HIGH SCHOOL COURSE CATALOG AND PROGRAM OF STUDY

Dear Parents, Colleagues and Students,

Detroit Public Schools will intensify its high school redesign and turnaround efforts to not only continue to meet Adequate Yearly Progress (AYP), but to exceed state and national achievement targets. The high school redesign process directly supports our mission to create “excellent schools for every child in every neighborhood”. It is our intention to ensure that the high school experience for every District student will be rigorous and ensure successful entry and completion of post secondary and higher education opportunities.

Enclosed is the Detroit Public School District’s 2014-2015 Course Catalog and Program of Study. You will see that the catalog guides students in course selection and scheduling during the high school years and supports the turnaround process. The District’s Course Catalog and Program of Study is designed to help students and to assist parents in developing an educational plan for the completion of high school “on time” and with sufficient rigorous courses work for acceptance and transition into higher education. The catalog supports high standards and a rigorous curriculum that will prepare students for higher education, work, citizenship and life. It further empowers parents to be an integral part of the high school planning process with their child.

In addition to a list of high school courses offered by the District, the Course Catalog and Program of Study contains: information on promotion and graduation requirements; access to honors, advanced placement and dual enrollment opportunities.

We encourage you and your son or daughter to read and to use this catalog as a guide for educational planning throughout their high school years. Access to the catalog and program of study is also available at the District’s website at www.detroitk12.org. As additional high school initiatives are developed, and as progress is made, the catalog will be revised. Updates will be provided to you and be available at the District’s website.

We hope you will find this course catalog and program of study a useful tool in developing high expectations, success and the potential future of each of our students in the Detroit Public School District.

Sincerely,

Jack Martin
Emergency Manager

Karen P. Ridgeway
Superintendent of Academics
OUR VISION:

Detroit Public Schools has developed an Academic Plan that provides a framework for a district “turnaround” strategy: setting priorities, reallocating resources, creating new schools and management systems, and building the capacity of our staff. We are creating schools where:

Everyone knows what the goal is.
Everyone is learning more than was expected of them in the past.
Everyone understands that learning is a process.
Everyone is learning.

The following beliefs provide a foundation for a plan to realize our vision:

- The needs of children—not adults—are the basis for all decisions
- Leadership is defined as inspiring and guiding teaching and learning
- Teacher effectiveness, developed through comprehensive, prescriptive and relevant professional development, is the lever for improving student achievement
- Accountability systems that use appropriate evaluation tools to ensure adult responsibility. Responsibility for results must be shared on many levels, internally and externally.
- Everyone in Detroit gains when the community collaborates with schools to support student success.
ACKNOWLEDGEMENTS:

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# High School Course Catalog and Program of Study

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HIGH SCHOOL COURSE CATALOG &
PROGRAM of STUDY

GRADUATION, PROMOTION AND
EXTRACURRICULAR ACTIVITIES:
REQUIREMENTS

2014-2015

Detroit Public Schools
Fisher Building
3011 W. Grand Blvd., 14th Floor
Detroit, Michigan 48202
www.detroitk12.org
GRADUATION REQUIREMENTS
Effective for Students Entering 9th Grade in 2014 (Class of 2018)

HIGH SCHOOL

The total number of credits needed for graduation is twenty-three (23).

Mathematics

4 credits (Algebra I, Geometry, Algebra II, one mathematics course in final year of high school)

English Language Arts

4 Credits (English Language Arts 1, 2, 3, 4)

Science

3 Credits (Biology, Chemistry or Physics, plus one additional Science credit)

Social Studies: History, Society and Culture

3 credits (.5 credits in Civics, .5 credits in Economics, U.S. History and Geography, World History and Geography)

Physical Education and Health

1 credit

Visual, Performing and Applied Arts

1 credit

Online Learning Experience

Course, Learning or Integrated Learning Experience

World Language

2 credits (In grades 9-12; OR and equivalent Learning experience in grades K-12) Effective Beginning with Students Entering 3rd Grade in 2011 (Class of 2016)

DPS District Requirement

1 credit (Out-of Class Learning Experience of 200 Clock Hours)

All required courses/credits must be aligned with course/credit content expectations and guidelines developed by the Michigan Department of Education, and may be acquired through Career and Technical Education programs and integrated courses.
PROMOTION REQUIREMENTS

The Detroit Public School District believes that students in high school must show evidence that they are able to pass a required series of rigorous core academic courses that include English Language Arts, mathematics, science, and social studies in addition to relevant and challenging courses in world languages, visual, performing and applied arts, career and technical education and physical education.

The following guidelines for promotion apply to ninth, tenth and eleventh grade students. A student must complete the specified number of credits in order to go on to the next grade and must pass three of their core subject courses during both semesters of each year. **A student must complete the correct number of credits in order to pass to the next grade.**

**Promotion to Grade 10**
To grade 10 - students must have completed 1 credit. Students must also pass at least three of their core subject courses during both semesters as follows:
English I, Semester I and Semester II, Algebra I or higher, U.S. History AND/OR Science

**Promotion to Grade 11**
To grade 11 - students must have completed 2 credits. Students must also pass at least three of their core subject courses during both semesters as follows:
English II, Semester I and Semester II, Geometry (or higher level mathematics), Economics and Civics AND/OR Biology or higher level science, 2 credits of the same World Language to graduate (or verification of language proficiency).

**Promotion to Grade 12**
To grade 12 - students must have completed 3 credits. Students must also pass at least three of their core subject courses during both semesters as follows:
English III, Semester I and Semester II, Algebra II or higher level mathematics, World History and Geography AND/OR Chemistry or higher level science and 2 credits of the same World Language (or verification of language proficiency).

**Credit Recovery Options**
Students who fail to meet the promotion requirements are expected to complete credit recovery during Extended Day Programs, Summer School or other in-school programs that are available such as on-line course offerings.

A student may not receive an “F” in any core courses (English Language Arts, Mathematics, Science and Social Studies).

A student may not have more than 18 unexcused absences per academic year.
ELIGIBILITY REQUIREMENTS FOR EXTRA CURRICULAR ACTIVITIES

Detroit Public School League athletes must maintain a 2.0 Grade Point Average (GPA) in the required core courses: English, mathematics, science and social studies, and World Languages to be eligible to compete.

The National Collegiate Athletic Association (NCAA) requirements also apply. See your school athletic director or guidance counselor for information.

TESTING

The following tests are offered to DPS high school students:

“Testing Out” Option: If students feel they have pre-acquired skills for a course, students may request an opportunity to “test out” of a course. Testing is offered on the first Monday of each month during the school year except December. Please consult the Citywide Testing Schedule to test-out in World Languages. Students sign up online through the high school website. For more information, the student should contact his or her current counselor.

Michigan Merit Exam: Students must complete the State of Michigan High School Michigan Merit Exam (MME) in order to comply with the District’s requirements for graduation. The MME is comprised of the ACT plus Writing, the ACT WorkKeys, and the MME. Students must take all portions as directed by the State Department of Education to comply with this requirement. By participating, students meet one of the requirements for eligibility for the Michigan Promise Scholarship. The exams will be administered during the school day, within a testing window of dates designated by the State Department of Education.

PLAN (Grade 10): This test is administered to 10th graders as a preliminary ACT. The PLAN test provides information about a student’s academic performance, educational and career plans. Adequate scores will qualify the student for dual enrollment as an 11th or 12th grader. The test will be given in the fall.

PSAT (Grade 11): The PSAT is strongly recommended to college-bound juniors. PSAT measures verbal and mathematics aptitude is used as a qualifying test for national Merit Scholarship recognition. In October of each year, the PSAT will be administered to all 11th graders who have pre-registered in the Counseling Office. The test qualifies students for dual enrollment as an 11th or 12th grader.

ACT (Grades 11 and 12): The ACT is required by most Michigan four-year colleges and universities. It measures student achievement in English, Mathematics, Reading and Science reasoning. It is recommended that juniors take the ACT in December with an additional opportunity to test at no charge when they take the ACT/MME in March. Seniors may want to retest in October to try to improve a previous score. The ACT and SAT are given on Saturdays several times during the school year. Interested students should see their counselor.
TESTING (continued)

SAT I (Grades 11 and 12): The SAT is not required by any Michigan college, but may be necessary if students intend to apply to out-of-state schools. Like the PSAT, the SAT I measures verbal and mathematics aptitudes. Registration materials are available in the Counseling Office.

SAT II (Subject Tests): These one-hour tests are given on the same days the SAT I and measure what the students has learned in particular subject areas. They are not required in Michigan, but may be necessary if the student is applying out-of-state. The student should check application requirements in college catalogs to see if the SAT I tests are necessary. Registration materials are available in the Counseling Office.

