses to complete this Focused Elective Group. This group is intended for students who have enrolled in more than one school and have difficulty completing a Career/Technical Program of Study.						
8. CTE Focus (Career Technical Program of Study)	Students may choose one of the Programs of Study <u>below</u> to complete their Focused Elective Group requirements. Program of Study courses must be taken in sequence as indicated in the chart below.						
			Students must plan to take these courses sequentially and not skip around in the Program of Study sequence				
Career Cluster	School(s) Offering Program of Study	Program of Study	Year 1	Year 2	Year 3	Year 4	Career Technical Student Organization
Advanced Manufacturing	CHS	Mechatronics	Principles of Manufacturing (5922)	Robotics and Automated Systems (6143)	Mechatronics I (6156)	Mechatronics II (6157)	TSA
			Industry Certification: Machining Level I - Measurement, Materials, and Safety Certification (NIMS)	Industry Certification: Fanuc		Industry Certification: Level I Semiens	
Agriculture, Food, and Natural Resources	MCHS Academy NWHS	Veterinary & Animal Science	Agriscience (5957)	Small Animal Science (5958)	Large Animal Science (6116)	Veterinary Science (Not offered at MCHS Academy) (5961)	FFA
						Certification: TN Specific Industry Certification Animal Science	
	CHS MCHS Academy	Horticulture Science	Agriscience (5957)	Principles of Plant Science and Hydroculture (6119)	Greenhouse Management (5954)	Landscaping and Turf Science (Not offered at MCHS Academy)	FFA
						Industry Certification: Commercial Pesticide Certification	
			Supervised Agricultural Experience (5964)				
Architecture & Construction	MCHS NEHS RHS WCHS	Structural Systems	Fundamentals of Construction (6073)	Structural Systems I (6164)	Structural Systems II (6165) (2 Credits)	Career Practicum 6105	SKILLS USA
			Industry Certification: NCCER Core Curriculum OSHA 10	Industry Certification: NCCER Carpentry Level One	Industry Certification: NCCER Carpentry Level Two OSHA 30		
	KHS	Mechanical, Electrical, & Plumbing (MEP)	Fundamentals of Construction (6073)	MEP Systems (6161)	HVAC (6077)	Career Practicum 6105	SKILLS USA
			Industry Certification: NCCER Core Curriculum		Universal R-410A EPA Section 608 Universal		

Arts, Audio/Visual Technology & Communications	RHS Academy	Digital Arts & Design	Digital Arts & Design I (6084)	Digital Arts & Design II (6086)	Digital Arts & Design III (6087)	Career Practicum 6105	SKILLS USA
	KHS WCHS	Audio/Visual Production	A/V Production I (6049)	A/V Production II (6050)	A/V Production III (6083) (2 Credits)		SKILLS USA
	KHS	Fashion Design	Visual Art I (3501)	Foundations of Fashion Design (6120)	Fashion Design (6008)	Advanced Fashion Design (6009)	FCCLA
Business Management & Administration	CHS Academy NWHS RHS	Business Management	Introduction to Business & Marketing (5905)	Business Communications (5888) and/or Accounting I (5910)	Business Management (5889)	Entrepreneurship Practicum (6159) and/or Virtual Enterprise International (5900)	FBLA
	CHS MCHS NEHS	Office Management	Computer Applications (5891)	Business Communications (5888)	Business Management (5889)	Advanced Computer Applications (5904) Industry Certification: Microsoft Office Specialist: (Excel) (PowerPoint) (Word) Microsoft Office Expert Microsoft Officer Master	FBLA
Education & Training	CHS NWHS	Teaching as a Profession (K-12)	Fundamentals of Education (6123)	Teaching as a Profession I (6010)	Teaching as a Profession II (6125)	Teaching as a Profession III (6126)	FCCLA
Finance	RHS	Accounting	Introduction to Business & Marketing (5905)	Accounting I (5910)	Accounting II (5911)	Statistics (3136) or AP Statistics (3129)	FBLA
	CHS Academy	Banking & Finance	Introduction to Business & Marketing (5905)	Accounting I (5910)	Banking and Finance (5899)	Financial Planning (5890)	FBLA
Health Science	MCHS NWHS Academy	Nursing Services	Health Science Education (5998)	Anatomy and Physiology (3251 or 5991)	Medical Therapeutics (5999)	Nursing Education (6000) and Clinical Internship (5993)	HOSA
						Industry Certification: Certified Nursing Assistant (CNA)	
	NWHS Academy	Emergency Services	Health Science Education (5998)	Anatomy and Physiology (3251 or 5991)	Medical Therapeutics (5999)	Emergency Medical Services (5995) and Emergency Medical Services Practicum (6185)	HOSA
						Industry Certification: Emergency Medical Responder (First Responder)	
	WCHS	Therapeutic Services	Health Science Education (5998)	Anatomy and Physiology (3251 or 5991)	Dental Science (6134)	Clinical Internship (5993)	HOSA
	NEHS WCHS	Therapeutic Services	Health Science Education (5998)	Anatomy and Physiology (3251 or 5991)	Medical Therapeutics (5999)	Clinical Internship (5993)	HOSA
	KHS	Diagnostic Services	Health Science Education (5998)	Anatomy and Physiology (3251 or 5991)	Diagnostic Medicine (5994)	Industry Certification: Certified Clinical Medical Assist Cardiovascular Services (6131) And Clinical Internship (5993)	HOSA
					Industry Certification: Certified EKG Technician		

