COURSE CATALOG

FOR

TRI COUNTY HIGH SCHOOL

2016-17

ENROLLMENT INFORMATION

The following information is to be used when requesting classes for the **2016-17** school year. This document and all supplementary materials must be read carefully.

Graduation Requirements

The requirements that must be fulfilled for graduation from Tri County Area High School are:

1. See the table above for total credits needed for each graduating year.
2. Three years of marching band may waive the PE requirement.
3. Two seasons of a MHSAA sanctioned sport may waive the PE requirement.
4. Completion of all sections of the Michigan Merit Examination (MME)

CLASS of 2017 & 2018	
Computers	.5
Electives	3.5
English	4.0
Math	4.0
PE/Health	1.0
Science	3.0
Social Studies	3.0
Visual/Performing/Applied Arts	1.0
World Language	2.0
TOTAL	**22**

CLASS of 2019+	
Electives	4.0
English	4.0
Math	4.0
PE/Health	1.0
Science	3.0
Social Studies	3.0
Visual/Performing/Applied Arts	1.0
World Language	2.0
TOTAL	**22**

Scheduling Guidelines

Freshmen must schedule:

English:	English 9 (1 credit)
Mathematics:	Math I, Algebra, or Geometry (1 credit)
Science:	Earth Science, Intro Bio
Social Studies:	World History (1 credit)
PE/Health:	Physical Education,* and Health (1 credit)

Sophomores must schedule:

English:	English 10 (1 credits)
Mathematics:	Math II, Geometry, Algebra II (1 credit)
Science:	Biology (1 credit)
Social Studies:	Government and Economics (1 credit)

Juniors must schedule:

English:	English 11 (1 credits)
Mathematics:	Math III, Algebra II or math elective (1 credit)
Science:	Physical Science, Chemistry or Physics (1 credit)
Social Studies:	American History (1 credit)

Seniors must schedule:

English:	English 12 or Dual Enrollment (1 credits)
Mathematics:	Math IV, Algebra II A & B, or math elective (1 credit)

You must also include: 1 credit in Visual, Performing & Applied Arts (examples include Band, Art, Drafting, Woods, some Career Center programs, etc) and 2 credits in Language other than English

		2015-16 COURSE LIST		* Required Electives
FRESHMEN COURSES				
MATH	**SCIENCE**	**SOCIAL STUDIES**	**LANGUAGE ARTS**	**ELECTIVES**
Algebra I	Earth Science	World History/Geography	English 9	Art I
Geometry I	Intro to Biology			Band/Jazz Band
Math I				Drafting
				*Health
				Jazz Band
				*Physical Education
				*Spanish I
				Woods I
SOPHOMORE COURSES				
MATH	**SCIENCE**	**SOCIAL STUDIES**	**LANGUAGE ARTS**	**ELECTIVES**
Algebra II	Bio Capstone	Economics	English 10	Art I, Art 2D/3D
Geometry I	Molecular Bio	Government		Band/Jazz Band
Math II				Computer Apps
				Desktop Publishing
				Drafting I & Adv Drafting
				Illustrator
				iMovie
				PE - Advance
				Photoshop
				Spanish II
				Woods I & II
JUNIOR COURSES				
MATH	**SCIENCE**	**SOCIAL STUDIES**	**LANGUAGE ARTS**	**ELECTIVES**
Algebra II	Anat/Phys	American. History	English 11	Accounting
Math III	Chemistry I, II			Anatomy/Physiology
Pre Calculus	Physics I			Art I, Art 2D/3D
				Advanced 2D/3D
				Band/Jazz Band
				Desktop Publishing
				Drafting I - Adv Drafting
				Illustrator/Graphic
				i-Movie
				Computers
				PE - Advance
				Photoshop
				Psychology
				Spanish I-V
				Speech
				Woods I - IV
				Yearbook - All Year
SENIOR COURSES				KCTC/NCCTC
MATH	**SCIENCE**	**SOCIAL STUDIES**	**LANGUAGE ARTS**	**ELECTIVES**
Accounting	Anat/Phys	Dual Enrollment	English 12	All Classes listed above
Math IV	Chemistry I, II	Psychology	Dual Enrollment	
Pre Calculus	Physics II			
Stats	Dual Enrollment			
Dual Enrollment				

Sample Class Schedule

Freshman Sample Schedule

1st Hour	Band
2nd Hour	Algebra I
3rd Hour	Earth Science/Bio
4th Hour	World History
5th Hour	English 9
6th Hour	Health

Sophomore Sample Schedule

1st Hour	Math II
2nd Hour	Biology
3rd Hour	Econ/Govt
4th Hour	English 10
5th Hour	Phys Ed
6th Hour	Spanish II

Junior Sample Schedule

1st Hour	Yearbook
2nd Hour	Spanish III
3rd Hour	Chemistry
4th Hour	Algebra II
5th Hour	English 11
6th Hour	American History

Senior Sample Schedule

1st Hour	Yearbook
2nd Hour	Anatomy/Phys
3rd Hour	Spanish IV
4th Hour	Psychology
5th Hour	Dual Enrollment
6th Hour	Math

6 Hour Class Schedule

CLASS HOUR	MON-WED-FRI	TUES & THURS
1st Hour	7:20—8:25 am	7:20—8:19 am
2nd Hour	8:29—9:29 am	8:23—9:17 am
Advisory		9:21—9:52 am
3rd Hour	9:33—10:33 am	9:56—10:50 am
1st Lunch	10:33—11:03 am	10:50—11:21 am
4th Hour for 2nd Lunch	10:37—11:37 am	10:54—11:49 am
4th Hour for 1st Lunch	11:07—12:07 pm	11:24—12:19 pm
2nd Lunch	11:37—12:07 pm	11:49—12:19 pm
5th Hour	12:11—1:11 pm	12:23—1:17 pm
6th Hour	1:15—2:15 pm	1:21—2:15 pm

ENROLLMENT INFORMATION

Dropping / Adding

Dropping / adding courses is allowed for one week at the beginning of each semester. Dropping / adding is with teacher / counselor / principal permission.

Withdrawal from Courses

If a student *must* withdraw from a course after the drop/add period has ended and no alternate placement can be found, the student must then accept a grade of NC or E depending upon the instructor's judgment of their performance in the course and any mitigating circumstances.

Adequate Yearly Progress

Federal law requires that high school students demonstrate Adequate Yearly Progress in reading, writing, mathematics, and science.

In Michigan, AYP is measured by means of the Michigan Merit Examination (MME). All eleventh grade students are required to take the MME.

Repeating Courses

1. Courses may be repeated as indicated in course descriptions.
2. Students may repeat courses for credit under the following conditions:

a. Permission granted by the principal

b. The first time the course is taken it must be passed with a grade of "D" or below

c. The second time the course is taken it must be passed with a grade of "C" or higher The "C" or higher grade is posted to the student's transcript and credit is granted; the lower grade is changed to "CR" and credit is retained

Making Up A Credit Deficit

A student with a projected credit deficit may make up that deficit by earning credits by means of summer school, night school, virtual high school, and correspondence course. The TCHS principal must approve in advance all such credits.