Advanced Placement (AP) Test (Grades 10, 11, 12): The College Board’s Advanced Placement (AP) Program gives high school students an opportunity to pursue college-level studies while still in high school. Many colleges award college credit and/or advanced standing if the student achieves appropriate scores on the AP test administered in May. Contact your school counselor for details.

For a complete schedule and listing of District, state and national testing information, please contact your school counselor, or the Office of Research, Evaluation and Assessment at 313-576-0050.
HIGH SCHOOL COURSE CATALOG & PROGRAM of STUDY

PREPARING FOR COLLEGE

2014-2015

Detroit Public Schools
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Detroit, Michigan 48202
www.detroitk12.org
Many colleges and universities will require students to meet minimum college preparatory curriculum standards. However, just meeting the minimum is not the best way to be fully prepared to take advantage of the many and varied career opportunities available to high school graduates. High expectations and standards as indicated in the District Academic Plan implies that strong academic preparation means going beyond minimum requirements for high school graduation.

In order to enter more competitive colleges and access a wider choice of college majors, it is recommended that school guidance counselors, parents and teachers encourage students to pursue a more challenging curriculum such as honors classes, advanced placement classes, and college preparatory classes, as well as dual-enrollment opportunities.

**The Following is Strongly Recommended for all Graduates:**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English</strong></td>
<td>4 years of college preparatory English will provide the skills needed to understand literature, informational text, and write effectively. Courses in writing and speech provide continued rigor and relevancy.</td>
</tr>
<tr>
<td><strong>Mathematics</strong></td>
<td>4 years of mathematics that at a minimum include Algebra I, Geometry, Algebra II and a higher level mathematics gives students the best possible preparation and such students are more successful in college than those taking only three years of mathematics.</td>
</tr>
<tr>
<td><strong>Science</strong></td>
<td>3 years of science that include Biology, Chemistry, and Physics is strongly recommended. An additional rigorous science course is recommended for students wishing to pursue careers in the mathematics or science fields.</td>
</tr>
</tbody>
</table>
| **Social Studies:** | 3 Credits:  
**History, Society and Culture**  
½ credit in Civics; ½ credit in Economics, U.S. History and Geography  
Geography, World History and Geography |
<table>
<thead>
<tr>
<th>World Languages</th>
<th>3-4 years of the same language is recommended. Proficiency in a second language can open many additional career opportunities as well as enable students to communicate on a global level.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Visual, Performing And Applied Arts</td>
<td>One year of an arts class is required. This includes courses in which students study, create or perform art, music, theater or dance. As with world languages, progressing to an advanced level in an arts discipline demonstrates a high level of commitment and follow-through. Students in the arts will develop skills in communication, collaboration and creativity that will serve them in any career choice.</td>
</tr>
</tbody>
</table>
HIGH SCHOOL GRADE-LEVEL COLLEGE/POST-SECONDARY SCHOOL PREPARATION ACTIVITIES

GRADE 9

Throughout the school year:
- Determine a potential career goal
- Continue to review and refine your educational development plan
- Research the education requirements to achieve the goal
- Speak with your counselor about your career and education goals
- Speak with your parents about your career and education goals
- Take the PSAT/NMSQT for practice
- Research two colleges or post-secondary schools that offer a program of study necessary to reach your career goal
- Understand what the program of study will require
- Become aware of the cost of additional schooling and of the available financial aid opportunities
- Interview professionals in your chosen career area to see if it is what you want to do
- Understand what your cumulative grade point average (GPA) is and how it is calculated
- Take challenging classes
- Visit a college campus if possible
- Attend school and local career fairs

GRADE 10:
Throughout the school year:
- Reaffirm or determine your career goal
- Continue to initiate research on the education required to meet that goal
- Speak with your counselor about your goals
- Speak with your parents about your goals
- Re-take the PSAT/NMSQT for practice
- Determine what details are necessary to know and/or complete at school so you can comfortably reach your goals
- Research three colleges or post-secondary schools that offer a program of study necessary to reach your career goal
- Become aware of what you need to do to get into the college/program of your choice, what the deadlines are, how much it costs and how you can get assistance in paying for it
- Interview professionals in your chosen career area
- Take challenging classes
- Get involved in school and community activities
GRADE 11:
Throughout the school year, continue to discuss your career and school goals with your counselor and parents.

In the Fall:
• Take the PSAT/NMSQT for the National Merit Scholarship Program
• If an athlete, check NCAA requirements
• Determine five colleges/post-secondary schools that will meet your academic and personal needs

In the Winter:
• Research admission requirements for the five schools
• Set up a filing system for keeping information organized

In the Spring:
• Take the ACT and/or SAT
• Begin thinking about potential references for admission
• Check class rank/GPA
• Begin researching the financial aid process
• Begin to practice filling out applications
• Begin to write admissions essays and share them with a teacher or counselor for editing recommendations

In the Summer:
• Continue the above
• Begin making college visits
• Organize financial aid information
• Continue interviewing professionals
GRADE 12:
Throughout the school year, continue to discuss and finalize your career and school goals with your counselor and parents.

In the Fall:
- Create a calendar of important deadlines
- Fill out college/post-secondary school applications and essays and submit them (make or keep copies)
- Select references for your applications
- Re-take the ACT/SAT
- Continue getting financial aid information
- Research private scholarships and begin applying

In the Winter:
- Mail any remaining admissions, scholarships or financial aid applications
- Fill out the FAFSA. Submit shortly after January 1.

In the Spring:
- Monitor your mail for acceptance notices
- Monitor your mail beginning in April for financial aid awards
- Study financial aid packages with school acceptances and make a final decision
- Notify the school of your intention to attend by the deadline and submit required deposit
- Ask counselor to send final transcript to school

During the Summer:
- Finalize your course schedule and receive housing and orientation information

GLOSSARY

PSAT/NMSQT Preliminary Scholastic Achievement Test/National Merit Scholarship Qualifying Test

NCAA National Collegiate Athletic Association

ACT American College Test

SAT Scholastic Achievement test

FAFSA Free Application for Federal Student Aid
ACCESS TO ADVANCED COURSEWORK

2014-2015

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Detroit, Michigan 48202
www.detroitk12.org
ACCESS TO ADVANCED COURSEWORK

The Honors and Advanced Placement (AP) Program

All Detroit Public School students are afforded the opportunity to participate in advanced coursework in all academic subject areas. Honors classes and Advanced Placement classes are available in the following subject areas:

- English
- Mathematics
- Science
- Social Studies
- World Language
- Visual, Performing and Applied Arts

Not all Advanced Placement classes are available at all schools. Please contact your school counselor for course availability.

Students enrolled in Advanced Placement classes are expected to take Advanced Placement tests. A passing score may earn college credit or enrollment in higher-level college courses. Students must complete an application process in order to be considered for Honors or AP classes. The criteria for Honors and AP may include:

- Grade Point Average (GPA)
- Standardized test scores
- Completion of prerequisite course work
- Recommendation of teacher
- Permission of parent/guardian

Postsecondary (Dual) Enrollment

The Postsecondary Enrollment Options Act and the Career and Technical Preparation Act encourage and enable qualified students to enroll in courses or programs in certain postsecondary institutions such as state universities, community colleges or non-profit, degree granting colleges or universities located within Michigan. Through this program, students may elect to take college level courses that could satisfy both high school and college credit requirements. Available subject areas and criteria for entrance are determined by participating universities. To qualify for payment of tuition and fees for dual enrollment, all of the following conditions must be met:

- The student must be a junior or senior and must not have completed all graduation requirements
- The student must achieve a qualifying score on the MME, PSAT or ACTPLAN
- The college course cannot be offered by DPS
- The college course must be an academic course
- A minimum of 50% of the college classes must take place during the regular DPS school year calendar
- The student must successfully complete the college class

Contact your school counselor for specific information about Postsecondary dual enrollment.
**Is this for me?**

The Honors Program, the Advanced Placement Program and the Postsecondary Dual Enrollment Program are options designed for students who seek intellectual growth. Reading and homework expectations for these classes are rigorous and extensive.