Hospitality & Tourism	RHS	Culinary Arts	Culinary Arts I (5979)	Culinary Arts II (5980)	Culinary Arts III (5981)	Culinary Arts IV (6167)	FCCLA
					Industry Certification: ServSafe Food Manager		
Human Services	MCHS RHS WCHS	Social Health Services	Introduction to Human Studies (6137)	Lifespan Development (6013)	Family Studies (6136)	Human Services Practicum (6138)	FCCLA
					Industry Certification: Tennessee Specific Industry Certification for Social Health Services		
	CHS NEHS NWHS	Cosmetology	Cosmetology I (5983)	Cosmetology II (5986)	Cosmetology III (5984)	Cosmetology IV (6179)	SKILLS USA
Information Technology	RHS	Web Design	Computer Science Foundations (6095)	Web Design Foundations (6100)	Web Site Development (6101)	Web Design Practicum (6171)	SKILLS USA
			Industry Certification: CompTIA IT Fundamentals		Industry Certification: CIW Web Design Specialist		
	NEHS Academy WCHS	Cybersecurity	Computer Science Foundations (6095)	Cybersecurity I (6175)	Cybersecurity II (6176)	Career Practicum (6105) Or AP Computer Science (3635)	TSA
			Industry Certification: CompTIA IT Fundamentals		Industry Certification: CompTIA Security+		
		Coding	Computer Science Foundations (6095)	Coding I (6098)	Coding II (6099)	Coding Practicum (5908) and/or Dual Enrollment Coding (4113)	
Industry Certification: CompTIA IT Fundamentals			Industry Certification: Microsoft Technology Associate Software Development Associate				
Law, Public Safety, Corrections, & Security	KHS NEHS NWHS WCHS Academy	Law Enforcement Services	Criminal Justice I (5987)	Criminal Justice II (5988)	Criminal Justice III: Investigation (5989)	Criminal Justice Practicum (TBD)	SKILLS USA
Marketing	KHS	Marketing Management	Introduction to Business & Marketing (5905)	Marketing and Management I: Principles (5931)	Marketing and Management II: Advanced Strategies (5932)	Event Planning & Management (6168)	DECCA
	NWHS	Entrepreneurship	Introduction to Business & Marketing (5905)	Marketing and Management I: Principles (5931)	Entrepreneurship (5934)	Business & Entrepreneurship Practicum (6159) or Virtual Enterprise International (5900)	DECCA
STEM	NEHS Academy	Technology	Principles of Engineering and Technology (5924)	Digital Electronics (5925)	Robotics & Automated Systems (6143)	Engineering Practicum (6141)	TSA
	KHS Academy	STEM Education	STEM I: Foundation (6144)	STEM II: Applications (6145)	STEM III: STEM in Context (6146)	STEM IV: STEM Practicum (6147)	TSA
			STEM I: Foundation (6144)	STEM II: Applications (6145)	Dual Enrollment Mechatronics (4063)	Dual Enrollment Mechatronics (4063)	