Participation In Graduation Ceremonies

With the principal's approval, a member of a graduating class may participate in TCHS graduation ceremonies by having earned enough credits that the student is within a 1 credit of the minimum required by the Friday preceding the graduation date.

Qualifying For Academic Honors

At graduation, to qualify for TCHS academic honors, a student must earn a cumulative GPA of a 3.0 or higher and have successfully completed the Michigan Merit Curriculum

ENROLLMENT INFO continued

Non-Accredited Programs

Tri County High School accepts credits transferred from state accredited high school programs or credits earned through instructional activities devised and conducted by state accredited teachers. Such credits might be earned by means of traditional classroom instruction, instruction through the mail, or instruction by means of the Internet.

Only grades awarded by accredited high schools are used to determine TCHS grade point average, National Honor Society eligibility, or class rank including valedictorian/salutatorian status.

At the discretion of the principal, "home-school" instruction will be accepted for credit if learning activities are conducted by persons state certified.

Personal Curriculum

The Personal Curriculum (PC) is a process to modify specific credit requirements and/or content expectations based on the individual learning needs of a student. It is designed to serve students who want to accelerate or go beyond the MMC requirement and students who need to individualize learning requirements to meet the MMC requirements. The PC must be developed and coordinated with other plans, including the Educational Development Plan (EDP) and the Individualized Education Program (IE). Parents and student 18 years of age or older may request a PC. The high school counselor will assist in the process and have current information on eligibility.

Graduation of Students with Disabilities

In accordance with state and federal law, a TCHS student with a disability will receive support services designed to address her/his individual needs. To the fullest extent possible, the student will participate in the general curriculum.

To receive a TCHS diploma, a special education student must fulfill the same minimum distribution requirements as regular education students.

Should an IEP team determine that a student is not capable of fulfilling all requirements for graduation, the student may instead be awarded a certificate of completion. A certificate of completion does not signify termination of the student's eligibility for special education services.

The duration of services may exceed the minimum eight (8) semesters required for a TCHS diploma.

NCAA Division I Freshman Eligibility Standards

High school graduates who want to practice, compete, and receive athletic scholarships as freshman in NCAA Division I athletics must meet certain standards. Among the standards are qualifying ACT or SAT scores and satisfactory performance in high school academic core courses. Such students are responsible for making sure they fulfill all requirements while in high school. A copy of NCAA Division I and II Freshman Eligibility Standards is available from the TCHS Athletic Director.

All students who want to participate in intercollegiate athletics must complete the NCAA Clearinghouse. The Form is available through the TCHS Athletic Director.

All students who want to participate in intercollegiate (college) athletics must take the following high school courses:

1. Four years of English
2. Three years of mathematics Algebra I or higher level
3. Two years of natural or physical science (including one year of lab science)
4. One extra year of English, mathematics, or natural/physical science
5. Two years of social science
6. Four years of extra courses from any category above or foreign language

Testing Out

"The board of a school district shall grant high school credit in any course to a pupil enrolled in" (that) "high school, but who is not enrolled in the course, who has exhibited a reasonable level of mastery of the subject matter of the course by attaining a grade of not less than "C+" (or 78%) "in a final examination in the course, or, if there is not a final examination, by exhibiting that mastery through the basic assessment used in the course which may consist of a portfolio, performance, paper, project, or presentation. For the purpose of earning credit under this section, any high school pupil may take the final examination in any course.

Once credit is earned under this section, a pupil may not receive credit thereafter for a course lower in course sequence (easier) concerning the same subject area."

Tri County High School implements this law by means of the following:

The student will take the semester final examination or other mastery assessment when it is regularly scheduled at the high school. In coming freshmen will take final examinations at the end of the eighth grade year.

- The grade for a successful course-completion-by-examination will be "CR" (credit).
- All credit-by-examination tasks must be completed before the twelfth grade year.
- The student must be of high school age.

Articulated Credits

Students may receive articulated credits for certain approved courses that can be taken through Tri County High School during their junior and senior years. Students enrolled in the approved courses must achieve a B or better in the course, and they must enroll in the college or university immediately after high school in order to meet time deadlines. Additional requirements specific to each college or university, a course submission form for graduates to submit to the college or university to verify the articulated credits, or a current listing of articulated courses, please contact the counseling department at the high school. ***See p. 25 for the articulation chart.***

Academic Post Secondary Enrollment Options (Dual Enrollment)

1. A student in 10th, 11th and 12th grade with minimum qualifying scores on standard assessment (see table below)
2. Based on a formula supplied by the state, the school district will pay at least a portion of the tuition/book/

fees for a dual enrollment course. Transportation and parking are the responsibility of the student.

3. The school district will pay for dual enrollment up to a maximum six (6) high school and college courses combined.

Students who intend to dual enroll should refer to the state standards listed in the table below —this is subject to change.

Assessment	Test Section	Content Area	Minimum Dual Enrollment Qualifying Score
EXPLORE	Mathematics	Mathematics	17
	Reading	Reading	15
	Science	Science	20
	English	English	13
PLAN	Mathematics	Mathematics	19
	Reading	Reading	17
	Science	Science	21
	English	English	15
ACT	Mathematics	Mathematics	22
	Reading	Reading	21
	Science	Science	24
	English	English	18
COMPASS	Mathematics	Mathematics	52
	Reading	Reading	88
	English	English	77
MME	Reading	Reading	1108
	Writing	Writing	1100
	Mathematics	Mathematics	1116
	Science	Science	1126
	Social Studies	Social Studies	1129
PSAT	Critical Reading	Reading	42
	Writing Skills	Writing	41
	Mathematics	Mathematics	44
SAT	Critical Reading	Reading	500
	Writing	Writing	500
	Mathematics	Mathematics	500
ACCUPLACER*	Reading Comprehension	Reading	TBD
	Sentence Skills	Writing	TBD
	Mathematics	Mathematics	TBD

*Accuplacer qualifying scores are typically specific to a state or Institution of Higher Education (IHE). The Department will work with The College Board and Michigan IHEs to build consensus around Minimum Dual Enrollment Qualifying Scores on this assessment.

The minimum grade required for taking the next college course in a sequence is "C".

If a student fails to complete or successfully complete a district/school paid postsecondary course, s/he is responsible to repay the school district any funds that were expended by the school district for the course.

ADVISORY

***Course*: Advisory**
Credit: ⅛, ⅛
Prerequisite: **Required course for all Students**
Course Description: : This course is for all students. Students will be assigned to a teacher who will assist him/her in achieving their academic goals. Students will work to further develop academic skills such as time management and organizational skills. The priority focus will be on reinforcing foundational skills in specific curriculum areas.