Students are expected to perform at the college level, particularly in the areas of reading, writing and test-taking. Those who participate in advanced classes will find the experience to be challenging and rewarding. Students are advised to consider what the impact of employment, extracurricular activities, home responsibilities and course load may have on their academic success. Discuss the options with your parents and school counselor.
HIGH SCHOOL COURSE CATALOG & PROGRAM of STUDY

ADDITIONAL EDUCATIONAL SERVICES

2014-2015

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www.detroitk12.org
ADDITIONAL EDUCATIONAL SERVICES

English/Language Learners

Multilingual and Multicultural program services are offered to students who are identified as being limited English proficient. These services establish an instructional sequence that enables English Language Learners to attain proficiency in English and to achieve the same challenging academic standards required of all students in the District.

For additional information on the program for English Language Learners, please see your school counselor and refer to the inside back cover of this catalog.

Students with Special Needs

Special education and related services are available to all students identified with disabilities in the least restrictive environment. To the maximum extent appropriate, students with disabilities are included with students in general education classes.

Special education services are provided to eligible students with disabilities. These services are designed to:

- Address the unique needs of the student that are a result of the disability
- Ensure a student’s access to the general curriculum so that he or she can meet the educational standards of the District that apply to all students
- Prepare students for life, work, higher education and citizenship

The Individual Education Plan (IEP) determines graduation requirements for special needs students. Students and parent/guardians are encouraged to contact the school guidance counselor to review these requirements and to plan coursework for each school year.

For additional information about Special Education Services, please see your school counselor and refer to the inside back cover of this catalog.
An Introduction to Career Pathways in Education

The greatest gifts that we can give to our children are the ability to dream and the support they need to follow an educational path that allows them to lead a successful career in the global marketplace of the 21st century. Detroit Public Schools has the responsibility to provide services that meet both the academic and non-academic needs of students and their families. This Course Catalog and Program of Study represent a school to career emphasis that allows our students to focus their career aspirations along six distinct pathways. It will help our children meet the high standards and rigorous curriculum of the District as we prepare our students for higher education, work, citizenship and life.

Career Pathways group various occupations that share common skills and interests. They allow teachers and student to integrate academic subjects and technical education, enabling students to make informed career decisions. The Pathways in Education process ensures that students have the opportunity to systematically achieve academic and technical competency as they develop their individual plans regarding academic choices and a focus toward lifelong learning. The six career pathways for Michigan are: 

Arts and Communications; Business, Management, Marketing and Technology; Engineering, Manufacturing and Industrial Technology; Health Sciences; Human Services; and Natural Resources and Agriscience.

As you go through the following pages you will see how each of the pathways is defined. You will see the educational path that can be followed in high school to prepare for an exciting career. The Detroit Public Schools’ high standards and graduation requirements provide all students with the necessary core courses to be prepared to enter college. The elective courses students select at each grade will allow them to focus on the career path they wish to follow and take electives that are of interest to them at the same time.

Within each Career Pathway there are opportunities for Certificate Programs. These pathway programs provide students with the opportunity to specialize in a particular career focus within the pathway. They require students to take the same core courses, have the same graduation requirements, and be prepared to enter college if they choose as any other student. The only difference is that the students have chosen to follow a more defined career focus in their educational development plan. Career Pathway students may enter the workforce immediately after graduation from high school. Students should not that career opportunities and earning potential increase dramatically with higher education.

The school to career focus of the course catalog will support the educational development plan process our students initiate prior to entering 9th grade. Our students will have a greater understanding of who they are, have a potential career path that is grounded in their personal skills and interests, and put together an educational plan in high school that will help them achieve their career dreams and goals.

For additional information on Career Pathway Programs, please contact your school counselor and refer to the inside back cover of this catalog.
Arts and Communication Career Pathway

The Arts and Communication Pathway offers educational and training opportunities within the world of the arts: vocal and instrumental music; visual and media arts; theater and film; journalism and literature; mass media; TV/radio and broadcasting; advertising, public relations, graphic design, printing/publishing, telecommunications and technical writing. It includes many careers in a variety of work settings such as corporations, theaters, radio or television stations, advertising or architecture firms, art studios, museums and scenic design shops. Workers in this group create, act, direct, write and produce visual or auditory materials for entertainment, business or educational purposes. People in this career path perform on stage or work behind it for a production, show, company training class or corporate event. They also may create original works of art or restore or edit them to further the artists’ expression or interpretation of ideas.

Education and training for careers in the arts and communications career pathway can be obtained in high school for some entry level jobs and technical colleges, two-year community colleges, four year colleges and career/technical school or institutes for higher level occupations.

Many careers in the arts and communication pathway require employees to:

- Be creative thinkers and have creative talent and natural ability in the areas of visual and performing arts
- Work accurately with detailed information through a variety of media
- Be able to visually express ideas and feelings in creative and innovative ways
- Work successfully with their hands
- Work creatively with large groups of people
- Have strong verbal and written communication skills

If this sounds like you, then Arts and Communication Pathway may be the educational path you wish to follow in high school to lead to a challenging and rewarding career.

The following is a list of career opportunities by educational level. By reviewing this list of basic occupations, you will be able to see which educational level you will need to work toward to have a successful career in the arts and communication field. This will help you as you meet with your counselor and talk with your family to work on your education development plan.
<table>
<thead>
<tr>
<th><strong>High School Graduate</strong></th>
<th><strong>Technical Training or 2 yr College</strong></th>
<th><strong>4 Year College and Beyond</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Building tradesperson</td>
<td>Actor</td>
<td>Advertising executive</td>
</tr>
<tr>
<td>Cabinet maker</td>
<td>Book cover designer</td>
<td>Animator</td>
</tr>
<tr>
<td>Ceramic molder</td>
<td>Computer assisted drafter</td>
<td>Architect</td>
</tr>
<tr>
<td>Disc jockey</td>
<td>Construction machinist</td>
<td>Art/technology teacher</td>
</tr>
<tr>
<td>Furniture manufacturer</td>
<td>Copywriter</td>
<td>Artist</td>
</tr>
<tr>
<td>Furniture refinisher</td>
<td>Dancer</td>
<td>Automotive designer</td>
</tr>
<tr>
<td>Kiln operator</td>
<td>Darkroom technician</td>
<td>Columnist</td>
</tr>
<tr>
<td>Layout artist</td>
<td>Desktop publisher</td>
<td>Construction manager</td>
</tr>
<tr>
<td>Merchandise display person</td>
<td>Illustrator</td>
<td>Corporate trainer</td>
</tr>
<tr>
<td>Photographer assistant</td>
<td>Journalist</td>
<td>Engineer</td>
</tr>
<tr>
<td>Theater set crew</td>
<td>Layout/paste-up artist</td>
<td>Film maker</td>
</tr>
<tr>
<td>Visual artist</td>
<td>Library assistant/technician</td>
<td>Foreign language interpreter</td>
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<tr>
<td>Welding artist</td>
<td>Mechanical drafter</td>
<td>Graphic artist</td>
</tr>
<tr>
<td>Wood pattern and model maker</td>
<td>Multimedia specialist</td>
<td>Graphics designer</td>
</tr>
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<td></td>
<td>Museum technician</td>
<td>Industrial designer</td>
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<tr>
<td></td>
<td>Packaging designer</td>
<td>Magazine editor</td>
</tr>
<tr>
<td></td>
<td>Photographer</td>
<td>Museum curator</td>
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<tr>
<td></td>
<td>Precision woodworker</td>
<td>Musician</td>
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<td></td>
<td>Printer</td>
<td>Print maker</td>
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<tr>
<td></td>
<td>Recording studio assistant</td>
<td>Producer</td>
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<tr>
<td></td>
<td>Screen/television scriptwriter</td>
<td>Public relations writer</td>
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<tr>
<td></td>
<td>Silk screen artist</td>
<td>Radio/television producer</td>
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<tr>
<td></td>
<td>Sound engineer</td>
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</tr>
<tr>
<td></td>
<td>Stage manager</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Technical illustrator/industrial designer</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Technical writer</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tool designer</td>
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</tbody>
</table>
Arts and Communications Career Pathway Requirements

To graduate, students must complete credits specified by the Detroit Public Schools. Please refer to the page in this catalog that defines graduation requirements. If the arts and communications career you are planning to enter requires a college degree, refer to the page in this catalog that describes how to prepare for college. You should also access data bases recommended by your counselor to obtain college and career information.

The sequence of courses listed below is the recommended sequence. Note that course electives listed in the “Course Information and Descriptions” section of this catalog may not be available in all schools. Individual school or student schedules may not allow for the sequence to be followed exactly as printed.

Following the recommended arts and communications career pathway requirements does not guarantee acceptance into an institution of higher learning or employment. Students still must reach the standards required for entrance to higher education or employment. Students should meet regularly with school counselors and teachers to monitor academic progress to ensure entrance requirements for college, trade schools or employment are being met.