Transportation, Distribution, & Logistics	NWHS	Automotive Maintenance & Light Repair	Maintenance and Light Repair I (5879)	Maintenance and Light Repair II (5880)	Maintenance and Light Repair III (5881)	Maintenance and Light Repair IV (5882)	SKILLS USA
						Industry Certification: Automotive Service Excellence Student Certification: Maintenance & Light Repair	
	NWHS	Automotive Collision Repair	Introduction to Collision Repair (6172)	Collision Repair: Non-Structural (6062)	Collision Repair: Painting & Refinishing (6063)	Collision Repair: Damage Analysis, Estimating, & Customer Service (6149)	
					Industry Certification for 6062: I-CAR Refinish Technician ProLevel 1 or I-CAR NonStructural Technician ProLevel 1 or Automotive Service Excellence Student Certification: Nonstructural Analysis/Repair Industry Certification for 6063: Automotive Service Excellence Student Certification: Painting and Refinishing Industry Certification for 6064: Automotive Service Excellence Student Certification: Structural Analysis/Repair		

CMCSS Career Academies

Career Academies have been a part of each CMCSS high school since the 2013-14 school year. After careful study of student interests as well as local, regional, and national job trends, the following Academies were developed:

Clarksville High – Academy of Business and Finance

Kenwood High – STEM Academy (Science, Technology, Engineering, and Mathematics)

Montgomery Central High – Academy of Plant and Animal Systems

Northeast High – Academy of Computer and Information Technology

Northwest High – Academy of Health Science

Rossvie High – Academy of Media Arts and Technology

West Creek High – Academy of Criminal Justice and Homeland Security

In the spring as part of the high school registration process, CMCSS 8th graders will have the opportunity to apply for enrollment in one of the above Academies. If a student is enrolled in an Academy, the student will be able to remain at that school through all 4 years of high school. Students will be able to participate in all activities at that high school to include band, JROTC, athletics, clubs, etc. Students enrolled in an Academy will enjoy the advantage of curriculum integration between the academy focus and their academic courses making this small learning community an excellent educational opportunity. Should students decide to transfer back to the zoned high school, **transfers are only allowed at the end of a semester**. This protects the student from losing semester credits earned at the Academy that may not be available at the zoned school.

When space is available, students may be accepted into an Academy at the beginning of the 10th grade year, but students not entering an Academy until 10th grade may need to meet additional requirements to fulfill the Academy curriculum. Due to the nature of the specific Academy career focus, no new students will be accepted into the academy for 11th and 12th grades.

Please see more information at <http://www.cmcss.net/schools/academies.aspx>

Middle College at Austin Peay State University (APSU)

The Middle College at APSU is a unique collaborative program between the Clarksville-Montgomery County School System and APSU that enables junior and senior high school students throughout the district to obtain a quality high school education while concurrently receiving direct and invaluable access to college courses. The CMCSS Middle College at APSU opened in 2008. It is distinctive from other programs for students since they have the option of not only pursuing university credits but career technical credits as well. The Middle College at APSU is the integration of high school, college, and career training all set on a university campus.

Potential Middle College students may be characterized by any of the following: - Seeks intellectual stimulation found in a rigorous curriculum - Desires a more mature learning environment - Demonstrates the maturity to cope with the challenges and relative freedom of a college environment - Holds a sincere conviction in the importance of education, but does not value the co-curricular and extra-curricular activities of the traditional high school. Middle College will offer CMCSS juniors and seniors the opportunity to earn their high school diploma on a university campus.

In order to effectively address student performance/needs and determine which students could most benefit from the program, candidates must complete an Application for Admission. All students who have completed and/or enrolled in the 10th grade or higher at a Clarksville-Montgomery County School System school are eligible to apply for admission. In order to be considered for regular admission, students should have an ACT score of 20 or higher and/ or a GPA of 2.85. Students seeking a conditional admittance should have a GPA of 2.75 and/or an ACT score of 19. Applications are available on the school system website. Students who are accepted and enroll in the Middle College are expected to remain through a minimum of a full semester.

Unlike traditional dual enrollment, the Middle College is an accredited high school and students who attend Middle College have actually transferred from another accredited high school; thus, students who attend are no longer enrolled at their zoned high school and all diplomas will be conferred by the Middle College at Austin Peay State University.

Students and parents interested in obtaining additional information may contact the school at (931) 221-1350 or view the website under “Our Schools” at www.cmcss.net.

