

2024-2025
Course Guide
Dansville High School



A G G I E S

Dansville High School

Course Selection Guide 2024 – 2025 School Year

Dansville High School Requirements for Graduation

We follow the Michigan Merit Curriculum guidelines as set forth by the State of Michigan. They have enacted a rigorous set of statewide graduation requirements. The following requirements, as established by law and/or the School District of Dansville, must be successfully met prior to graduation to receive a diploma.

Total number of credits needed for graduation for all students is 22 ½. Students must be enrolled each year full time (six classes a semester).

Specific course requirements are:

- Four credits of English
 - One credit of ELA 9
 - One credit of ELA 10
 - One credit of ELA 11
 - One credit of English elective
- Four credits of Math
 - One credit of Geometry
 - One credit of Algebra I
 - One credit of Algebra II
 - One credit of math in senior year
- Three credits of Science
 - One credit of Earth Science/Environmental Science.
 - One credit of Physics I/Chemistry I
 - One credit of Biology
- Three credits of Social Studies
 - One credit of U.S. History and Geography
 - One half credit of Economics
 - One half credit of Civics
 - One credit of World History and Geography
- One credit of Health and Fitness
- One credits of Visual, Performing, Applied Arts
- Two credits of World Languages (same language)

*Dansville High School also **requires** all students to take and put forth effort on the Michigan Merit Exam to graduate. The MME is administered to all students during their junior year.

Michigan Four Year University Entrance Requirements

High school students entering public four-year universities in Michigan are required to have completed certain high school academic classes. Below is a list of the requirements.

Area of Study	Requirements
English	4 credits required
	Credits must be from courses covering literature, composition, standard language usage, and essay/theme writing
	Power Reading does not count toward credit requirement
Mathematics	4 credits required – 4 credits strongly recommended beginning with Algebra I
Social Sciences	3 credits in US History, Economics, Geography, Government, Political Science, and/or Psychology
Science	3 credits required – 4 credits strongly recommended
	1 credit of Earth Science required
	1 credit of Physics/Chemistry required
	1 credit of Biology required
	1 credit of Adv. Chemistry or Physics required by MOST Colleges
Other Recommended Units	
Foreign Language	2+ credits strongly recommended
Computer Literacy	1 credit strongly recommended
Fine/Performing Arts	2 credits strongly recommended

Colleges and universities encourage students to take Advanced Placement courses. They also recommend that students take all academic courses during their senior year.

COURSE INDEX

Available Courses for the 2024-25 School Year

Listed Alphabetically by Department

ENGLISH/LANGUAGE ARTS

CREATIVE WRITING

0.5 Credit

Prerequisites: None
other year

Grade Level: 9-12

Course Offered: Every

Course Description:

This course will emphasize language expression through a variety of creative and literary outlets. Students will learn to provide positive support for their fellow writers as well as to revise their work using concrete, sensory details and appropriate choice of diction, syntax, purpose, and audience. The literary forms developed in class will include poetry, short stories, plays, journalism articles, children's books, essays, and other assignments that experiment with creating unique written work.

CRITICAL APPROACHES THROUGH LITERATURE

0.5 Credit

Prerequisites: None
other year

Grade Level: 9-12

Course Offered: Every

Course Description:

This class will explore a variety of English concepts, but it will focus mainly on projects about English-speaking countries around the world. We will explore the literature of these different cultures, and we will creatively write and present about these countries. This class will provide students with a deeper understanding of the world around them, all while recognizing a common trait that connects us all: language.

ELA 9

1 Credit

Prerequisites: None

Grade Level: 9

Course Offered: Every year

Course Description:

A general English course designed to introduce the student to writing and literature. Emphasis is placed on skill development in reading and writing. Research skills are reviewed and there is daily homework. Students must independently read four or more books per semester.

ELA 10**1 Credit****Prerequisites:** ELA 9**Grade Level:** 10**Course Offered:** Every year**Course Description:**

English 10 is a general English course designed to introduce students to different forms of literature and writing styles. There will be daily discussion, reading, and writing expected both inside and outside the classroom. This course is standards-based according to the Common Core Standards and covers reading, writing, speaking and listening, and language standards.

ELA 11**1 Credit****Prerequisites:** ELA 9, ELA 10**Grade Level:** 11**Course Offered:** Every year**Course Description:**

This course covers critical moments in American history through literature with the goal of revealing how history has created the modern American culture. Students can expect to analyze connections between our lives today and famous literary and historical occurrences and characters. In addition, students will continue to build knowledge of reading strategies, literary analysis skills, grammar, sentence structure, research skills, and writing techniques in a variety of genres. Readings will include drama, short stories, essays, poetry, and novels. Assessment will include tests, papers, presentations, and projects.