**Grade 9**

**Core Courses**

- Freshman Seminar and English, Language Arts 9
- Algebra I 1 credit each
- Algebra Lab (Elective) 1 credit
- Biology 1 credit
- US History and Geography 1 credit

**REQUIRED Academic Electives for Graduation**

- Language other than English 2 credits
- Visual, Performing or Applied Arts 1 credit
- Out-of-Class Learning (200 hrs) 1 credit

**Grade 10**

**Core Courses**

- English, Language Arts 10 1 credit
- Geometry 1 credit
- Civics and Economics .5 credit each
- Physics or Chemistry 1 credit
REQUIRED Academic Electives for Graduation
Language other than English 2 credits
Visual, Performing or Applied Arts 1 credit
Out-of-Class Learning (200 hrs) 1 credit

Suggested Electives
Arts and communications elective courses as offered by each school site.

Grade 11
Core Courses
English, Language Arts 11 1 credit
Algebra II 1 credit
World History and Geography 1 credit

REQUIRED Academic Electives for Graduation
Science elective 1 credit
Language other than English 2 credits
Visual, Performing or Visual Arts 1 credit
Physical Education & Health 1 credit
Out-of-Class Learning (200 hrs) 1 credit

Suggested Electives
Arts and communications elective courses as offered by each school site.

Grade 12
Core Courses
English, Language Arts 12 1 credit
Mathematics elective 1 credit
Advanced social studies recommended 1 credit
Advanced science recommended 1 credit

REQUIRED Academic Electives for Graduation
Science 1 credit
Mathematics elective (as listed above in core) 1 credit
Language other than English 2 credits
Visual, Performing or Applied Arts 1 credit
Physical Education & Health 1 credit
Out-of-Class Learning (200 hrs) 1 credit

Suggested Electives
Arts and communications elective courses as offered by each school site.
Arts and Communications Career Pathway Certificate Programs

Detroit Public Schools offer Career Pathway certificate programs at various high schools throughout the District. Certificate programs provide high school students with the opportunity to specialize in a particular career focus within a career pathway. Upon successful completion of all graduation requirements and specialized courses within the career focus, graduates will receive, in addition to their Diploma, either an industry-based certificate or certificate of completion for the specialized career area.

Students enrolled in career pathway certificate programs are required to complete the same core courses and graduation requirements as other students. The sequence of courses for specialized certificate programs may be slightly different from those listed in the career pathway section of the catalog. Please see the school counselor for more detailed information on any of the specialized career pathway certificate programs.

Students who successfully complete the Graphics Communication and Multimedia Design Program are eligible for National Career Readiness Certification.
Business, Management, Marketing and Technology Career Pathway

The Business, Management, Marketing and Technology Pathway offers educational and training opportunities within the high-skilled world of business, management and administration, technology and marketing, finance, accounting and data processing and analysis. Learners need a strong background in mathematics, science, and technical skills. Workers in this pathway use mathematics and analytical skills to design financial systems and interpret information; and communication skills to lead, supervise and work with others within local, national and global markets. Some careers in this pathway set policies and priorities as well as participate in marketing development activities. Education and training for careers in this pathway can be obtained in high school for some entry level jobs and technical colleges, two-year community colleges, four-year colleges and career and technical schools/institutes for higher level jobs.

Many careers in the business, management, marketing and technology pathway require employees to:

- Organize and lead people
- Plan activities and converse with people effectively
- Work with numbers or ideas and see the ideas through to completion
- Have day to day contact with the public
- Use logical thinking to perform a variety of tasks
- Make decisions based on sound judgment and corporate policy
- Follow instructions without close supervision
- Be able to sell ideas to an audience
- Work with data to support ideas
- Change work activities frequently
- Oversee projects from beginning to completion

If this sounds like you, then Business, Management, Marketing and Technology may be the educational pathway you wish to follow in high school to lead to a challenging and rewarding career.

The following is a list of career opportunities by educational level. By reviewing this list of basic occupations, you will be able to see which educational level you will need to work toward to have a successful career in the business, management, marketing and technology fields. This will help you as you meet with your counselor and talk to your family to work on your education development plan.
<table>
<thead>
<tr>
<th>High School Graduate:</th>
<th>Technical Training or 2-year College</th>
<th>4-Year College and Beyond</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting clerk</td>
<td>Administrative Assistant</td>
<td>Accountant/CPA</td>
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<td>Auctioneer</td>
<td>Auditing clerk</td>
<td>Advertising manager</td>
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<td>Bank teller</td>
<td>Bookkeeper</td>
<td>Air traffic controller</td>
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<td>Bill collector</td>
<td>Building manager</td>
<td>Attorney</td>
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<td>Billing clerk</td>
<td>Chef/caterer</td>
<td>Auditor</td>
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<td>Cashier</td>
<td>Claims adjuster</td>
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<td>Courier</td>
<td>Computer networker</td>
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<td>Cost estimator</td>
<td>Business teacher</td>
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<td>Dispatcher</td>
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<td>Buyer</td>
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<td>Fast food worker</td>
<td>Food service manager</td>
<td>City manager</td>
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<td>File clerk</td>
<td>Insurance agent</td>
<td>Computer systems analyst</td>
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<td>Food service staff</td>
<td>Loan officer</td>
<td>Consultant</td>
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<td>General office clerk</td>
<td>Medical records specialist</td>
<td>Education administrator</td>
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<td>Hotel clerk</td>
<td>Medical secretary</td>
<td>Estate planner</td>
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<td>Postal worker</td>
<td>Paralegal</td>
<td>Financial analyst</td>
</tr>
<tr>
<td>Receptionist</td>
<td>Postmaster</td>
<td>Financial planner</td>
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<tr>
<td>Retail clerk</td>
<td>Real estate appraiser</td>
<td>Hospital administrator</td>
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<td>Shipping/receiving clerk</td>
<td>Retail manager</td>
<td>Labor relations director</td>
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<td>Telemarketer</td>
<td>Realtor</td>
<td>Marketing director</td>
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<td>Telephone operator</td>
<td>Travel agent</td>
<td>Marketing research analyst</td>
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<td>Travel guide</td>
<td>Underwriter</td>
<td>Personnel director</td>
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<tr>
<td>Travel reservation clerk</td>
<td>Wholesale supervisor</td>
<td>Public health director</td>
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<tr>
<td>Warehouse/distribution clerk</td>
<td></td>
<td>Recreations project director</td>
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<tr>
<td>Word processor</td>
<td></td>
<td>Stockbroker</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Urban planner</td>
</tr>
</tbody>
</table>
Business, Management, Marketing and Technology Career Pathway Requirements

To graduate, students must complete credits specified by the Detroit Public Schools. Please refer to the page in this catalog that defines graduation requirements. If the business management, marketing and technology career you are planning to enter requires a college degree, refer to the page in this catalog that describes how to prepare for college. You should also access data bases recommended by your counselor to obtain college and career information.

The sequence of courses listed below is the recommended sequence. Note that course electives listed in the “Course Information and Descriptions” section of this catalog may not be available in all schools. Individual school or student schedules may not allow for the sequence to be followed exactly as printed.

Following the recommended business, management, marketing and technology pathway requirements does not guarantee acceptance into an institution of higher learning or employment. Students still must reach the standards required for entrance to higher education or employment. Students should meet regularly with school counselors and teachers to monitor academic progress to ensure requirements for college, trade schools or employment are being met.

Grade 9
Core Courses
Freshman Seminar and
English, Language Arts 9 1 credit each
Algebra I 1 credit
Algebra Lab (Elective) 1 credit
Biology 1 credit
US History and Geography 1 credit

REQUIRED Academic Electives for Graduation
Language other than English 2 credits
Visual, Performing or Applied Arts 1 credit
Out-of-Class Learning (200 hrs) 1 credit

Grade 10
Core Courses
English, Language Arts 10 1 credit
Geometry 1 credit
Civics and Economics .5 credit each
Physics or Chemistry 1 credit

REQUIRED Academic Electives for Graduation
Language other than English 2 credits
Visual, Performing and Applied Arts 1 credit
**Suggested Electives**
Business, management, marketing and technology elective courses as offered by each school site.