Middle College at Tennessee College of Applied Technology

The Middle College at TCAT offers junior and senior high school students a more independent learning environment that allows students to earn credits toward an industry certification or TCAT diploma which completing their high school diploma. Potential students will complete an application at the end of their 10th grade year. TCAT offers a variety of programs and serve as the premier suppliers of workforce development throughout the State of Tennessee. Interest students should make an appointment with their school counselor.

Athletic Eligibility

High School Eligibility – Tennessee Secondary Schools Athletic Association (TSSAA)

To be eligible to participate in high school athletics during any school year, the student must earn 5 credits the preceding school year. All credits must be earned by the first day of the beginning of the school year. Credits completed after school begins do NOT count toward that year's eligibility. Academic eligibility for a student is based on the number of credits required at the school the student was attending at the conclusion of the previous school year. Students that are ineligible at the beginning of first semester may become eligible on the first day of the second semester if a minimum of 5 credits is earned during first semester.

College Eligibility - National Collegiate Athletic Association (NCAA)

In order to practice and participate in intercollegiate athletic competition and/or receive an athletic scholarship the first year of college attendance, all athletes must be cleared through the NCAA. Information is provided at www.eligibilitycenter.org. NCAA, not high school coaches, athletic directors, or counselors, determines a student's eligibility for college sports. Please note:

- NCAA eligibility is based on GPA and credits earned in NCAA approved high school courses as well as ACT/SAT scores.
- The list of NCAA approved courses for each high school may be found on the NCAA website.
- Students must have their ACT or SAT scores sent directly from ACT or SAT to the NCAA. Use code number 9999 when registering for the ACT or SAT.
- New credit earned in an online setting may **NOT** be recognized by NCAA for eligibility. Future college athletes should plan to earn all credits in a regular classroom setting.

Special Transfer Requests

Several CTE programs are offered only at specific schools. Students in CMCSS may request to attend another high school if their desired Program of Study (POS) is not offered in the zoned school. The student/parent must complete a *Special Transfer Request* form to be considered. Special Transfer Request forms may be obtained in the spring from the counseling office at each high school and at the CMCSS Board of Education, 621 Gracey Avenue, Office of Student Services, (931) 648-5600. These forms must be turned in to the Office of Student Services between March 1 and April 30. Students granted a special transfer will be assigned to the new school for the entire day for the following year and are also responsible for providing their own transportation. In the event a program is full, the students zoned for the school where that program is offered will be given priority. Students/Parents must submit a Special Transfer Request each year that the student requests to attend other than his/her zoned school. Students whose Special Transfer Requests are granted are expected to maintain acceptable attendance, discipline, and academic progress. Special transfer requests can be revoked for failing to maintain these expectations. Additionally, students who are granted a special transfer to attend a school other than their zoned school will not be eligible to participate in athletics for a period of twelve (12) months from the date of first enrollment.

Tennessee Education Lottery Scholarship Program

HOPE

Currently, the HOPE scholarship requires either a minimum 21 composite ACT (980 SAT math and critical reasoning score) or 3.0 final cumulative GPA. Information regarding additional scholarships available through the lottery scholarship program is available at www.tn.gov/collegepays. Please check with the school counseling office or the Tennessee state website for the most current information concerning the available scholarships and requirements.

Tennessee Promise

Tennessee Promise is both a scholarship and mentoring program focused on increasing the number of students that pursue post secondary education in our state. Students must apply online by the deadline during the first semester of their senior year and meet the other TN Promise requirements. Full information including a list of eligible institutions is available at www.TNPromise.gov.

Tennessee Scholars

The Tennessee Scholars Program provides recognition to outstanding students who meet the challenging academic and community service requirements. Information including requirements, benefits, and applications are available at www.tennesseescholars.org. If you are interested in becoming a Tennessee Scholar, you should plan to begin meeting the requirements beginning with your 9th grade year. Students who qualify and submit their information to their school counselor will be recognized as a Tennessee Scholar in the graduation program and will receive a medallion to wear at graduation.

Volunteer Recognition Policy

Students completing 10 hours of volunteer service each semester beginning in 9th grade will be recognized at graduation by receiving a pin for their service. The hours must be compiled and turned into the school counseling office each semester of high school. <http://www.cmcss.net/iso/masterdocs/INS-P036.pdf>

High School Course Descriptions

Part two of the catalog provides the course descriptions for courses available at your school. Some of the courses listed are honors or AP (Advanced Placement) courses. Please refer to the information below for details about how an honors course or an AP course differs from its regular course counterpart.