PUBLICATIONS A & B**0.5 Credit****Prerequisites:** None**Grade Level:** 9-12**Course Offered:** Every other**Course Description:**

Students in this course will write, design, and gather videos & pictures to be published in everything from advertisements to the yearbook. Students will learn about visual and written journalism, public speaking, media design, publication, and ethical standards.

MATHEMATICS

ALGEBRA I**1 Credit****Prerequisites:** None**Grade Level:** 9-10**Course Offered:** Every year**Course Description:**

Linear, Quadratic, Polynomial, Exponential and Logarithmic functions are introduced, graphed, solved and applied in various real-life situations. Linear systems are graphed and solved along with a review in absolute value and inequalities.

ALGEBRA II

1 Credit

Prerequisites: Algebra I

Grade Level: 9-12

Course Offered: Every year

Course Description:

Review of major functions from Algebra I with an introduction of solving, applying and graphing rational and trigonometric functions. Sequences, series, and data analysis are also covered along with conic sections. This course is primarily for college bound math students. A good basis for college math will be established. This is also a good class in preparation for business or science majors.

COMPUTER SCIENCE DISCOVERIES

1 Credit

Prerequisites: None

Grade Level: 9-12

Course Description:

Computer Science Discoveries (CS Discoveries) is an introductory computer science course that empowers students to create authentic artifacts and engage with computer science as a medium for creativity, communication, problem solving, and fun. Units include Problem Solving, Web Development, Animations and Games, The Design Process, Data and Society, and Physical Computing. This can count as Senior year math.

ENGINEERING ESSENTIALS

1 Credit

Prerequisites: None

Grade Level: 9-12

Course Offered: Every year

Course Description:

Learn how you can improve the world with Engineering Essentials! Explore how engineers make a difference and improve lives, while using modern engineering tools, such as geographic information systems, 3-D solid modeling software, and prototyping equipment. Work on your own and as part of a team to develop solutions to community and global challenges that the next generation of engineers will face. This can count as Senior year math.

GEOMETRY

1 Credit

Prerequisites: None

Grade Level: 9

Course Offered: Every year

Course Description:

The first nine weeks' students learn definitions, and the distinction between theorems and postulates. Problems involving areas of polygons and circles, and volumes of prisms, pyramids, cones, and cylinders are covered in great detail. Differences between inductive and deductive reasoning are learned.

TRIGONOMETRY/ ALGEBRA III

I Credit

Prerequisites: Algebra II

Grade Level: 10-12

Course Offered: Every year

Course Description:

This class is designed for those students desiring to take a higher math credit, but not necessarily interested in AP Calculus. The class will be split into two parts – during the first half of the semester, students will study discrete mathematics (statistics, probability, sequences and series, and conics). During the second half of the semester, students will focus on building understanding and the algebra skills necessary to deal with trigonometric relationships found in angles, triangles, and real-life situations. The trigonometry portion of the class is the same as the trigonometry portion of Trig/AP Calculus.

SENIOR MATH

I Credit

Prerequisites: Algebra II

Grade Level: 11-12

Course Offered: Every year

Course Description:

Senior Math is intended for students interested in learning about a variety of *real-world* applications of math topics. Topics are scheduled to include financial math (i.e. budgeting, investing, financial decision-making), data science, spreadsheet basics, applications of trigonometry, algebra, measurement, introductory statistics, and probability, and more.

SCIENCE

BIOLOGY

I Credit

Prerequisites: Earth Science

Grade Level: 11

Course Offered: Every year

Course Description:

This course covers the basic principles of the chemistry of living things and relates biochemical processes to the structure of individual cells. A systematic development of the relations between structure and function in the organization of higher plants and animals, stresses the similarities and differences between the physiology of plants and animals and the relations of both to the physiology of cells.

EARTH SCIENCE

I Credit

Prerequisites: None

Grade Level: 9

Course Offered: Every year

Course Description:

In this course, you will be learning about the world around us and the many processes that are constantly changing within the Earth. Students will learn about the formation of stars and study our Sun in order to understand where the energy comes from that we use on Earth. Students will study how the Earth functions as a system and human impacts on those systems. This will be accomplished through discussions, assignments, activities, labs, and projects.