**Grade 11**
**Core Courses**
- English, Language Arts 11 1 credit
- Algebra II 1 credit
- World History and Geography 1 credit

**REQUIRED Academic Electives for Graduation**
- Science elective 1 credit
- Language other than English 2 credits
- Visual, Performing and Applied Arts 1 credit
- Physical Education & Health 1 credit
- Out-of-Class Learning (200 hrs) 1 credit

**Suggested Electives**
Business, management, marketing and technology elective courses as offered by each school site.

**Grade 12**
**Core Courses**
- English, Language Arts 12 1 credit
- Mathematics elective requirement 1 credit
- Advanced social studies recommended 1 credit
- Advanced science recommended 1 credit

**REQUIRED Academic Electives for Graduation**
- Science elective 1 credit
- Mathematics elective (as listed above) 1 credit
- Language other than English 2 credits
- Visual, Performing and Applied Arts 1 credit
- Physical Education & Health 1 credit

**Suggested Electives**
Business, management, marketing and technology elective courses as offered by each school site.
**Business, Management, Marketing and Technology Career Pathway Certificate Programs**

Detroit Public Schools offer Career Pathway certificate programs at various high schools throughout the District. Certificate programs provide high school students with the opportunity to specialize in a particular career focus within a career pathway. Upon successful completion of all graduation requirements and specialized courses within the career focus, graduates will receive, in addition to their Diploma, either an industry-based certificate or certificate of completion for the specialized career area.

Students enrolled in career pathway certificate programs are required to complete the same core courses and graduation requirements as other students. The sequence of courses for specialized certificate programs may be slightly different from those listed in the career pathway section of the catalog. Please see the school counselor for more detailed information on any of the specialized career pathway certificate programs.

Students who successfully complete the Personal & Culinary Services Program are eligible to receive the ServeSafe Certification.

Students who successfully complete the Electronic Networking Systems Program are eligible for the CISCO Certified Network Associate (CCNA) Certificate or depending on their program emphasis, the Electronics System Associate Certificate.
Engineering, Manufacturing and Industrial Technology Career Pathway

The Engineering, Manufacturing and Industrial Technology Pathway offers educational and training opportunities related to technologies necessary to design, develop, install and maintain physical systems for transportation and construction and manufacturing areas. Careers include those in engineering and related technologies; mechanics and repair; transportation; manufacturing technology; and precision production and construction. Workers within this pathway area design new or improve existing products or systems; create new models of automobiles and other forms of transportation; build and repair computers; write software programs; precision weld; construct buildings, homes and transit systems; use computers to simulate and test how a machine, structure or system operates and conforms to design standards; and create solutions to functional, structural, mechanical or technological problems. Education and training for careers in the engineering, manufacturing and industrial technology pathway can be obtained in high school for some entry level jobs and technical colleges, two-year community colleges, four-year colleges, and career technical schools/institutes for higher level jobs.

Many occupations in the engineering, manufacturing and industrial technology pathway require employees to:

- Be mechanically inclined and practical
- Have strong mathematics and physical science backgrounds
- Have good problem-solving skills and be a logical thinker
- Have good oral and written communication skills
- Have skill in reading diagrams, blueprints and in drawing building structures
- Be able to dissect smaller pieces from the big picture
- Work with critical details

If this sounds like you, then the engineering, manufacturing and industrial technology may be the educational path you wish to follow in high school to lead to a challenging and rewarding career.

The following is a listing of career opportunities by educational level. By reviewing this list of basic occupations, you will be able to see which educational level you will need to work toward to have a successful career in the engineering, manufacturing and industrial technology pathway. This will help you as you meet with your counselor and family to work on your education development plan.
**High School Graduate**
Assistant drafter
Automotive mechanic/technician
Carpenter
Concrete mason
Construction worker
Crane operator
Die designer apprentice
Electrician apprentice
Glazier
Ironworker
Lather
Machinist
Precision welder
Roofer
Tool and die maker
Truck driver

**Technical Training or 2-Year College**
Airplane mechanic
Calibration and instrumentation technician
Electronic equipment repairer
Electronics engineering technician
Fire-protection engineering technician
Heating, air conditioning, and refrigeration technician
Hydraulic repairer
Laser technician
Millwright
Research electrician
Small engine mechanic
Surveyor
Technical illustrator
Tool programmer

**4-Year College and Beyond**
Aerospace engineer
Airport engineer
Architect
Chemical engineer
Civil engineer
Computer programmer/software developer
Construction site supervisor
Electrical engineer
Energy systems designer
Industrial engineer
Mapping scientist
Mechanical engineer
Metallurgist
Nuclear engineer
Petroleum engineer
Photogrammetric engineer
Quality control manager
Stress analyst
Structural engineer
Surveyor supervisor
Systems analyst
Systems engineer
Welding engineer
Engineering, Manufacturing and Industrial Technology Career Pathway

To graduate, students must complete credits specified by the Detroit Public Schools. Please refer to the page in this catalog that defines graduation requirements. If the engineering, manufacturing and industrial technology career you are planning to enter requires a college degree, refer to the page in this catalog that describes how to prepare for college. You should also access data bases recommended by your counselor to obtain college and career information.

The sequence of courses listed below is the recommended sequence. Note that course electives listed in the “Course Information and Descriptions” section of this catalog may not be available in all schools. Individual school or student schedules may not allow for the sequence to be followed exactly as printed.

Following the recommended engineering, manufacturing and industrial technology pathway requirements does not guarantee acceptance into an institution of higher learning or employment. Students still must reach standards required for entrance to higher education or employment. Students should meet regularly with school counselors and teachers to monitor academic progress to ensure requirements for college, trade schools or employment are being met.

**Grade 9**
**Core Courses**
Freshman Seminar and English, Language Arts 9 1 credit each
Algebra 1 1 credit
Algebra Lab 1 credit
Biology 1 credit
US History and Geography 1 credit

**REQUIRED Academic Electives for Graduation**
Language other than English 2 credits
Visual, Performing and Applied Arts 1 credit
Out-of-Class Learning (200 hrs) 1 credit

**Grade 10**
**Core Courses**
English, Language Arts 10 1 credit
Geometry 1 credit
Civics and Economics .5 credit each
Physics or Chemistry 1 credit

**Required Academic Electives for Graduation**
Language other than English 2 credits
Visual, Performing and Applied Arts 1 credit
Suggested Electives
Engineering, manufacturing and industrial technology elective courses as offered by each school site.

Grade 11
Core Courses
- English, Language Arts 11: 1 credit
- Algebra II: 1 credit
- World History and Geography: 1 credit

REQUIRED Electives for Graduation
- Science elective requirement: 1 credit
- Language other than English: 2 credits
- Visual, Performing and Applied Arts: 1 credit
- Physical Education & Health: 1 credit
- Out-of-class Learning (200 hrs): 1 credit

Suggested Electives
Engineering, manufacturing and industrial technology elective courses as offered by each school site.

Grade 12
Core Courses
- English, Language Arts 12: 1 credit
- Mathematics elective requirement: 1 credit
- Advanced social studies recommended: 1 credit
- Advanced science recommended: 1 credit

REQUIRED Academic Electives for Graduation
- Science elective: 1 credit
- Mathematics elective (as listed above): 1 credit
- Language other than English: 2 credits
- Visual, Performing and Applied Arts: 1 credit
- Physical Education & Health: 1 credit

Suggested Electives
Engineering, manufacturing and industrial technology electives as offered by each school site.
Engineering, Manufacturing and Industrial Technology Career Pathway Certificate Programs

Detroit Public Schools offer career Pathway Certificate programs at various high schools throughout the District. Certificate programs provide high school students with the opportunity to specialize in a particular career focus within a career pathway. Upon successful completion of all graduation requirements and specialized courses within the career focus, graduates will receive, in addition to their Diploma, either an industry-based certificate or certificate of completion for the specialized career area.

Students enrolled in career pathway certificate programs are required to complete the same courses and graduation requirements as other students. The sequence of courses for specialized certificate programs may be slightly different from those listed in the career pathway section of the catalog. Please see the school counselor for more detailed information on any of the specialized career pathway certificate programs.

Students who successfully complete the Computer Aided Drafting (CAD) Program are eligible to receive the AutoDesk Certified Associate/User Certificate.

Students who successfully complete the Welding & Cutting Program are eligible for the Certified Welder/AWS Certificate which includes various structural welding certifications depending on their program emphasis.

Students who successfully complete the Automotive Services Technician Program are eligible to test for national and state certifications in Brakes; Steering and Suspension; Engine Repair; Engine Performance and Electrical/Electronic Systems.

Students who successfully complete the Geographic Information Systems (GIS) technology Program are eligible for the GIS Technician (Entry Level) Certificate.

Students who successfully complete the Flight Training Program are eligible for the Solo Flight Certificate.