Honors Courses

Honors courses in English, math, science, and social studies are available in each high school based on student interest. Individual schools determine enrollment in honors courses. Honors course descriptions are listed within the content areas in this document. The State of Tennessee defines honors courses as follows:

- Enrollment requirements for honors courses are established at each school. Students need to check with their counselor regarding those requirements.
- Honors courses will substantially exceed the content standards, learning expectations, and performance indicators approved by the State Board of Education.
- Independent study, self-directed research, and appropriate use of technology are used to maximize interchange of ideas among students.
- All honors courses must include multiple assessments.
- All honors courses include a minimum of five of the following components:
 - i. Extended reading assignments
 - ii. Research-based writing assignments
 - iii. Projects connected to relevant or real-world situations
 - iv. Open-ended investigations
 - v. Writing assignments that demonstrate a variety of modes, purposes, and styles
 - vi. Use of appropriate technology
 - vii. Deeper exploration of the culture, values, and history of the discipline
 - viii. Problem solving experiences
 - ix. Job shadowing experiences
- Each student with a passing average at the end of the nine weeks will be awarded a three-point increase in the nine weeks and semester exam for that honors course.

CMCSS forms INS-A021 and INS-A022 provide further detail about honors courses in our high schools. Any changes in those policies will impact the information published here on the effective date of said change.

Advanced Placement [AP] Courses

The following information is excerpted from the College Board's overview of its AP Program.

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. AP teachers help students develop and apply the skills, abilities, and content knowledge they will need later in college. Each AP course is modeled upon 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 college-level assessments developed and scored by college and university faculty members as well as experienced AP teachers. AP Exams are an essential part of the AP experience, enabling students to demonstrate their mastery of college-level course work. Strong performance on AP Exams is rewarded by colleges and universities worldwide, granting students credit, placement, or both on the basis of successful AP Exam scores.

<u>AP Exam Score</u>	<u>Description</u>	<u>College Grade Equivalent</u>
5	Extremely well qualified	A
4	Well qualified	A-, B+, B
3	Qualified	B-, C+, C
2	Possibly qualified	---
1	No recommendation	---

The State of Tennessee includes the following in its AP information:

- Enrollment requirements for AP courses are established at each school. Students need to check with their counselor regarding those requirements.
- Each student with a passing average at the end of each nine weeks will be awarded a five-percentage point increase for the quarter for that AP course.

Clarksville-Montgomery County School System explains Advanced Placement [AP] courses with further details in CMCSS forms INS-A021 and INS-A022. Any changes in those policies will impact the information published here on the effective date of said change.

Individual schools determine admission to AP courses. The rubric for selection includes standardized national test scores like PSAT, overall GPA, skills in reading and writing, teacher recommendations, etc. It is recommended that students entering the AP program be highly motivated, committed to the course, and understand the higher level of expectations.

Students enrolling in an AP course will remain in the course the full year and are required to take the national AP exam in the spring. Current AP test fees will apply. **The test fee is due no later than February 20th.** Students that do not pay by that date will not have a test ordered for them. Since the test is a requirement of the class, the AP distinction will be removed from the transcript for second semester.

As an incentive for CMCSS students, those earning a score of 3 or above on a scale of 1 – 5 will be reimbursed the amount they paid for their test. Reimbursements should be received no later than November 1 of the following school year. NOTE: AP Exams are administered in May according to a national schedule established by the College Board. CMCSS reimburses students who earn a score of 3 or higher on any AP exam if they are in the class or if the class is not offered or available. Additional information concerning the national Advanced Placement program may be found at www.collegeboard.org.

Middle College at Austin Peay State University- Course Offerings

LANGUAGE ARTS

ENGLISH III/ HONORS 3003HN

1 credit

Open to 11

English III continues the student's growth in all language arts skills with an increased emphasis on building sophistication and effective style in all forms of communication. Students will continue to practice literacy skills through an integrated model. . Specifically, students will read literature and informational text, practice academic writing, conduct research, engage in speaking and listening skills, and apply language skills. Students will closely read and analyze a variety of literary selections (short stories, novels, articles, essays, speeches, drama, and poetry) as well as informational texts (personal essays, speeches, opinion pieces, biographies, memoirs, etc.) and communicate this analysis through discussion, presentation, and writing tasks. Across all writing formats, students will develop a central idea, maintain a coherent focus in their writing, and elaborate the points they make with well-documented and relevant examples, facts, and details.