FORENSIC SCIENCE**1 Credit****Prerequisites:** None**Grade Level:** 9-12**Course Offered:** Every year**Course Description:**

Students will use the scientific practices to discover what it means to be a forensic scientist. Students will develop skills that are necessary as a forensics scientist, examine real world cases where they will learn how to collect and analyze evidence, and work collaboratively to solve real world crimes. Students will become familiar with different careers within the forensics science field and examine the challenges currently being faced by the field. This course will involve hands-on work (labs and other activities), as well as research skills, and teamwork to solve cases.

NATURAL RESOURCES (FORESTRY & WILDLIFE MGT)**1 Credit****Prerequisites:** None**Grade Level:** 9-12**Course Offered:** Every other**Course Description:**

This course will focus on learning how to grow and harvest products from nature. We will learn the basics of forestry such as identification, growth and management. We will look at how woodlots provide habitat for many species of animals and how to manage them. Students will learn to manage wildlife (both plants and animals). The major class project will be maple syrup production. Students will have the opportunity to work with our hydroponics system, worm compost bins and learn to harvest food products from their own backyard.

Membership and participation in the National FFA Organization is highly encouraged, but not mandatory. Students will gain leadership, communication, and teamwork skills.

PHYSICS I/CHEMISTRY I**0.5/0.5 Credit****Prerequisites:** Earth Science**Grade Level:** 10**Course Offered:** Every year**Course Description:**

Throughout this course, students will be investigating interactions of matter and energy to explain real world phenomena at a microscopic level. Students will develop a model of electric interactions to explain electrostatic phenomena and the ways in which these interactions shape the world around us. Students will then apply these concepts of matter and energy to investigate properties of waves electromagnetic radiation. Finally, students will continue to apply these models of the interactions of matter and energy to explain different kinds of chemical reactions and their importance for life on earth. Students will engage in scientific practice to collect and analyze evidence in an effort to construct and support claims about the world around us.

PHYSICS II/CHEMISTRY II

0.5/0.5 Credit

Prerequisites: Physics I/Chemistry I

Grade Level: 11-12

Course Offered: Every year

Course Description:

Students will use scientific practices to investigate motion and collisions of objects and apply mathematical relationships to solve problems related to transportation. Students will then analyze the ways in which energy is transferred from Earth's systems to human-made systems to power our world. Students will continue to apply these concepts of energy transfer to explain patterns in physical and chemical properties and reactions of the substances that make up our earth; and analyze how these interactions can be understood and used by humans to design solutions that improve our world. A background in Algebra is required. This can count as Senior Math

ZOOLOGY II

1 Credit

Prerequisites: None

Grade Level: 9-12

Course Offered: Every other

Course Description:

This course is for anyone considering a career that involves animals. We will focus on livestock species raised in production agriculture. Students will gain husbandry skills and the management, care, and nutrition of animals. Students will learn to promote the health and welfare of the animals and the profitability of the farm.

Other topics will include animal species identification, selection, anatomy, breeding, and genetics. Students will raise chickens for the broiler contest and will be able to take them for processing on contest day. Record keeping will be an important part of this project.

Membership and participation in the National FFA Organization is highly encouraged, but not mandatory. Students will gain leadership, communication, and teamwork skills.

SOCIAL STUDIES

CIVICS (Government)

0.5 Credit

Prerequisites: None

Grade Level: 10

Course Offered: Every year

Course Description:

U.S. Government investigates the entire American federal system of government from the national level to the local level. Each level will be tied into the current political scene and how the student can play a part in that scene. Added emphasis will be placed on the nature of politics and its role in society.

ECONOMICS

0.5 Credit

Prerequisite: None

Grade Level: 10

Course Offered: Every year

Course Description:

Economics is the study of how societies determine value and exchange objects of value. The study of economics helps us to understand some of the most powerful forces in society: desire, ownership, profit, injustice, and equality. You will gain a basic understanding of how markets work and also about your role in the economy, helping you to make rational decisions and make your money count by learning how to use a budget, balance your checkbook, be smart with credit, compare renting versus owning and other similar life skills. The course will also focus on a variety of “big picture” economic issues, including international markets and globalization. Its intent is to give you a solid base in economics by introducing you to many concepts that you will encounter in college courses and, more importantly, life in general. Level of math skills required is pre-algebraic.

U.S. HISTORY & GEOGRAPHY

I Credit

Prerequisites: None

Grade Level: 9

Course Offered: Every year

Course Description:

U.S. History is designed to introduce students to American cultural, political, economic and social history from post-reconstruction up to modern times. Each time period and/or topic will be analyzed as to its causes and effects upon America in the past as well as today.