Students those who successfully complete the Powerplant and Airframe Program may receive the A & P License.
Health Sciences Career Pathway

The Health Sciences Career Pathway offers educational and training opportunities related to the promotion of health and treatment of disease. These include research, prevention, treatment and related health technologies. It includes many careers in a variety of work settings including hospitals, private physician’s offices, outpatient facilities, gyms/health clubs, sports facilities, and patient homes. Careers in this pathway include those working in medicine, dentistry, nursing, therapy and rehabilitation, nutrition, fitness and hygiene, and veterinary medicine. Employees in this career pathway may perform or assist with surgery, take and/or read X-rays, help rehabilitate patients, counsel people with physical or mental illness, conduct nutrition and weight loss assessments, assist the elderly, respond to emergencies, treat victims and work with animals in a veterinary clinic or other animal welfare facility. Education and training for careers in the health sciences can be obtained in high school for some entry-level jobs, two-year colleges, four-year colleges, and career and technical institutes for higher level jobs.

Many occupations in the health sciences pathway require employees to:

- Respond quickly and clearly in emergencies
- Perform multiple tasks at one time
- Have stamina to work long hours
- Work well with others and work in close proximity to people
- Have strong memorization and problem-solving skills
- Have a strong mathematics and science background
- Have compassion for and empathy with patients and people in distress

If this sounds like you, then the Health Sciences may be the educational path you wish to follow in high school to lead to a challenging and rewarding career.

The following is a listing of career opportunities by educational level. By reviewing this list of basic occupations, you will be able to see which educational level you will need to work toward having a successful career in the health sciences pathway. This will help you as you meet with your counselor and family to work on your education development plan.
High School Graduate
Clinical assistant
Dispensing optician
Home-health aide
Practical nursing
Orderly

Technical Training or 2-Year College
Applied child development
Clinical laboratory technician
Dental hygienist
Echocardiographer
Emergency medical technician
Health information technician
Nuclear medicine technologist
Paramedic
Phlebotomist
Radiologic technologist
Stress test technician
Surgical technologist
Veterinary assistant

4-Year College and Beyond
Anesthesiologist
Chiropractor
Dentist
Dermatologist
Dietician
Epidemiologist
Geriatrician
Health education teacher
Immunologist
Internist
Medical/Clinical laboratory technician
Medical researcher
Nurse-midwife
Nutritionist
Occupational therapist
Optometrist
Pathologist
Pediatrician
Pharmacist
Pharmacologist
Physical education teacher
Psychiatrist
Recreation therapist
Registered nurse
Social worker
Sports sciences
Surgeon
Veterinarian
Health Sciences Career Pathway Requirements

To graduate, students must complete credits specified by the Detroit Public Schools. Please refer to the page in this catalog that defines graduation requirements. If the health sciences career pathway you are planning to enter requires a college degree, refer to the page in this catalog that describes how to prepare for college. You should also access data bases recommended by your counselor to obtain college and career information.

The sequence of courses listed below is the recommended sequence. Note that course electives listed in the “Course Information and Descriptions” section of this catalog may not be available in all schools. Individual school or student schedules may not allow for the sequence to be followed exactly as printed.

Following the recommended health sciences pathway requirements does not guarantee acceptance into an institution of higher learning or employment. Students still must reach the standards required for entrance to higher education or employment. Students should meet regularly with school counselors and teachers to monitor academic progress and ensure entrance requirements for college, trade schools or employment are being met.

**Grade 9**

**Core Courses**
Freshman Seminar and
English, Language Arts 9 1 credit each
Algebra I 1 credit
Algebra Lab 1 credit
Biology 1 credit
US History and Geography 1 credit

**REQUIRED Academic Electives for Graduation**
Language other than English 2 credits
Visual, Performing and Applied Arts 1 credit
Out-of-Class Learning (200 hrs) 1 credit

**Grade 10**

**Core Courses**
English, Language Arts 10 1 credit
Geometry 1 credit
Civics and Economics .5 credit each
Physics or Chemistry 1 credit

**REQUIRED Academic Electives for Graduation**
Language other than English 2 credits
Visual, Performing and Applied Arts 1 credit
Out-of-Class Learning (200 hrs) 1 credit
Suggested Electives
Health sciences elective courses as offered by each school site.

Grade 11
Core Courses
English, Language Arts 11 1 credit
Algebra II 1 credit
World History and Geography 1 credit

REQUIRED Academic Electives for Graduation
Science Elective 1 credit
Language other than English 2 credits
Visual, Performing and Applied Arts 1 credit
Physical Education & Health 1 credit
Out-of-Class Learning (200 hrs) 1 credit

Suggested Electives
Health sciences elective courses as offered by each school site.

Grade 12
Core Courses
English, Language Arts 12 1 credit
Mathematics Elective 1 credit
Advanced social studies recommended 1 credit
Advanced science recommended 1 credit

REQUIRED Academic Electives for Graduation
Science 1 credit
Mathematics elective (as required above) 1 credit
Language other than English 2 credits
Visual, Performing and Applied Arts 1 credit
Physical Education & Health 1 credit
Out-of-Class learning (200 hrs) 1 credit

Suggested Electives
Health sciences elective courses as offered by each school site
Health Sciences Career Pathway Certificate Programs

Detroit Public Schools offer Career Pathway certificate programs at various high schools throughout the District. Certificate programs provide high school students with the opportunity to specialize in a particular career focus within a career pathway. Upon successful completion of all graduation requirements and specialized courses within the career focus, graduates will receive, in addition to their Diploma, either an industry-based certificate or completion certificate for the specialized career area.

Students enrolled in career pathway certificate programs are required to complete the same core courses and graduation requirements as other students. The sequence of courses for specialized certificate programs may be slightly different from those listed in the career pathway section of this catalog. Please see the school counselor for more detailed information on any of the specialized career pathway certificate programs.

Students who successfully complete the Therapeutic Services/Allied Health Program are eligible to receive the State of Michigan’s Certified Nursing Assisting (CAN) Certificate; the National Healthcare Foundations Certificate; CPR and First Aid Certificates or the National Career Readiness Certificate.
Human Services Career Pathway

The Human Services Career Pathway offers educational and training opportunities for careers related to economic, political, and social systems. These include education, government, leisure and recreation, military, religion, child care, social services and personal services. Careers in this area include jobs in law and legal services, community support areas such as fire and city services, education and personal services such as cosmetology and home health aide. Workers in this group may teach children, teens or adults; work with expectant mothers or people receiving federal assistance; represent clients in a court of law; work in the government system as a public official; take care of ill people in their homes and provide personal services such as child care, food service, recreation and counseling. Education and training for careers in the human services career pathway can be obtained in high school for some entry level jobs, and technical colleges, two-year colleges, four-year colleges and career technical schools and institutes for higher level jobs.

Many careers in human services require employees to:

- Work with people to solve problems
- Work accurately with detailed information
- Work independently
- Be compassionate, understanding, friendly and cooperative
- Have knowledge of psychology
- Have good communication skills with basic knowledge of mathematics and biology
- Know how government, social and legal systems work
- Have good coping skills and use of good judgment

If this sounds like you, the Human Services Pathway may be the educational path you wish to follow in high school to lead to a challenging and rewarding career.

The following is a list of career opportunities by educational level. By reviewing this list of basic occupations, you will be able to see which educational level you will need to work toward a successful career in the human services field. This will help you as you meet with your counselor and talk with your family to work on your education development plan.
<table>
<thead>
<tr>
<th><strong>High School Graduate</strong></th>
<th><strong>Technical Training or 2-Year College</strong></th>
<th><strong>4-Year College and Beyond</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Bus driver</td>
<td>Barber</td>
<td>Athletic coach/trainer</td>
</tr>
<tr>
<td>Custodian</td>
<td>Correction officer</td>
<td>Audiologist</td>
</tr>
<tr>
<td>Educational support personnel</td>
<td>Cosmetologist</td>
<td>Child psychologist</td>
</tr>
<tr>
<td>Exercise instructor</td>
<td>Daycare operator</td>
<td>Corporate trainer</td>
</tr>
<tr>
<td>Fire inspector</td>
<td>Dental assistant</td>
<td>Counselor</td>
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<tr>
<td>Home health aide</td>
<td>Exercise trainer</td>
<td>Economist</td>
</tr>
<tr>
<td>Law enforcement</td>
<td>Firefighter</td>
<td>Entertainment and sports promotion</td>
</tr>
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<td>Local corrections</td>
<td>Flight attendant</td>
<td>Entrepreneurship</td>
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<td>Pet controller</td>
<td>Funeral director</td>
<td>FBI agent</td>
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<tr>
<td>Security guard</td>
<td>Intake counselor</td>
<td>Government official</td>
</tr>
<tr>
<td>Teacher aide</td>
<td>Manicurist/nail technician</td>
<td>Judge</td>
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<tr>
<td>Waiter/waitress</td>
<td>Paralegal assistant</td>
<td>Lawyer</td>
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<td>Waste management</td>
<td>Paralegal</td>
<td>Librarian</td>
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<tr>
<td>Technician</td>
<td>Parent/student advocate</td>
<td>Lobbyist</td>
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<td>Personal physical trainer</td>
<td>Parole officer</td>
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<td>Police officer</td>
<td>Psychologist</td>
</tr>
<tr>
<td></td>
<td>Private investigator</td>
<td>School administrator</td>
</tr>
<tr>
<td></td>
<td>Preschool/nursery school teacher</td>
<td>School psychologist</td>
</tr>
<tr>
<td></td>
<td>Probation officer</td>
<td>Social worker</td>
</tr>
<tr>
<td></td>
<td>Recreation worker</td>
<td>Teacher</td>
</tr>
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<td></td>
<td>Youth director</td>
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</table>
Human Services Career Pathway Requirements