A state end-of-course exam is required at the end of the second semester. The score will count a percentage of the second semester grade as determined by the Tennessee State Board of Education.

The Honors English III course is based upon the same general description as English III. Every honors course expands upon the standard course, as described in the Honors Courses section on pages xiv-xv of this document.

ENGLISH IV/ HONORS 3005HN

1 credit

Open to 12

English IV shares the same standards as English III but significantly increases the rigor with which those standards are taught. Students will practice literacy skills through an integrated model. Specifically, students will read literature and informational text, practice academic writing, conduct research, engage in speaking and listening skills, and apply language skills. Students will closely read and analyze a variety of literary selections (short stories, novels, articles, essays, speeches, drama, and poetry) as well as informational texts (personal essays, speeches, opinion pieces, biographies, memoirs, etc.) and communicate this analysis through discussion, presentation, and writing tasks. Across all writing formats, students will develop a central idea, maintain a coherent focus in their writing, and elaborate the points they make with well-documented and relevant examples, facts, and details.

The Honors English IV course is based upon the same general description as English IV. Every honors course expands upon the standard course, as described in the Honors Courses section on pages xiv-xv of this document.

MATHEMATICS

ALGEBRA II 3103

1 credit

Open to 11

Prerequisites: Algebra I and Geometry

Algebra II emphasizes polynomial, rational and exponential expressions, equations, and functions. This course also introduces students to the complex number system, basic trigonometric functions, and foundational statistics skills such as interpretation of data and making statistical inferences. Students build upon previous knowledge to reason, solve, and represent equations and inequalities in multiple ways.

A state end-of-course exam is required at the end of the second semester. The score will count a percentage of the second semester grade as determined by the Tennessee State Board of Education.

PRECALCULUS 3126

1 credit

Open to 11, 12

Prerequisites: Algebra I, Geometry, and Algebra II

PreCalculus is designed to prepare students for college-level STEM focused courses. Students extend their knowledge of the complex number system to use complex numbers in polynomial identities and equations. Topics for student mastery include vectors and matrix quantities, sequences and series, parametric equations, and conic sections. Students use previous knowledge to continue progressing in their understanding of trigonometric functions and using regression equations to model quantitative data. Students enrolling in PreCalculus should have scored at least a 22 on the math sub-score of the ACT.

APPLIED MATHEMATICAL CONCEPTS

1 credit

Open to 12

Prerequisites: Algebra I, Geometry, and Algebra II

Applications and modeling using mathematics are the primary focus of this course. Areas of study include financial mathematics, linear programming, logic and Boolean algebra, data organization and interpretation, combinatorial reasoning, normal probability distribution, and confidence intervals.

SCIENCE

CHEMISTRY I 3221

1 credit

Open to 11, 12

Prerequisites: Physical science, Biology I, Algebra I

Chemistry I is a laboratory science course in which students investigate the composition of matter and the physical and chemical changes it undergoes. Students use science process skills to study the fundamental structure of atoms, the way atoms combine to form compounds, and the interactions between matter and energy. Students explore chemistry concepts through an inquiry-based approach. Embedded standards for Inquiry, Mathematics, and Technology & Engineering are taught in the context of the content standards for atomic structure, matter and energy, and interactions of matter.

A state end-of-course exam is required at the end of the second semester. The score will count a percentage of the second semester grade as determined by the Tennessee State Board of Education.

PHYSICS 3231

1 credit

Open to 11, 12

Prerequisites: Physical Science and minimum of Algebra II

Physics is a laboratory science course that examines the relationship between matter and energy and how they interact. This course will have a strong emphasis in the mathematics of physics. Students explore physics concepts through an inquiry approach. Embedded standards for Inquiry, Technology & Engineering, and Mathematics are taught in the context of the content standards for Mechanics, Thermodynamics, Waves and Sound, Light and Optics, Electricity and Magnetism and Atomic & Nuclear Science.