WAR, REVOLUTION, & PEACE

I Credit

Prerequisite: None

Grade Level: 9-12

Course Offered: Every other year

Course Description:

From the dawn of mankind to the 21st century, warfare has played a significant role in shaping the world. This course is designed to be more than just a survey of the history of military thought and practice. We will examine the historical contexts that have nurtured both times of war and peace, situating the conflicts within a cause and effect framework. How humans define themselves through politics, ethnicity, class and religion will be a recurring theme, since they are often the motivations or rationales for conflict. It all ties together and we will continually try to apply the lessons of history to current social and political events. By the end of this class, you will not be able to watch the nightly news or read a newspaper without making connections through 4,000 years of history.

WORLD HISTORY AND GEOGRAPHY

1 Credit

Prerequisite: None

Grade Level: 11

Course Offered: Every year

Course Description:

The purpose of this course is to develop a basic understanding of the formative themes of world history. This includes an integration of geographical, economic, technological, intellectual, social, religious, political, and current events to understand the big picture of history. Cause and effect, opposing viewpoints and hypothetical alternative outcomes (what if...) will be additional methods used to determine how we interpret the past. Because this is world history, the course will be a survey rather than an in-depth analysis of any single culture or time period. It will serve students as a stepping-stone for further study at the high school and college levels.

PHYSICAL EDUCATION

P. E.

0.5 Credit

Prerequisites: None

Grade Level: 9-12

Course Offered: Every year

Course Description:

Physical Education is a half credit course that consists of a variety of skills and sports that will enable students to have a competent level of fitness, motor skills, sportsmanship, and general knowledge of techniques, strategies and rules involved with team and lifetime sports. The class work is comprised of participation, skill-based learning targets, and weekly fitness testing. The activities will be related to invasion games, net/wall games, target games, striking/fielding games, and general fitness. Students will also be instructed in basic principles of strength training & conditioning 2-3 times a week.

HEALTH

0.5 Credit

Prerequisites: None

Grade Level: 9-12

Course Offered: Every year

Course Description:

Health is a half credit class comprised of maintaining lifelong health and wellness. The topics include social and emotional health, nutrition and physical education, safety, alcohol, tobacco and other drugs, personal health, and wellness, as well as healthy and responsible relationships related to HIV, other STIs, and pregnancy prevention.

STENGTH & CONDITIONING

0.5 Credit

Prerequisites: None

Grade Level: 10-12

Course Offered: Every year

Course Description:

This course is designed as an introductory course to athletic conditioning and strength training. This class will promote students' knowledge in developing, tracking, and learning about resistance training as it relates to athletics. Students will be instructed in basic principles of strength training & conditioning. The course focus is on functional strength training which includes functional movement,

mobility and principles of strength training and conditioning. Students will be provided quality workout opportunities based on the strength training principles taught. Topics include systematic body weight training, strength training, plyometric training, speed & agility training, physiology of exercise, and other training methods. Tests and measurements of fitness, strength, & conditioning, as a means of evaluating progress, will be part of this course.

VISUAL, PERFORMING, APPLIED ARTS

ART EXPERIENCE

0.5 Credit

Prerequisite: None

Grade Level: 9-12

Course Offered: Every year

Course Description:

This course is an exploratory art class. Here, you will sample a variety of mediums and techniques in both 2D and 3D design, such as drawing, painting, photography, collage, and printmaking. Art criticism, aesthetics, and art history will be incorporated. Emphasis will be placed on exploration and skill building, abilities necessary for advanced art courses. Sculpture is not being offered this year, so this class will also include 3 ceramics/clay projects.

BAND

1 Credit

Prerequisites: Enrollment in MS or HS band or by auditions

Grade Level: 9-12

Course Offered: Every year

Course Description:

High School Band provides an engaging and educational experience for students progressing towards proficiency on a wind instrument or in the area of percussion. Band students will prepare and perform music in two distinctly different ensembles - marching band and concert band. The marching band will perform at all home football games, the Memorial Day Parade, at select home basketball games and at a variety of marching band exhibitions. The Concert Band will perform at three concerts, MSBOA District Band Festival, and High School Commencements. Students will also have the opportunity to further develop as individual performers on their own instrument with experiences at MSBOA District and State Solo and Ensemble Festivals. Students will also have the opportunity to explore the areas of jazz, music history, music theory, composition and improvisation within the band program. Grading will be a reflection of each student's development on his or her own instrument in the areas of tone, intonation, rhythm, technique and musicianship, as well as their contribution to the overall ensemble's progress.