To graduate, students must complete credits specified by the Detroit Public Schools. Please refer to the page in this catalog that defines graduation requirements. If the human services career you are planning to enter requires a college degree, refer to the page in this catalog that describes how to prepare for college. You should also access data bases recommended by your counselor to obtain college and career information.

The sequence of courses listed below is a recommended sequence. Note that course electives listed in the “Course Information Descriptions” section of this catalog may not be available in all schools. Individual school or student schedules may not allow for the sequence to be followed exactly as printed.

Following the recommended human services pathway requirements does not guarantee acceptance into an institution of higher learning or employment. Students still must reach the standards required for entrance to higher education or employment. Students should meet regularly with school counselors and teachers to monitor academic progress to ensure requirements for college, trade schools or employment are being met.

Grade 9  
Core Courses  
Freshman Seminar and English,  
Language Arts 9 1 credit each  
Algebra I 1 credit  
Algebra Lab 1 credit  
Biology 1 credit  
US History and Geography 1 credit  

REQUIRED Academic Electives for Graduation  
Language other than English 2 credits  
Visual, Performing or Applied Arts 1 credit  
Out-of-Class Learning (200 hrs) 1 credit  

Grade 10  
Core Courses  
English, Language Arts 10 1 credit  
Geometry 1 credit  
Civics and Economics .5 credits each  
Physics or Chemistry 1 credit  

REQUIRED Academic Electives for Graduation  
Language other than English 2 credits  
Visual, Performing and Applied Arts 1 credit
Suggested Electives
Human services elective courses as offered by each school site

Grade 11
Core Courses
English, Language Arts 11 1 credit
Algebra II 1 credit
World History and Geography 1 credit

REQUIRED Academic Electives for Graduation
Science Elective 1 credit
Language other than English 2 credits
Visual, Performing and Applied Arts 1 credit
Physical Education & Health 1 credit
Out-of-Class Learning (200 hrs) 1 credit

Suggested Electives
Human services elective courses as offered by each school site.

Grade 12
Core Courses
English, Language Arts 12 1 credit
Mathematics elective **requirement** 1 credit
Advanced social studies recommended 1 credit
Advanced science recommended 1 credit

REQUIRED Academic Electives for Graduation
Science elective 1 credit
Mathematics elective (as listed above) 1 credit
Language other than English 2 credits
Visual, Performing and Applied Arts 1 credit
Physical Education & Health 1 credit

Suggested Electives
Human services elective courses as offered by each school site
Human Services Career Pathway Certificate Programs

Detroit Public Schools offer Career Pathway certificate programs at various high schools throughout the District. Certificate programs provide high school students with the opportunity to specialize in a particular career focus within a career pathway. Upon successful completion of all graduation requirements and specialized courses within a career focus, graduates will receive, in addition to their Diploma, either an industry-based certificate or certificate of completion for the specialized career area.

Students enrolled in career pathway certificate programs are required to complete the same courses and graduation requirements as other students. The sequence of courses for specialized certificate programs may be slightly different from those listed in the career pathway section of the catalog. Please see the school counselor for more detailed information on any of the specialized career pathway certificate programs.

Students who successfully complete the Cosmetology Program are eligible for the Michigan State Board of Cosmetology License and National Career Readiness Certification.
Natural Resources and Agriscience Career Pathway

The Natural Resources and Agriscience Career Pathway offers educational and training opportunities related to agriculture, the environment, and natural resources as well as service, research education and production. Careers include those in agriculture, earth sciences, environmental science, fisheries, forestry, lawn care, plant care, floral work, horticulture, and wildlife management. Workers within this pathway area manage, develop, protect and improve natural habitats, improve strategies for raising crops or animals, identify and analyze sources of pollution, study tornadoes, volcanoes and other natural phenomena, and design environmentally friendly living space for humans and wildlife. Education and training for careers in the natural resources and agriscience pathway can be obtained in high school for some entry level jobs and technical colleges, two-year colleges, four-year colleges and technical schools/institutes for higher level jobs.

Many occupations in the natural resources and agriscience career pathway require employees to:

- Have a knowledge and understanding of how nature and different environments work
- Have a strong interest in nature and environmental preservation
- Have a solid background in mathematics
- Have strong skills in the natural sciences
- Have good communication and technical skills
- Creatively solve problems

If this sounds like you, then the natural resources and agriscience may be the educational pathway you wish to follow in high school to lead to a challenging and rewarding career.

The following is a list of career opportunities by educational level. By reviewing this list of basic occupations, you will be able to see which educational level you will need to work toward to have a successful career in the natural resources and agriscience pathway. This will help you as you meet with your counselor and family to work on your education development plan.
<table>
<thead>
<tr>
<th>High School Graduate</th>
<th>Technical Training or 2-Year College</th>
<th>4-Year College and Beyond</th>
</tr>
</thead>
<tbody>
<tr>
<td>Animal trainer</td>
<td>Agricultural commodity grader</td>
<td>Agricultural economist</td>
</tr>
<tr>
<td>Aquatic life laborer</td>
<td>Arborist</td>
<td>Agricultural engineer</td>
</tr>
<tr>
<td>Deckhand</td>
<td>Assayer</td>
<td>Agronomist</td>
</tr>
<tr>
<td>Dog groomer</td>
<td>Environmental technician Farmer</td>
<td>Aquaculturalist</td>
</tr>
<tr>
<td>Farm machine operator</td>
<td>Floral designer</td>
<td>Botanist</td>
</tr>
<tr>
<td>Golf course maintenance worker</td>
<td>Florist</td>
<td>Earth scientist</td>
</tr>
<tr>
<td>Greenhouse maintenance worker</td>
<td>Food science technician</td>
<td>Environmental health inspector</td>
</tr>
<tr>
<td>Lawn service worker</td>
<td>Geological data technician Greenhouse manager</td>
<td>Extension service specialist</td>
</tr>
<tr>
<td>Logger</td>
<td>Greenskeeper Inspector</td>
<td>Farm animal veterinarian</td>
</tr>
<tr>
<td>Nursery worker</td>
<td>Land appraiser</td>
<td>Food scientist</td>
</tr>
<tr>
<td>Turf/sod producer</td>
<td>Landscape construction</td>
<td>Forester</td>
</tr>
<tr>
<td>Veterinary technician</td>
<td>Logging operations</td>
<td>Forest/urban ecologist</td>
</tr>
<tr>
<td></td>
<td>Meteorological technician Park naturalist Park ranger</td>
<td>Geographer</td>
</tr>
<tr>
<td></td>
<td>Park ranger</td>
<td>Geologist</td>
</tr>
<tr>
<td></td>
<td>Stadium grounds crew</td>
<td>Geophysicist</td>
</tr>
<tr>
<td></td>
<td>Topographic technician Turf manager</td>
<td>Golf course superintendent</td>
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<tr>
<td></td>
<td></td>
<td>Horticulturalist</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Land development consultant</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Landscape architect</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Logging superintendent</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Meteorologist</td>
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<tr>
<td></td>
<td></td>
<td>Soil conservationist</td>
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<tr>
<td></td>
<td></td>
<td>Urban forester</td>
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<tr>
<td></td>
<td></td>
<td>Volcanologist</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Water conservationist</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Wildlife manager</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Veterinarian</td>
</tr>
</tbody>
</table>
Natural Resources and Agriscience Career Pathway Requirements

To graduate, students must complete credits specified by the Detroit Public Schools. Please refer to the page in this catalog that defines graduation requirements. If the natural resources and agriscience career you are planning to enter requires a college degree, refer to the page in this catalog that describes how to prepare for college. You should also access data bases recommended by your counselor to obtain college and career information.