BUSINESS EDUCATION

***Course*: Computer Applications**
Credit: ½
Prerequisite: Introduction to Computer Applications
Course Description: Students build on the skills acquired in previous computer courses. An emphasis is placed upon Google Documents, Creative commons and Copyright Laws, and cloud computing applications. Proper Digital Citizenship and Netiquette activities are explored. Students also work with digital photo editing.

***Course:* Media Communications**
Credit: 1/2 (can be taken for 2 semesters)
Prerequisites: Successful completion of IMovie
Grades 10-12

In this class, you'll learn how to express ideas clearly and creatively as well as develop familiarity with new media, electronic publishing, computer software, graphic design, web design, and multimedia production.

Areas this class will focus on:
Radio and TV Broadcasting--Tri County Morning Announcements and Events.
Social Media--using it to Promote Tri County High School
Publishing and Editing--finding and presenting news stories both traditionally and electronically--this will include our school newsletter and website.

***Course*: Introduction to 3D Computer Animation**
Credit: ½
Prerequisite: Intro to Computers, Math II or Geometry
Course Description: This course is an introduction to object oriented programming using visual environment resource called ALICE. Students will learn ow to create 3D motion which will prepare them for visual gaming programming. Java essentials may be introduced if time permits.

***Course*: Accounting A and B**
Credit: ½, ½,
Prerequisite: Intro to Computers, Math II or Geometry
Course Description: This course is an introduction to accounting principles emphasizing the operation of a business as a sole proprietorship operating a service business or a merchandising business. The monthly accounting cycle is covered in depth.
This is an articulated course.

CAREER CENTER—KCTC

The following courses are offered through KCTC. Not all the courses are available to TCHS students every year. Some courses require that the student provide transportation for which they are not reimbursed. Course descriptions are available through TCHS counselors or the KCTC website, www.kc-tc.org

There are two (2) semesters in the KCTC school year. Unless otherwise noted, all courses are offered as two-year programs. *Many of these courses are articulated.*

Arts and Communication
- Graphic Communications
- Regional Theatre Technology

Business Management, Marketing & Technology
- Accounting Online
- Accounting Systems & Solutions
- Information Technology
- Marking Program

Engineering, Manufacturing & Industrial Technology
- Applied Construction Technology
- Electronics/Electrical Trades
- Engineering Technology/Site Design Management
- Heating, Ventilation, Air Conditioning and Refrigeration (HVACR)
- Precision Machining Technology
- Auto Collision Repair
- Automotive Technology
- Aviation Maintenance Technology
- Diesel & Equipment Technology
- Alternative Energy

Health Sciences
- Health Careers: First Year
- Therapeutic—GVSU
- Health Sciences Early College Academy

Human Services
- Introduction to Hospitality
- Culinary Arts
- Pastry Arts
- Criminal Justice

Natural Resources & Agriscience

CAREER CENTER—KCTC

- Agriscience
- Environmental Sustainability

The following courses are offered through

CAREER CENTER—NCCTC

NCCTC. Not all the courses are available to TCHS students every year. Unless otherwise noted, all courses are offered as two-year programs. Course descriptions are available through TCHS counselors or NCCTC. *Many of these courses are articulated.*
www.ncresa.org

Programs offered:
- Automotive Technician
- Business Applied Technology
- Construction Trades
- Cosmetology
- Criminal Justice
- Culinary Arts
- Cisco Networking Academy
- Future Educators
- Graphic Communication
- Health Science
- Heavy Equipment Technician
- Information Security & Intelligence
- Mechanical Engineering
- Welding

COMMUNICATION

Course: Desktop Publishing
Credit: ½
Prerequisite: Successful Completion of Computer Application A, Grades 10-12
In this computer application class, students work with basic desktop publishing software with an emphasis on design. Students design posters, banners, invitations and complete a portfolio using Adobe Photoshop. This class is a prerequisite for Yearbook. Students interested in graphic design are strongly encouraged to take this class.

Course: Illustrator
Credit: ½
Prerequisite: Successful completion of Computer Applications A, Grades 10-12
In this computer application class, students work with Adobe Illustrator to design many different pieces of vector art. Students will also be introduced to graphic design while working on design projects, such as, invitations, product packaging, and logos. Students interested in graphic design are strongly encouraged to take this class.

Course: i-Movie
Credit: ½
Prerequisite: Successful Completion of Computer Application A, Grades 10-12
In this computer application class, students work with video editing software on the Mac with an emphasis on i-Movie. Students complete slide shows, short videos and video interviews. This class is a prerequisite for the Media Communications.

Course: Media Communications
Credit: ½
Prerequisite: Successful Completion of Computer Application A and i-Movie, Grades 10-12
In this computer application class, students work with video editing software on the Mac to produce a morning announcement news show.

Course: Photoshop
Credit: ½
Prerequisite: Successful Completion of Computer Application A, Grades 10-12
In this computer application class, students produce and edit photographs using Adobe Photoshop. Students will need access to a digital camera (some cameras are available for check out from teacher). This class is a prerequisite for Yearbook. Students interested in learning the basics of photography and digital editing are strongly encouraged to take this class.

Course: Yearbook
Credit: 1 credit (Year long Class)
Prerequisite: Successful Completion of Computer Application A, Photoshop, and Desktop Publishing, Application Process with permission of instructor,
Grades 11-12
Course Description: Students produce and market an all digital, online, high school yearbook. Yearbook students must be able to sell advertisements, produce yearbook spreads on the Jostens Online website, and take photographs at school events. Yearbook involves an after school commitment as students are required to attend school events for coverage. The Yearbook class also sponsors events that students must attend. This course may be repeated for credit with teacher permission

DUAL ENROLLMENT

Course: Dual Enrollment
Credit: ½ - 2½
Prerequisite: Required level or achievement on ASSET, MME, PLAN, or PSAT and Principal approval
Course Description: Students are enrolled in a college class and receive high school credit towards graduation. Students are required by state law to take a least one high school class while dual enrolled.

Colleges that students at TCHS have dual-enrolled:

- MCC
- GRCC
- FSU
- Muskegon Community College
- Baker
- Davenport
- GVSU

MTA—Montcalm Community College

The Michigan Transfer Agreement was designed to facilitate the transfer of general education requirements from one institution to another. Students may complete the MTA as part of an associates' degree or as a stand alone package at a Michigan Community College.

Starting in the 10th grade, students will work towards successfully completing at least 30 credits of coursework in six defined areas with at least a grade of a 2.0 in each.

When coursework requirements for meeting the MTA have been completed, the student may request that their transcript be posted MTA satisfied and must send an official copy to the four year institution.