DIGITAL ARTS & PHOTOGRAPHY

0.5 Credit

Prerequisites: None

Grade Level: 9-12

Course Offered: Every year

Course Description:

In this course, you will work with digital technology to produce artistic images. In addition to the elements and principles of art, you will learn computer illustration techniques, image manipulation, digital camera use, graphic design skills. You will also get the opportunity to design and publish the yearbook. From painting to photography, and now to computers, the ways in which art is made will always change and we will explore that here. This class gets you making art for today's world.

PAINTING

0.5 Credit

Prerequisites: None

Grade Level: 9-12

Course Offered: Every year

Course Description:

This class is a semester of in-depth focus on painting. You will be using a variety of different types of paint mediums such as watercolor, acrylic, tempera, printing ink, and latex paints. We will study color theory and works of art created by well-known artists. You will incorporate this into style choices, use of color, and new techniques. You will be able to create beautiful solutions to the visual challenges presented to you.

MULTI MEDIA

0.5 Credit

Prerequisites:

Grade Level: 9-12

Course Offered: Every year

Course Description:

This class is a medley of fun art activities and the cultures behind them. Moving beyond traditional 2D art, we will explore various materials and crafts and learn how artists of the past have elevated them. Ceramics, collage, printmaking, textiles, glass, and metal tooling are some of the forms that may be explored through this one-semester course.

WORLD LANGUAGE

SPANISH I

1 Credit

Prerequisites: None

Grade Level: 9-12

Course Offered: Every year

Course Description:

First year Spanish is a one-credit introduction to the Spanish language. It emphasizes the development of fluency in the language especially in understanding, speaking, reading & writing, using second language acquisition-driven language instruction (SLA, ADI) through comprehensible input and communicative language teaching which is supported by pop-up grammar lessons & focused study of vocabulary. Culture and meaning are explored through the study of modern music and pithy sayings. Students will read a novel written in level appropriate Spanish as a means of promoting fluency and developing their understanding of their own culture and the culture of other places. The students are expected to be fully active participants at all stages of learning.

SPANISH II

1 Credit

Prerequisites: Spanish I

Grade Level: 9-12

Course Offered: Every year

Course Description:

Spanish 2 is a one-credit continuation of Spanish I. It further develops proficiency in speaking and understanding; develops increased reading & writing skills, using second language acquisition-driven language instruction (SLA, ADI) through comprehensible input and communicative language teaching which is supported by pop-up grammar lessons & focused study of vocabulary. Understanding of culture, meaning and connections are deepened through the study

of modern music and pithy sayings. Students will read a novel written in level appropriate Spanish as a means of promoting fluency and developing their understanding of their own culture and the culture of other places. The students are expected to be fully active participants at all stages of learning.

OFF CAMPUS PROGRAMS

DUAL ENROLLMENT

Credit: Varies

Grade Level: 9-12

Prerequisites: Must achieve a state endorsement in all subject areas of the PSAT, SAT OR go to LCC and take the ACCUPLACER and receive college ready scores in Math, Reading, and Writing.

Course Description:

Dansville High School students are able to take college courses and receive high school credit and/or college credit by dual enrolling at a local college. Dual Enrollment does not take the place of required classes for graduation. They are considered elective credit. Dansville Schools will cover the tuition and books for eligible students; families are responsible for transportation.

For Eligibility in the Concurrent Dual Enrollment Program:

- Applicants must be working toward graduation requirements at Dansville High School.
- Three-four semester hours of credit at an accredited institution (e.g. LCC) will equal one (1) semester credit at DHS.
- Has earned a qualifying score in the subject area in which student intends to Dual Enroll.
- Students are responsible to get all paperwork in on time.
- One dual enrollment class equates to one semester credit at DHS.
- Students are eligible for a maximum of ten (10) courses overall to be paid for by the school district.
- Any additional courses may be taken at the family's expense.
- If a student does **not** earn credit in any course paid for by the school district (either through withdrawing from the course or not earning a passing grade), the family is responsible for any charges not returned to the school district by the post-secondary institution tuition, fees, and the cost of books.

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SAT Cut-Scores for Placement Levels for LCC

SAT Math	Placement Level
690	Math Level 9
620	Math Level 7
550 College Level	Math Level 6
450	Math 109 (No math level applied)

SAT Evidence-Based Reading and Writing	Placement Level
480	Reading Level 5, Writing Level 6

SAT Reading*	Placement Level
24	Reading Level 5

SAT Writing and Language*	Placement Level
25	Writing Level 6

SPECIAL PROGRAMS

ADVISORY

0 Credits

Grade Level: 9-12

Course Offered: Every Year

Course Description:

Students will receive instruction and guidance from the teacher of record to support their overall academic achievement. Topics will include personal responsibility, goal setting, academic advising, critical thinking, and future goal planning. The class will also offer academic assistance for students to review and complete the Michigan Merit Curriculum Content Standards within their current coursework.