SOCIAL STUDIES

UNITED STATES HISTORY & GEOGRAPHY 3405

1 credit

Open to 11

Students will examine the causes and consequences of the Industrial Revolution and America's growing role in world diplomatic relations, including the Spanish-American War and World War I. Students will study the goals and accomplishments of the Progressive movement and the New Deal. Students will also learn about the various factors that led to America's entry into World War II, as well as its consequences for American life. Students will explore the causes and course of the Cold War. Students will study the important social, cultural, economic, and political changes resulting from the Civil Rights Movement, the Cold War, and recent events and trends that have shaped modern-day America. Additionally, students will learn the causes and consequences of contemporary issues impacting their world today. Students will continue to use skills for historical and geographical analysis as they examine American history since Reconstruction with special attention to Tennessee connections in history, geography, politics, and people. Students will continue to learn fundamental concepts in civics, economics, and geography within the context of United States history. The reading of primary source documents is a key feature of United States history standards. Finally, students will focus on current human and physical geographic issues important in contemporary America and the global society.

A state end-of-course exam is required at the end of the second semester. It counts for 25% of second semester grade.

ECONOMICS 3431

½ credit

Open to 12

Students will examine the allocation of scarce resources and the economic reasoning used by government agencies and by people as consumers, producers, savers, investors, workers, and voters. Key elements of the course include the study of scarcity, supply and demand, market structures, the role of government, national income determination, money and the role of financial institutions, economic stabilization, and trade. Students will examine the key economic philosophies and economists who have influenced the economies around the world in the past and present. Informational text and primary sources will play an instrumental part of the study of economics where it is appropriate.

PERSONAL FINANCE 3496

½ credit

Open to 12

This course is designed to address the basics of money and income management. Students will learn how individual choices directly influence occupational goals and future earnings potential. Real world topics covered will include income, money management, spending, credit, saving, and investing. Students will design personal and household budgets; simulate use of checking and savings accounts; demonstrate knowledge of finance, debt, and credit management; and evaluate and understand insurance and taxes. The course provides a foundational understanding for making informed personal financial decisions.

FOREIGN LANGUAGE

INTERDISCIPLINARY STUDIES 9352

1 credit

Open to 11, 12

This course is for students who need to complete their high school foreign language requirement. Students will use Rosetta Stone to complete their requirements online while attending a class monitored by a teacher.

COLLEGE PREPARATION

ACT PREP 9350

1 credit

Open to 11, 12

All juniors will be enrolled in this course. The purpose of this course is to expose high school students to the types of content and questions they will encounter on the ACT Test; to prepare them to perform with the minimal amount of test anxiety due to appropriate preparation; to understand the connection between the EXPLORE, PLAN, and ACT tests; how these tests will affect their future in secondary education, and how that in turn will affect their future in possibly post-secondary education and careers. Entering seniors who have not met all ACT benchmarks will enroll in ACT Prep for the fall semester.

SENIOR CAPSTONE 3500

½ credit

Open to 12

All seniors will be enrolled in this course for the fall semester. The purpose of this course to assist seniors with a variety of topics related to post-secondary and career success. Topics include college exploration and admissions, financial aid, scholarships, resumes, career research, and job shadowing.

Fine Arts/Wellness/PE

Students needing a Fine Arts credit for high school will satisfy the requirement by taking two of the following college courses:

ART 1035 – Intro to Art, MUS 1030 – Intro to Music, THEA 1030 - Intro to Theater

Students needing Wellness credit will be signed up for an online Wellness class through the A+ program.

Students need PE credit will complete PE hours on campus to earn the required credit.

Focused Elective

Dual Enrollment courses serve as the focused elective for students at the Middle College. Students entering after the first semester of their junior year should consult with the school counselor to determine their focused elective.

Additional Information

Students needing courses that are not offered at Middle College should complete these courses in summer school or credit recovery prior to attending Middle College. Please contact the school counselor with specific questions about course availability.

Middle College students are not ranked. They can earn the same diplomas as other students in the Clarksville Montgomery County School System provided that they meet all requirements. Advanced Placement (AP) classes are not offered at the Middle College.

College Course Information

Students are not allowed to take a college course that conflicts with a high school course.

Students can only take online college courses with the permission of the principal and only after completing at least one semester at Middle College.

Students wanting to take a college math, science, or English course must have an ACT score on file at APSU and meet minimum requirements. Student may only take 1000 or 2000 level college courses.

Students must have all college courses approved by the Middle College principal.