4 Year Institutions in MTA

4-Year Institutions

⇒ Central Michigan University
⇒ Eastern Michigan University
⇒ Ferris State University
⇒ Grand Valley State University
⇒ Lake Superior State University
⇒ Michigan State University
⇒ Michigan Technical University
⇒ Oakland University
⇒ Saginaw Valley State University
⇒ University of Michigan—Ann Arbor
⇒ University of Michigan—Dearborn
⇒ University of Michigan—Flint
⇒ Wayne State University
⇒ Western Michigan University

4 Year Private Institutions

⇒ Cleary University
⇒ College for Creative Studies
⇒ Davenport University
⇒ Sacred Heart Major Seminary
⇒ Siena Heights University

ENGLISH

Course: **English 9**
Credit: 1
Prerequisite: Required Grade 9
Course Description: This course is for general or college bound students. Students will read classic and modern literature. A variety of written genres will be covered, including expository, informational and personal. Research techniques and manuscript preparation are developed.

Course: **Fun English**
Credit: 1
Prerequisite: Required Grade 9
Course Description: This course is for general or college bound students. Students will read classic and modern literature. A variety of written genres will be covered, including expository, informational and personal. Research techniques and manuscript preparation are developed with an emphasis on writing basics..

Course: **Honors English 9**
Credit: 1
Prerequisite: Teacher Recommendation
Course Description: This course is for advanced students. Students will read classic and modern literature. A variety of written genres will be covered, including expository, informational and personal. Research techniques and manuscript preparation are developed. Enrollment is by teacher recommendation based on standardized test scores, classroom performance, attitude and attendance.

Course: **English 10**
Credit: 1
Prerequisite: Required Grade 10
Course Description: Students will study human relationships through thematic exploration of the ideas of American writers. Upon completion of the course, students will demonstrate competency in reading, persuasive writing and oral communication.

Course: **Honors English 10**
Credit: 1
Prerequisite: Honors English 9 /Teacher Recommendation
Course Description: This course is for advanced students. Students will study human relationships through thematic exploration of the ideas of American writers. Upon completion of the course, students will demonstrate competency in reading, persuasive writing and oral communication.

ENGLISH continued

Course: **English 11**
Credit: 1
Prerequisite: Required Grade 11
Course Description: This course is for general or college bound students. Students will study the specific history and development of human cultures as seen through literature. Students will compose a variety of writing pieces, including college/work related writing.

Course: **Honors English 11 A & B**
Credit: ½, ½
Prerequisite: Honors English 10 A& B/ Teacher Recommendation
Course Description: This course is for advanced students. Students will study the specific history and development of human cultures as seen through literature. Students will compose a variety of writing pieces, including research and college based writing.

Course: **English 12**
Credit: 1
Prerequisite: Required Grade 12
Course Description: This course is for general or college bound students. Students will study literature and composition skills that will prepare them to be successful in college and work.

Course: **Honors English 12**
Credit: 1
Prerequisite: Teacher recommendation
Course Description: This course is for advanced students. The focus of this class will be on digital writing, including journalism, blogging, and other online writing assignments. Students will work on individual creative writing projects. In addition, students will read self-selected novels and participate in book clubs.

Course: Intro to Speech
Credit: ½
In this introductory course students have an opportunity to gain skill, confidence, and fluency in public speaking. Students develop an understanding of both basic communication principles and public speaking strategies through their application of these principles to a variety of speaking assignments.

FINE ARTS

***Course*: Art I**
Credit: 1
Prerequisite: Grades 9 - 12
Course Description: Students are introduced to many of the different forms of art and the basic terminology of visual art. Units include composition, perspective and drawing basics. Emphasis is placed on understanding the elements and principles of design. Students will use marker, pencil drawing, tempera paint, and clay. Students will continue the study of the elements and principles of design with more in depth assignments such as printmaking, clay, painting, and sculpture. Emphasis is placed on color theory.

2 D Art
Credit: ½
Prerequisite: C or better in Art 1A and 1B
Course Description: This course will first focus on the fundamentals of drawing: line, composition, proportion, spatial relationships, perspective, volume, light and shadow, foreshortening, value and texture. The second half will include an introduction to Painting techniques students can apply to original compositions using acrylic, tempera, and watercolor.

Advanced 2D Art
Credit: ½
Prerequisite: Completion of pre-req class and instructor's approval.
Course Description: Students will work on advanced drawing and painting techniques, demonstrating mastery in perspective, proportion, composition, value and color theory.

3D Art
Credit: ½
Prerequisite: C or better in Art 1A and 1B
Course Description: Students will explore three-dimensional art, developing skills in both additive and subtractive sculpture. Media will include clay, plaster, wire, paper mache, glass and mixed media.

Advanced 3D Art
Credit: ½
Prerequisite: Completion of pre-req class and instructor's approval.
Course Description:

FINE ARTS continued

An extension of 3D Advanced Art A. Students will utilize advanced sculpture techniques working on a larger scale.

***Course*: Band**
Credit: 1
Prerequisite: Band students are expected to have participated in junior high band, or at least have a reasonable amount of proficiency on their instruments; may be repeated for credit
Course Description: Attendance at all band performances is required. The instrumental music department revolves, for the most part, around performance. The band begins the year with a rather extensive marching season consisting of shows for home football games and competitive performances. The concert season, which begins in November, involves concerts, District and State Band Festivals, Solo & Ensemble, and Pep Band. Band may be repeated for credit. Successful completion of at least three (3) marching seasons will fulfill the TCAHS physical education requirement. **This course may be repeated for credit.**

***Course*: Jazz Band**
Credit: ½
Prerequisite: Member of Band; pianists or guitarists; permission of instructor; may be repeated for credit
Course Description: High ability instrumental music students present polished performances in various venues. For Band students, Stage Band does not replace participation in concert band rehearsals and performances. Members of Stage Band may be required to participate in evening performances. **This course may be repeated for credit.**

***Course*: Food Art**
Credit: ½
Prerequisite: Grades 9-12
Course Description: Students are introduced to the art of preparation and presentation of food.

INDUSTRIAL ARTS—Technology

***Course*: Woods I-III**
Credit: ½
Prerequisite: Grades 9 – 12; ability to work independently; ability to follow safety rules
Course Description: Students will learn wood technology, tool and equipment identification, safety, the use of hand tools and power tools and equipment, basic joinery, wood finishing processes, and fasteners. Students will build projects using the skills learned. Manufacturing/ Mass production

***Course*: Woods IV**
Credit: ½
Prerequisite: Completion of pre-req class and instructor's approval.
Course Description: Furniture Building and Cabinet making.

***Course*: Drafting**
Credit: 1
Prerequisite: Grades 9 – 12; ability to work independently
Course Description: The student develops attitudes and techniques that are needed in drafting. Skills using drafting equipment and materials, including CAD, are developed. Students are introduced to geometric constructions, engineering lettering, sketching, pictorial drawings, shading techniques, orthographic projection, and dimensioning. Students will be introduced to sectional views, surface developments, auxiliary views, and architectural drafting. Students will design, draw, build, and race a CO2 dragster.