VIRTUAL HIGH SCHOOL

0.5 Credits

Grade Level: 9-12

Prerequisites: Ms. Lloyd & Parent permission

Course Offered: Every year

Course Description:

Online courses offer a unique opportunity to students in that they provide pupils with the flexibility to participate in the course outside of the regular school day and/or off-site at home. Most students thrive in the traditional classroom environment with daily teacher/student interaction. However, there are some students that are very self-motivated and flourish in an environment with limited teacher supervision. Completion with a passing grade is required before any additional online courses may be scheduled. This type of class is limited to two courses per semester. The student will receive credit and an assigned letter grade from their online teacher at the end of the course.

2024-25 Wilson Talent Center Programs

For the most updated information please visit <https://www.inghamisd.org/wtc/>.

Automotive Technology

Using the latest diagnostic equipment and computer technology, students learn the technical skills for a career in automotive service and engineering. Over two years, students participate in an Automotive Service Excellence (ASE) and National Automotive Technicians Education Foundation (NATEF) certified training program offering several occupational specialties as well as state certification. The State of Michigan certification tests are provided free of charge to eligible WTC students. Students also have the opportunity to participate in a race team as part of this program. Students may qualify for college credit.

GRADE LEVEL	PROGRAM DURATION	TIME OFFERED	TRANSPORTATION
Junior	2 Years	AM and PM	Provided

BioScience Careers

Students in this program will use state-of-the-art technology and equipment and offer an expansive pallet of career interests from veterinary medicine to forensic science or microbiology just to name a

few. Other areas of study include DNA technology, plant science, biofuels, water technology/aquaculture and food service. Students in this program will participate in either an FFA (Future Farmers of America) or Science Fair Competition. Students may qualify for college credit.

GRADE LEVEL	PROGRAM DURATION	TIME OFFERED	TRANSPORTATION
Junior/Senior	1-2 Years	AM and PM	Provided

Business and Risk Management

Business and insurance careers offer great earning potential, stability in a growing industry as well as a challenging and rewarding career path. Students will also explore entrepreneurship, writing business plans and participate in BPA competitions. This program allows students to explore the insurance industry through a partnership with nationally recognized, AF Group. Students enrolled in this program will spend time in the classroom and occasionally at AF Group gaining hands-on experience and hearing directly from industry professionals. Students may qualify for college credit and a Capital Region Technical Early College program is available.

GRADE LEVEL	PROGRAM DURATION	TIME OFFERED	TRANSPORTATION
Junior/Senior	1-2 Years	Yr1-AM & Yr2-PM	Provided

Capital Area Patient Care Technician (CA-PCT)

(Student provides own transportation)

This second year healthcare course gives students the opportunity to explore a variety of careers within a hospital setting while also being trained to become a certified Patient Care Technician. PCT's provide help to patients in hospitals, doctor's offices and nursing homes. Students will rotate through various clinical sites and have the opportunity to earn 2 additional certifications including phlebotomy or EKG Interpretation. Students may qualify for college credit.

GRADE LEVEL	PROGRAM DURATION	TIME OFFERED	TRANSPORTATION
Senior*	1 Year	AM	Not provided

*Students must have completed Health Foundations

Intro to CTE

Students will learn how to communicate, work as a team, and increase their basic skills to make them stand out as a potential job candidate. Career opportunities can include Hotel and Restaurant Industry, Facilities Maintenance, Food Service, and many other choices. Students also have the opportunity to apply their learning by running the school store, Campus Corner. In addition, students can have the opportunity to have exposure in other WTC programs as a time limited experience to see what other programs offer. A variety of certifications are available to students in this program.

GRADE LEVEL	PROGRAM DURATION	TIME OFFERED	TRANSPORTATION
Junior/Senior	1-2 Years	AM and PM	Provided

Construction Technology

Students are exposed to a wide range of construction skills. Major emphasis areas are carpentry, electrical and plumbing. Students are also exposed to surveying, drywall, painting, roofing, siding, tile work, design and estimating. After exposure of the four main areas, students can choose their area of interest and specialize in that area. Students also have the opportunity to participate in field trips,

work-based learning, apprenticeships, and regional, state and national competitions. Students may qualify for college credit.