***Course*: Architectural Drafting**
Credit: 1
Prerequisite: Successful completion of
Course Description: Students learn to draw manually or on CAD a floor plan, foundation plan, wall section, fireplace section, and stair section. Students will draw manually or on CAD elevations and a plot plan of their house. Students will build a model of their house from their plans drawn from Architectural Drafting A. Students will use all building plans and plot plan of their house to build the scale model of their house. *This is an articulated course.*

INDUSTRIAL ARTS—Technology

***Course*: Mechanical Drafting**
Credit: 1
Prerequisite: Successful completion of Drafting I A and B
Course Description: Students will draw manually or on CAD a detail mechanical drawing. Students will learn a variety of shading techniques. Students will draw various pictorial 3D drawings. Students will choose from a variety of mechanical drafting drawings to draw manually or on CAD. *This is an articulated course.*

***Course:* Advanced Mechanical or Architectural Drafting**
Credit: 1
Prerequisite: *Prerequisite:* Completion of pre-req class and instructor's approval.
Course Description: Students will choose from a variety of more advanced drawings to draw manually or on CAD. Focus towards new technologies.

MATHEMATICS

***Course*: Math I**
Credit: 1
Prerequisite: Grades 9 - 12
Course Description: The course includes material that focuses on arithmetic operations, problem-solving techniques, estimation of answers, measurement skills, geometry, data handling, simple statistics and the use of algebraic formulas to solve problems. Students solve problems in a variety of real world applications. The emphasis of the class is to understand and apply math to the real world. The continuation of Math I A. This course includes functions, polynomials, probability, and reasoning. The emphasis of the class is to understand and apply math to the real world.

***Course*: Math II**
Credit: 1
Prerequisite: Math I or Algebra I
Course Description: This course will build upon and reinforce the skills that were developed in Math I. There will be an introduction to systems of equations, functions, and geometric proofs. It is the continuation of Math II A. The course will include probability and statistics, quadratic and polynomial functions.

***Course*: Math III**
Credit: 1
Prerequisite: Math II, Geometry, or Algebra II
Course Description: This course will build upon and reinforce the skills that were developed in Math II. Matrix multiplication and operations will be introduced. The continuation of Math III A will include reinforcement of the skills developed throughout the student's math career. Upon completion of Math III, a student will have the equivalent of Algebra I and Geometry.

***Course:* Math IV**
Credit: 1
Prerequisite: Math III or Geometry
Course Description: Math IV is the study of the more advanced topics in mathematics. This course will cover variation, linear relations, matrices, systems of equations, and quadratic equations. Successful completion of Math IV will fulfill the Algebra II requirement for graduation. Math IV B will continue with the study of functions, powers, roots, and exponents. The course will finish with an introduction to trigonometry and polynomials. Successful completion of Math IV will fulfill the Algebra II requirement for graduation.

MATHEMATICS continued

***Course*: Algebra I**
Credit: 1
Prerequisite: Grades 9 - 12
Course Description: This course covers the basic tools of Algebra. The main focus is on solving and graphing equations. This course builds on material covered in Algebra I A. Polynomials, functions, and radical expressions are covered during this course.

***Course*: Geometry**
Credit: 1
Prerequisite: Algebra I
Course Description: Geometry is introduction to deductive thinking and its application to the real world. Geometry A consists of the study of the properties of shapes and objects. Skills that are necessary for Geometry are good spatial insight, and a good knowledge of algebra.

***Course*: Algebra II**
Credit: 1
Prerequisite: Geometry or Math III
Course Description: Algebra II is the study of the more advanced topics in mathematics. This course will cover variation, linear relations, matrices, systems of equations, and quadratic equations. Algebra II is required for admission to four-year colleges. Algebra II B will continue with the study of functions, powers, roots, and exponents. The course will finish with an introduction to trigonometry and polynomials. *This is an articulated course.*

***Course*: Pre Calculus**
Prerequisite: Algebra II
Credits: 1
Course Description: Pre-Calculus begins by going more in depth with functions, including power, polynomial, rational, exponential, logarithmic, and trigonometric functions. It also cover right triangle trigonometry as well as trigonometric identities and equations. In the second half of the class we study matrices, conic sections, parametric equations, vectors, polar coordinates, complex

numbers, sequences and series. We also end with an introduction to calculus covering limits and derivatives.

***Course*: Statistics**
Prerequisite: Grade 11 or 12
Credits: 1
Course Description: This class will cover topics including an introduction to statistical vocabulary and its relation to research, frequency distributions and graphs, measures of central tendency, variation and position, probability and counting rules, scatter plots, and correlation. Students will also be introduced to using Excel to determine statistical information. This course also includes some ACT math review.

MODIFIED CURRICULUM

Modified Curriculum courses are available to students who qualify under the terms of their Individualized Educational Development Plan (IEP).

English

Basic English 9 - 12
Students will work individually on IEP goals and Michigan High School Extended Benchmarks for language arts. Topics covered: Fluency, Comprehension, Grammar, Applied Writing Skills, Basic Story Elements, Study of Different Genres, Poetry and Spelling.

Mathematics

Basic Math 9 – 12
Students will work individually on IEP goals and Michigan High School extended benchmarks for mathematics. Topics covered: Basic and Applied Math Skills, Patterns, Time, Money, Measurement, Graphs, and Area.

Life Science

Study of cells and classification systems, comparison of major classification groups, life cycle of an organism associated with human disease, basic technology used to prevent, diagnose, and treat disease in humans, and dominant and recessive traits.

Earth Science

Study of surface features, how rocks and fossils help us understand history, common objects made from earth materials, recycling, safety precautions with the three states of water, and weather and weather tools.

Physical Science

Study of household and agricultural material, atoms, motion of molecules in solids, liquids and gasses, simple and parallel circuits and physical changes in matter.

PHYSICAL EDUCATION

Course: Physical Education
Credit: ½
Prerequisite: Required for 1st time P.E. students
Course Description: Students will concentrate on developing personal fitness. Students will be required to perform exercises that involve building muscle mass as well as aerobic activity. Students will be tested on their growth in several areas, such as; flexibility, strength and endurance. Grading will be based on attendance, participation, and physical achievement on a personal level. With prior approval from the high school principal, the physical education requirement may be fulfilled by successful completion of at least three (3) seasons of marching band.

Course: Advanced Physical Education
Credit: 1
Prerequisite: P.E. I and department or instructor approval
Course Description: Students will be introduced to a variety of individual and team sports. Students will be expected to increase their skill level throughout the semester. This is an elective P.E. course meant for students who want to participate and play at a high level. **This course can be repeated for credit with instructor approval.**

Course: Health 9
Credit: ½
Prerequisite: Required Grade 9
Course Description: Students explore procedures and information necessary for a healthy lifestyle. Components include the study of alcohol, tobacco, and other drugs, personal behavior, mental health, environmental influences on health and human physiology. Students will explore stress reduction, nutrition, and reproductive health.