GRADE LEVEL	PROGRAM DURATION	TIME OFFERED	TRANSPORTATION
Junior/Senior	1-2 Years	AM and PM	Provided
<i>*First year seniors can be enrolled after all eligible juniors, pending available seats.</i>			

Cosmetology

Students learn the artistry, chemistry, anatomy and salon business operations necessary to become a successful cosmetologist. Students work with real clients in a salon/classroom setting, learning the theory and application skills necessary to become eligible to take the State of Michigan Board of Cosmetology examination and earn their Cosmetologist license. Both first- and second-year students are required to attend extended classrooms hours on a daily basis, Saturday, and one week in June. Transportation to the WTC for daily class, Saturdays and summer session is the parent/guardian's responsibility. Students may qualify for college credit.

GRADE LEVEL	PROGRAM DURATION	TIME OFFERED	TRANSPORTATION
Junior	2 Years	PM	Not Provided

Criminal Justice

This program is for students who are interested in being part of a team, taking on leadership roles and/or defending other people's rights. This program is made up of two 1-year classes, Law Enforcement and Investigations. The Law Enforcement class will provide students training in patrol tactical skills, defensive tactics, as well as hands-on operation and use of law enforcement technology and equipment. The Investigations class will introduce students to techniques used to gain information related to crimes, learn how to preserve the integrity of a crime scene, fingerprinting and the gathering of evidence. Students may qualify for college credits.

GRADE LEVEL	PROGRAM DURATION	TIME OFFERED	TRANSPORTATION
Junior/Senior	1-2 Years	AM and PM	Provided

Culinary Arts & Hospitality

Culinary Arts education is designed to provide students who are focused on a food service career the opportunity to learn appropriate food preparation techniques required of culinary arts professionals. Students will have the opportunity to use their own creativity developing original recipes, experiment with world cuisine preparation, and ultimately develop a portfolio of their culinary achievements for post-secondary education and/or employment. Students will participate in and plan catering events and prepare menus. Students may qualify for college credit and a Capital Region Technical Early College program is available.

GRADE LEVEL	PROGRAM DURATION	TIME OFFERED	TRANSPORTATION
Junior/Senior	1-2 Years	AM and PM	Provided

Cybersecurity and Digital Forensics

This program allows students to be part of cutting-edge technology in some of the fastest growing and emerging careers. Areas of study for this program include basic computer safety, social engineering, essential security awareness, implementing counter measures to keep data safe as well as the study of

methods of deception. Numerous industry certifications are available for students to earn. Students may qualify for college credit.

GRADE LEVEL	PROGRAM DURATION	TIME OFFERED	TRANSPORTATION
Junior/Senior	1-2 Years	AM and PM	Provided

Educational Careers

The Educational Careers program will help students prepare for an exciting future career in positions ranging from Childcare Workers, Childcare Directors, Head Start or Preschool Teachers, Paraprofessionals, K-12 Teachers, Principals, Counselors, Coaches, Youth Activity Coordinators and Parks and Recreation Leaders just to name a few. Some careers in this field will be possible after immediate completion of the program and others will require additional training and education. Students in this program will take two one-year courses where they will learn about key components in the education and childcare fields including child development, classroom management, and lesson and activity design. In addition, students will have the opportunity to utilize their training in a real-world setting. Students will also have the opportunity to earn both a state and national certification in the program.

GRADE LEVEL	PROGRAM DURATION	TIME OFFERED	TRANSPORTATION
Junior/Senior	1-2 Years	AM and PM	Provided

Engineering Technologies

High tech robotics, advanced electronics and state-of-the-art manufacturing are just a few of the topics covered in this program. Students will focus on the process of defining and solving a problem, not just getting the right answer. Students will use a combination of mechanics, electronics, CAD (Computer-Aided Design), CNC (Computer Numerical Controls) and 3-D Rapid Prototype technologies. Students may qualify for college credit.

GRADE LEVEL	PROGRAM DURATION	TIME OFFERED	TRANSPORTATION
Junior/Senior	1 Year	AM and PM	Provided

Health Foundations

Students explore health care occupations as they study core medical skills including body systems, medical terminology, first aid, medical ethics, vital signs and CPR. Once a student successfully completes Health Foundations, they have a variety of specialized year 2 options available to them. Students may qualify for college credit.

GRADE LEVEL	PROGRAM DURATION	TIME OFFERED	TRANSPORTATION
Junior/Senior	1 Year	AM and PM	Provided

Manicuring

In this 1-year program, students will be exposed to all areas of Manicuring, including: manicuring and pedicuring techniques, nail enhancement and hybrid polishes. Upon completion of the program, students will be ready to take the State of Michigan Board of Cosmetology Manicurist Licensing exam.

GRADE LEVEL	PROGRAM DURATION	TIME OFFERED	TRANSPORTATION
Junior/Senior	1 year	AM	Provided

Medical Assistant

In this second-year course, students can choose to focus their education towards medical office management or clinical skill training in medical, dental, optical, pharmacy, sports medicine, emergency services, therapeutic services and clinical laboratories. Students have the opportunity to become nationally certified in Phlebotomy or Pharmacy Technician. Students will participate in a work-based learning experience in an outpatient setting such as a dentist's office, physical therapy clinic, or clinical laboratory. Transportation to clinical sites is the parent/guardian's responsibility. Students may qualify for college credit.

GRADE LEVEL	PROGRAM DURATION	TIME OFFERED	TRANSPORTATION
Senior*	1 Year	PM	Provided

*Students requesting the Medical Assistant Track must have completed Health Foundations

New Media

Working alone and in teams, students have multiple opportunities to study and apply creative elements in various media categories such as: design imaging, photography, sound, website design, video production, animation, and media ethics. Using Apple computers students learn Adobe Illustrator, Adobe Photoshop, Adobe InDesign, Final Cut Pro HD, Flash, Bryce, and Maya. Enrollment is open to juniors and seniors, with the option of a second-year independent study. Students may qualify for college credit.

GRADE LEVEL	PROGRAM DURATION	TIME OFFERED	TRANSPORTATION
Junior/Senior	1 Year	AM and PM	Provided
Senior -2 nd Year	1 Year	PM2*	Not Provided

*2nd Year New Media students only. Mon, Wed & Thurs from 3:15-5:15 in classroom and 4 hours week online coursework.

Precision Machining Technology

Today, careers in manufacturing are exciting, cutting-edge and filled with endless possibilities. Precision Machinists are needed for windmill production, medical equipment, auto parts and many other industries that require precise metal equipment. Students will become familiar with these skills, along with technical reading, problem solving and teamwork skills. In addition, they will learn to operate sophisticated manual and computerized drills, lathes, mills and grinders. Some will use Computer-Aided Manufacturing (CAM) software programs. Students may qualify for college credit.

GRADE LEVEL	PROGRAM DURATION	TIME OFFERED	TRANSPORTATION
Junior/Senior	1-2 Years	AM and PM	Provided

Programming and Mobile Applications

In this hands-on, project oriented class, students develop a portfolio of work showcasing their website skills and programming and database skills. Students design and create their own multi-media website using Macromedia Flash, Dreamweaver and Adobe Photoshop. Students program robots to compete in various challenges, create computer programs using Visual Basic.NET and create their own computer games using various software packages. Students use Adobe Photoshop and Maya animation software to create 3-D animated models and graphics for use on their website and in their computer games. Students create databases using Microsoft Access and learn how to connect computers with networks. Skills learned in class can be used by students to compete in our Business Professionals of America competitions. Students may qualify for college credit and a Capital Region Technical Early College is available to qualifying juniors. Students may qualify for college credit.

GRADE LEVEL	PROGRAM DURATION	TIME OFFERED	TRANSPORTATION
Junior/Senior	1-2 Years	AM and PM	Provided

Sports Medicine and Rehabilitation

In this second-year healthcare program students will have the opportunity to evaluate and manage injuries and chronic diseases, develop treatment plans and prescribe exercise programs through hands-on learning labs. The knowledge and skills learned in this program are beneficial for students interested in careers such as Athletic Training/Sports Medicine, Cardiac Rehabilitation, Occupational Therapy, Physical Therapy, Respiratory Therapy and Exercise Science. Students may qualify for college credit.

GRADE LEVEL	PROGRAM DURATION	TIME OFFERED	TRANSPORTATION
Senior*	1 Year	PM	Provided

*Students requesting the Therapeutic Services Track must have completed Health Foundations

Welding Technology

Students learn the art and technology of joining metals together with heat, using special equipment to perform eleven different welding processes such as oxy-fuel cutting and brazing, gas metal arc and shielded metal arc welding. Students apply technical reading, engineering theory, math and measurement skills, drafting and problem-solving skills as they read blueprints, set up and lay out projects, identify the right metals to be used and learn to accurately fabricate or repair a project. Students can train for direct job placement or can pursue welding engineering in college. Students may qualify for college credit.

GRADE LEVEL	PROGRAM DURATION	TIME OFFERED	TRANSPORTATION
Junior	2 Years	AM and PM	Provided