SCIENCE

***Course*: Chemistry I**
Credit: 1
Prerequisite: Molecular or Capstone Biology
Course Description: Chemistry is the study of the composition of matter. In this course you will study topics such as atomic structure, stoichiometrics, electron configuration, quantum numbers, Periodic Table, chemical bonding, solutions, acids, bases, salts, chemical equilibrium and oxidation-reduction. Many laboratory experiments will be used to reinforce the principles being studied. This subject involves the extensive use of algebraic mathematics. *Recommended for students concurrently tanking Math 3.*

***Course*: Chemistry II**
Credit: 1
Prerequisite: Algebra II
Course Description: Chemistry is the study of the composition of matter. In this course you will study topics such as atomic structure, stoichiometrics, electron configuration, quantum numbers, Periodic Table, chemical bonding, solutions, acids, bases, salts, chemical equilibrium and oxidation-reduction. Many laboratory experiments will be used to reinforce the principles being studied. This subject involves the extensive use of algebraic mathematics. *This is an articulated course.*

***Course:* Earth Science/Intro to Biology**
Credit: 1
Prerequisite: 9th Grade Standing
Course Description: Students will be studying the nature of science, composition of the earth, surface processes, atmosphere and the oceans, earth dynamics, geologic time, beyond of earth systems, and earth resources.

SCIENCE continued

***Course:* Molecular Biology**
Credit: ½
Prerequisite: Required grade 10
Course Description: Biology topics could include transformation of matter and energy in cells, organic molecules, proteins, energy transfer, cell regulation, photosynthesis and respiration, elemental recombination, genetics and inherited traits, DNA, RNA and protein synthesis, genetic variation, recombinant DNA. *This is an articulated course.*

***Course*: Capstone Biology**
Credit: ½
Prerequisite: Required grade 10
Course Description: The biology capstone class will bring together the ideas studied in Introductory & Molecular Biology, Earth Science, Introductory Chemistry and Introductory Physics courses and bring them together to study biological topics which include maintaining environmental stability, element recombination, changes in ecosystems, human impact, populations, environmental factors, Darwin's theory of evolution, evolutionary evidence, natural selection and origin of life studies. *Intro, Molecular, & Capstone Biology completion is articulated.*

***Course:* Anatomy/Physiology**
Credit: 1
Prerequisite: Successful completion of Sophomore Biology
Course Description:
Anatomy & Physiology A: Introductory course to human anatomy and physiology. Students will understand the importance, anatomy, physiology, homeostatic mechanisms, and chemistry of cells and tissues, and the skeletal, muscular, nervous systems, and endocrine systems for which they support. Students will also learn vocabulary pertinent to medical, anatomical, physiological, and chemical features and processes of these systems. Common diseases of each organ system will also be introduced.

Anatomy & Physiology B: Introductory course to human anatomy and physiology. Students will

understand the importance, anatomy, physiology, homeostatic mechanisms, and chemistry of the senses, and the cardiovascular, lymphatic, urinary, respiratory, digestive, integumentary, and reproductive systems. Students will also learn vocabulary pertinent to medical, anatomical, physiological, and chemical features and processes of these systems. Common diseases of each organ system will also be introduced.

***Course*: Physics I**
Credit: 1
Prerequisite: Molecular or Capstone Biology
Course Description: In Physics, you will study the concepts of displacement, velocity, forces (including gravity, friction, and other everyday forces), motion, projectiles, vectors, momentum, impulse, collisions, simple machines, gravitational forces between planets, torque, pressure, buoyancy, density, and fluid dynamics.

You will need a strong background in trigonometry, and should have some experience with scientific notation. It is recommended that you purchase your own scientific calculator.

Recommended for students concurrently tanking Math 3.

***Course*: Physics II**
Credit: 1
Prerequisite: Algebra II and Chemistry A
Course Description: In Physics, you will study the concepts of displacement, velocity, forces (including gravity, friction, and other everyday forces), motion, projectiles, vectors, momentum, impulse, collisions, simple machines, gravitational forces between planets, torque, pressure, buoyancy, density, and fluid dynamics.

You will need a strong background in trigonometry, and should have some experience with scientific notation. It is recommended that you purchase your own scientific calculator.
This is an articulated course. Recommended for students concurrently tanking Math 3.

SOCIAL STUDIES

***Course*: American History**
Credit: 1
Prerequisite: Required grade 11
Course Description: American History is a survey of the development of the United States from the time of the Industrial Revolution to WWII. Attention is given to the Gilded Age, Progressive Era between Western Expansion and The Golden 20s.Western Expansion, The Golden 20's, and the Great Depression. American History is a survey of the development of the United States from 1940 to present day. Attention is given to World War II, the 1950's, Vietnam War, Civil Rights, and current topics. *This is an articulated course.*

Course: Economics
Credit: ½
Prerequisite: Grade 10
Course Description This course is designed to bring someone with little or no knowledge of the subjects to the point at which they can understand the world around them, understand what they read in the papers and see on the news, and communicate with others intelligently on the subjects in question. Emphasis, to the extent possible, is placed on practice rather than theory, and the course is structured in such a way as to be engaging, even to those with little prior experience or interest in economics. The course will focus on the works of Dave Ramsey, Adam Smith, H and R Block and other outside economists.

***Course*: Government**
Credit: ½
Prerequisite: Required grade 10
Course Description: Government course description: American Government focuses on the foundations of government, the three branch system of government, foreign affairs/ globalization, political parties/campaigns, citizenship/participation, civil rights, and current events, and how these aspects apply to today's world.

Course: Psychology
Credit: ½
Prerequisite: Grade 11/12 (with teacher permission) and strong reading ability
Course Description: Psychology is the study of human behavior. This class is designed to give the student a solid background in general psychology as a basis for taking college psychology. Students study mental health. The student is also exposed to psychological knowledge that can contribute to productivity, happiness, and social effectiveness of any person. *This is an articulated course.*

SOCIAL STUDIES continued

Course: Sociology
Credit: ½
Prerequisite: Grade 11/12 (with teacher permission) and strong reading ability
Course Description: Students will look at the many ways in which a group shapes the individual. The course is designed to prepare the student for college sociology. In addition, the class gives the student the insight into his/her own behavior. Students do socio-drama, learn socio logical concepts, read and discuss several books, and survey social problems. *This is an articulated course.*

Course: World History
Credit: 1
Course Description: 400 AD through the present age This course includes studies of political and social revolutions in history throughout Asia, Africa, Europe, and Latin America. Specific topics of study include the role of religion in each area, the rise and fall of various empires, Europe in the Middle Ages, the Renaissance and Reformation, Enlightenment, the French Revolution, European imperialism, both World Wars, and the Cold War era.

21F ONLINE COURSES

The State of Michigan, under Section 21f of the State School Aid Act, has launched the choice for parents to request that their student(s), in grades 5-12, be enrolled in no more than two (2) online courses in place of a currently scheduled course. Tri County Area Schools supports online learning and as a district; we pride ourselves on innovative uses of technology to support learning. Keeping in line with our district's motto of helping every child achieve their best future, our goal is for academic accomplishment and student growth. We do, however, encourage parents to consider carefully if a 100% online course is ideal for their child given the fact that they will be forfeiting face-to-face interaction with a teacher.. Parents should carefully consider the unique qualities of their child when deciding if an online class is right for him/her. These factors include:

- Can your student self-advocate to seek help within a virtual setting?
- Can your student create and maintain a study schedule without the face-to-face instruction of a teacher?
- Does your student possess independent study habits needed to complete an entire course online without direct supervision?
- Does your student have the reading, writing, math and computer literacy skills to succeed in a class that is completely online?

Prerequisite: Permission of Counselor

Course Description: An interactive teacher directed internet connected learning environment, in which pupils are separated from their teachers by time/location. Beginning the 2015-16 school year, all 21F courses will be granted a letter grade.

WORK BASED LEARNING

Course: School - To - Work
Credit: Grade 10 maximum 1/6 hours; Grade 11 and 12, maximum 2/6 hours
Prerequisite: Valid driver license; registered vehicle; permission of career preparation coordinator; job placement related to documented career goals.
Course Description: Students gain on-the-job work experience in preparation for a career for which they have a documented interest. **This course may be repeated for credit**

CREDIT RECOVERY

Education 20-20
Credit: ½ credit
Prerequisite: Permission of Counselor
Course Description: Students complete course work using a student directed internet based learning program.

WORLD LANGUAGE

Spanish 1
Credit: 1
Prerequisite: A basic understanding of the English language, in addition to strong organizational and listening skills.

Course Description: Students will be introduced to the Spanish language through the 5 C's: Communication, Culture, Connections, Comparisons, and Communities. They will be immersed in the Spanish language, and will be encouraged to use the language, applying what they learn about the 5 C's. Language acquisition will be primarily through TPRS (Teaching Proficiency through Reading and Storytelling). Fluency in the Spanish language will progress through the Novice Low, Mid, and High proficiency levels (as defined in the State of Michigan World Language Standards).

Spanish 2
Credit: 1
Prerequisite: Reaching the Novice High Proficiency Level within the topics covered in Spanish 1 (as required by the state of Michigan)

Course Description: By the end of Spanish 2, students will demonstrate proficiency of the Spanish language at the Novice High Level (as defined in the State of Michigan World Language Standards). Students will be able to function in highly predictable situations using words, phrases, and complete sentences. This will be accomplished through the continued understanding of the 5 C's (see Spanish 1), and also through TPRS (Teaching Proficiency through Reading and Storytelling).

Spanish 3
Credit: 1
Prerequisites: Earning a grade of "B" or higher in Spanish 2 and also reaching the Novice High Proficiency level within the topics covered in Spanish 2 (as required by the State of Michigan)

Course Description: This is an advanced-level course. By the end of Spanish 3, students will demonstrate proficiency of the Spanish language at the Intermediate-Low Level (as Defined in the State of Michigan World Language Standards).

WORLD LANGUAGE continued

Students will be able to use the target language in multiple situations, and will be able to communicate in the past, present, and future. This will be accomplished through the continued understanding of the 5 C's (see Spanish 1), and also through TPRS (Teaching Proficiency through Reading and Storytelling).

Spanish 4
Credit: 1
Prerequisites: Earning a grade of "B" or higher in Spanish 3 and also reaching the Intermediate Low proficiency level by the end of Spanish 3.

Course Description: This is an advanced-level course. By the end of Spanish 4, students will demonstrate proficiency of the Spanish language at the Intermediate Mid Level (as defined in the State of Michigan World Language Standards). Students will be able to function in the target language in a variety of situations, and will be able to use the past, present, and future interchangeably. This will be accomplished through the continuing understanding of the 5 C's (see Spanish 1), and also through TPRS (Teaching Proficiency through Reading and Storytelling).

ARTICULATION—TCHS

TCHS Courses	Mont CC	GRCC	Davenport University	Baker College	Musk CC	FSU
Accounting A/B		BA 156	ACCT 201			
Algebra 2 A or Math 4 A/B		TE 103				
American History A/B			HIST 212			
Anatomy A/B			BIOL 120			
Architectural Drafting A/B		AR 119				
Biology (Intro/Molec/ Capstone)			BIOL 110			
Chemistry A/B			CHEM 150			
Computer Applications A/ B	CMIS 100 CMIS 101	CO 101	CISP 101			
Mechanical Drafting A/B		EG 110				
Physics A/B			PHYS 110 PHYS 100L			
Sociology / Psychology			PSYC 101			
Spanish 1/2 A/ B			SPAN 111			
Spanish 3/4 A/ B			SPAN 121			

See a counselor for more information specific to the school where you are interested, and to fill out an articulation application for that school (after completion of the requirements stated in that agreement). Agreements may change from year to year.

ARTICULATION—KCTC

Kent Career Technical Center

Courses	Mont CC	GRCC	Davenport University	Baker College	Musk CC	FSU
Accounting			x			
Agriscience		x				x
Applied Construction Technology						x
Auto Collision						x
Automotive Technology		x		x		
Banking & Financial Services		x				
Biomedical Equip Technician		x				
Certified Business Tech		x	x	x		
Computerized Accounting		x	x			x
Computerized Banking		x	x			x
Criminal Justice		x				x
Diesel & Equip Technology						x
Electronics / Electrical Trades		x				x
Engineering Draft / CAD / Site Design Management	x	x				x
Graphic Design				x		x
Health Careers		x	x	x		x
Hospitality		x	x	x		x
HVACR		x				x
Information Technologies		x	x	x		
Marketing: Retail & Management			x			x
Microsoft Office Certification		x	x			x
Online Accounting		x				x
Regional Theatre Technology		x				

ARTICULATION—NCCTC

	Baker College	Musk CC	FSU
Accounting / Financial Management	ACC 101 ACC 121	BUS 101	ACCT 201
Advanced Automotive	AST 102 AST 111A AST 221A AST 231A	AT 114 AT 120 AT 210 AT 212	AUTO 112 AUTO 113
Building Trades			BCTM 213
Computer Aided Drafting	ACT 101 ACT 102 CAD 111 CAD 112 ME 101	CAD 100 CAD 110 CAD 130	CDTD 111 CDTD 112
Cosmetology			(1) Business Administration (2) Small Business & Entrepreneurship BS Degree (3) Associate Degree in General Business
Culinary Arts	CUL 131A CUL 141		RFIM 113 RFIM 114 RFIM 115 RFIM127 RFIM 204 RFIM 211 RFIM 229
Early Childhood Education	ECE 101B ECE 111B	ED 120 ED 118	Free Elective EDCD 104
Electronics	EET 111A EET 115	ELTC 101 ELTC 109	EEET 111 EEET114 EEET115 EEET122
Graphic Communication	GRC 100 GRC 101A GRC 104 GRC 121 GRC 131A	GR 110 GRD 107 GRD 130	GRDE 109 GRDE 116
Health Occupations	MED 103 MED 105 Basic Human Anatomy		MRIS 102 CCHS 102
Heavy Equipment Technology			HEQT 120 HEQT 101
Management Support	OAD 121 WPG 101B WPG 122 WPG 123 WPG 224		ISYS 105 ISYS 270 ISYS307 ISYS 310 ISYS 325 ISYS 411 ISYS 216 ISYS 316
Mechanics Technology (East/West)			AUTO 112 AUTO 113
Precision Machining			MFGT 110 MFGT 113
Welding		Welding 101	Welding 113

CREDIT EQUIVALANCY—NCCTC

PA 208 and 209 – Effective April 2015

Content Areas	MMC	CTE options	Personal Curriculum Options
4 Math Credits	Algebra I Geometry Algebra II 4th Year math	**Other math related can be met through the following classes:** Graphics Communications Business Applied Technology Culinary Arts Automotive Technology Construction Trades Truck & Heavy Equipment Technologies Mechanical Engineering Welding Health Science Cosmetology Early Childhood	• **Algebra II modifications (choose)** • Successfully earn 1 semester of Algebra II • Algebra II Content over 2 years for 2 full credits • Successfully earns 1 semester of statistics, functions, and data analysis • Successfully earns 1 semester of technical mathematics **All students MUST do all** • Successfully earn 3.5 credits of math (including geometry and algebra) • Successfully earn at least 1 math credit during the final 2 years of high school
4 ELA Credits	ELA 9 ELA 10 ELA 11 ELA 12	None	None
3 Science Credits	Biology Physics or Chemistry 3rd Science	1 credit Biology 1 credit Chemistry, Physics, Anatomy, Ag Science or 1 course that covers Chemistry and Physics benchmarks Science 3rd credit Option 1: 1 credit Computer Science Option 2: Formal CTE Program or Curriculum	None
3 Social Studies Credits	10 US History and Geography World History and Geography ½ credit in Economics Civics	None	**2 credits completed, including civics** **3rd credit may be earned by**: • 1 additional credit in: English Math Science Language other than English **OR:** Completion of a formal CTE program *This credit must be in addition to the number of those credits otherwise required.*
Health and Physical Education	1 credit in health and physical education **OR** ½ credit in health and ½ credit awarded for participation in extracurricular activities involving physical activity	With Personal Curriculum only	**1 credit may be earned by:** • 1 additional credit in: English Math Science Language other than English **OR:** Completion of a formal CTE program *This credit must be in addition to the number of those credits otherwise required.*
Visual and Performing Arts	1 credit in visual arts, performing arts, or applied arts	All CTE programs are considered to be *applied* arts courses	**1 credit may be earned by:** 1 additional credit in: English Math Science Language other than English **OR:** Completion of a formal CTE program *This credit must be in addition to the number of those credits otherwise required.*
World Language	1 credit (K-12) that is grade-appropriate in a language other than English 2nd credit (K-12) that is grade-appropriate in a language other than English **OR:** Completion of a district-approved CTE program **OR:** 1 additional credit in visual or performing arts	(graduation class of 2012-2020 only) May replace 1 credit by completing a Formal CTE program Note: Class of 2015 has never been mandated to complete 2 credits in World Language (Excludes Criminal Justice & Early Childhood)	None

CREDIT EQUIVALANCY—KCTC

High School Credit Equivalency by Tech Center Program

Arts & Communications

	Math		ELA		Science & World Lang		VPAA	OLE
	Yrs @KCTC	Credit	Yrs @KCTC	Credit	Yrs @KCTC	Credit	Meets	Meets
Graphic Communications	1	.5	2	.5	1	1	Yes	Yes
3D Animation/Game Design	1	.5	1	1	1	1	Yes	Yes
Theatre Technology					2	1	Yes	

Business, Management, Marketing

	Math		ELA		Science & World Lang		VPAA	OLE
	Yrs @KCTC	Credit	Yrs @KCTC	Credit	Yrs @KCTC	Credit	Meets	Meets
Accounting	1	1	1	.5	1	1	Yes	Yes
Information Technology	1	.5	1	.5	1	1	Yes	Yes
Entrepreneurship & Marketing	1	.5	1	.5	2	1	Yes	Yes

Engineering, Manufacturing, Industrial Technology

	Math		ELA		Science & World Lang		VPAA	OLE
	Yrs @KCTC	Credit	Yrs @KCTC	Credit	Yrs @KCTC	Credit	Meets	Meets
Alternative Energy*	1	.5	1	.5				Yes
Applied Construction	2	1			2	1	Yes	Yes
Engineering CAD/Site Design Management	2	1	1	.5	2	1	Yes	Yes
HVACR	1	.5			2	1	Yes	Yes
Exploration of Mechatronics*	1	1						Yes
Full Mechatronics	1	1			1	1	Yes	Yes
Precision Machining	2	1			2	1	Yes	Yes

Transportation

	Math		ELA		Science & World Lang		VPAA	OLE
	Yrs @KCTC	Credit	Yrs @KCTC	Credit	Yrs @KCTC	Credit	Meets	Meets
Auto Collision	2	1			2	1	Yes	Yes
Automotive Technology	2	1	2	.5	2	1	Yes	Yes
Avionics	1	.5	2	.5	2	1		Yes
Aviation Maintenance Technology	1	.5	2	.5	2	1		Yes
Diesel & Equipment Technology	1	.5			2	1		Yes

Health Sciences

	Math		ELA		Science & World Lang		VPAA	OLE
	Yrs @KCTC	Credit	Yrs @KCTC	Credit	Yrs @KCTC	Credit	Meets	Meets
Certified Nursing Assistant (CNA)	1	.5	1	.5	1	1	Yes	Yes
Rehabilitation	1	.5	1	.5	1	1	Yes	Yes
Exploring Health Careers	1	.5	1	.5	1	1	Yes	Yes
Pharmacy Technician	1	.5	1	.5	1	1	Yes	Yes
Health Sciences Early College Academy	1	.5	1	.5	1	1	Yes	Yes

Human Services

	Math		ELA		Science & World Lang		VPAA	OLE
	Yrs @KCTC	Credit	Yrs @KCTC	Credit	Yrs @KCTC	Credit	Meets	Meets
Criminal Justice	1	.5	1	.5	2	1	Yes	Yes
Hospitality	1	.5	2	.5	2	1	Yes	Yes

Agriscience

	Math		ELA		Science & World Lang		VPAA	OLE
	Yrs @KCTC	Credit	Yrs @KCTC	Credit	Yrs @KCTC	Credit	Meets	Meets
Sustainable Agriscience	2	1	2	.5	2	1	Yes	Yes

* Non state approved. May receive science OR math credit. Contact Student Services for more info.

For more information contact counselors Gary Moline and Lara Roessler.