The sequence of courses listed below is the recommended sequence. Note that course electives listed in the “Course Information and Descriptions” section of this catalog may not be available in all schools. Individual school or student schedules may not allow for the sequence to be followed exactly as printed.

Following the recommended natural resources and agriscience pathway requirements does not guarantee acceptance into an institution of higher learning or employment. Students still must reach the standards required for entrance to higher education or employment. Students should meet regularly with school counselors and teachers to monitor academic progress to ensure requirements for college, trade schools and employment are being met.

**Grade 9**

**Core Courses**
Freshman Seminar and English, Language Arts 9
Language Arts 9 1 credit each
Algebra I 1 credit
Algebra Lab 1 credit
Biology 1 credit
US History and Geography 1 credit

**REQUIRED Academic Electives for Graduation**
Language other than English 2 credits
Visual, Performing and Applied Arts 1 credit
Out-of-Class Learning (200 hrs) 1 credit

**Grade 10**

**Core Courses**
English, Language Arts 10 1 credit
Geometry 1 credit
Civics and Economics .5 credit each
Physics or Chemistry 1 credit

**REQUIRED Academic Electives for Graduation**
Language other than English 2 credits
Visual, Performing and Applied Arts 1 credit
Suggested Electives
Natural resources and agriscience elective courses as offered by each school site

Grade 11
Core Courses
English, Language Arts 11 1 credit
Algebra II 1 credit
World History and Geography 1 credit

REQUIRED Academic Electives for Graduation
Science elective 1 credit
Language other than English 2 credits
Visual, Performing and Applied Arts 1 credit
Physical Education & Health 1 credit
Out-of-Class Learning (200 hrs) 1 credit

Suggested Electives
Natural resources and agriscience elective courses as offered by each school site

Grade 12
Core Courses
English, Language Arts 12 1 credit
Mathematics elective requirement 1 credit
Language other than English 1 credit
Visual, Performing and Applied Arts 1 credit
Physical Education & Health 1 credit

Suggested Electives
Natural resources and agriscience elective courses as offered by each school site
Natural Resources and Agriscience Pathway Certificate Programs

Detroit public Schools offer Career Pathway certificate programs at various high schools throughout the District. Certificate programs provide high school students with the opportunity to specialize in a particular career focus within a career pathway. Upon successful completion of all graduation requirements and specialized courses within the career focus, graduates will receive, in addition to their Diploma, either an industry-based certificate or certificate of completion for the specialized career area.

Students enrolled in career pathway certificate programs are required to complete the same core courses and graduation requirements as other students. The sequence of courses for specialized certificate programs may be slightly different from those listed in the career pathway section of this catalog. Please see the school counselor for more detailed information on any of the specialized career pathway certificate programs.

At this time, no certificates are available for this pathway.
## COURSE CATALOG INFORMATION KEY

<table>
<thead>
<tr>
<th><strong>Course Title:</strong></th>
<th>Full title of course</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Course ID:</strong></td>
<td>The letter/number code that uniquely identifies the course</td>
</tr>
<tr>
<td><strong>Course Description:</strong></td>
<td>Short description of the content of the course</td>
</tr>
<tr>
<td><strong>Grades:</strong></td>
<td>Grade level of students to participate in this course</td>
</tr>
<tr>
<td><strong>Credit:</strong></td>
<td>Number of units of credit the course will satisfy or is worth</td>
</tr>
<tr>
<td></td>
<td>- Courses worth one credit are yearly, or annual, courses</td>
</tr>
<tr>
<td></td>
<td>- Courses worth .5 credit are semester courses</td>
</tr>
<tr>
<td><strong>Graduation Requirement:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>E = Elective</strong></td>
<td>An optional course that a student may take to fulfill the needed credits for graduation</td>
</tr>
<tr>
<td><strong>M = Meets Graduation Requirements</strong></td>
<td>An advanced or honors course that may substitute for a required course, for example: AP English Language and Composition may substitute for English, Language Arts 12</td>
</tr>
<tr>
<td><strong>R = Required for Graduation</strong></td>
<td>Course required for graduation, for example: Physical Education &amp; Health</td>
</tr>
<tr>
<td><strong>P = Pathways Certificate Requirement</strong></td>
<td>Course required for certification</td>
</tr>
<tr>
<td><strong>Prerequisite:</strong></td>
<td>Indicates successful completion of a qualifying course(s)</td>
</tr>
</tbody>
</table>
## Career and Technical Education

### Computer Technology/Graphic Communications 1

**Course ID:** 7780  
**Description:** Students are exposed to the field of graphic design and desktop publishing. This course enables students to design logos, business stationary, posters, invitations, CD jackets, and newsletters based on instructions and creative freedom.  
**Grade:** 10-11  
**Credits:** 1.5  
**Required:** E  
**Prerequisite:** 0

### Computer Technology/Graphic Communications 2

**Course ID:** 7781  
**Description:** Students are introduced to concept development, thumb-nailing, typography and image designs.  
**Grade:** 10-11  
**Credits:** 1.5  
**Required:** E  
**Prerequisite:** Y

### Computer Technology/Graphic Communications 3

**Course ID:** 7782  
**Description:** Students gain experience with Mac and PC platforms as well as programs such as QuarkXpress, PageMaker, Illustrator, Photoshop, and MS Word.  
**Grade:** 11-12  
**Credits:** 1.5  
**Required:** E  
**Prerequisite:** Y

### Computer Technology/Graphic Communications 4

**Course ID:** 7783  
**Description:** Students practice advertising, customer service and entrepreneurial skills in the on-site quick-copy customer service business environment.  
**Grade:** 11-12  
**Credits:** 1.5  
**Required:** E  
**Prerequisite:** Y

### Radio & TV Broadcasting 1

**Course ID:** 7825  
**Description:** Students will learn the fundamentals of theory, pre-production and production.  
**Grade:** 10-11  
**Credits:** 1.5  
**Required:** E  
**Prerequisite:** 0

### Radio & TV Broadcasting 2

**Course ID:** 7826  
**Description:** Students will continue their study of theory, pre-production and production.  
**Grade:** 10-11  
**Credits:** 1.5  
**Required:** E  
**Prerequisite:** 0

### Radio & TV Broadcasting 3

**Course ID:** 7827  
**Description:** Students will gain leadership and employability skills while studying media’s effect on society and post-production.  
**Grade:** 11-12  
**Credits:** 1.5  
**Required:** E  
**Prerequisite:** 0

### Radio & TV Broadcasting 4

**Course ID:** 7828  
**Description:** Students will explore emerging technology, post-production and employment.  
**Grade:** 11-12  
**Credits:** 1.5  
**Required:** E  
**Prerequisite:** Y
### BUSINESS, MANAGEMENT, MARKETING AND TECHNOLOGY

#### Information Management Technology 1

**Course ID:** 7580  
**Description:** Students will learn essential business skills while focusing on professional development and information management.  
**Grade:** 10-11  
**Credits:** 1.5  
**Required:** E  
**Prerequisite:** 0

#### Information Management Technology 2

**Course ID:** 7581  
**Description:** Students will increase their knowledge and experience as well as gaining essential employment skills by learning the roles and responsibilities of an entrepreneur. Students will also obtain recordkeeping skills through the use of MS Excel.  
**Grade:** 10-11  
**Credits:** 1.5  
**Required:** E  
**Prerequisite:** Y

#### Information Management Technology 3

**Course ID:** 7582  
**Description:** This course is designed to focus on financial analysis and economics and advanced applications. Students will learn to create and maintain databases using MS Access.  
**Grade:** 11-12  
**Credits:** 1.5  
**Required:** E  
**Prerequisite:** Y

#### Information Management Technology 4

**Course ID:** 7583  
**Description:** Students will further their knowledge and experience in management support through the study of strategic management, business law, operations and business processes.  
**Grade:** 11-12  
**Credits:** 1.5  
**Required:** E  
**Prerequisite:** Y

#### Academy of Finance 1

**Course ID:** 7785  
**Description:** Students will learn journalizing, posting, and financial reporting.  
**Grade:** 10-11  
**Credits:** 1.5  
**Required:** E  
**Prerequisite:** 0

#### Academy of Finance 2

**Course ID:** 7786  
**Description:** This program, the first in the Detroit Public Schools and in the State of Michigan, provides students with a unique opportunity to study an industry-related course of study coupled with paid internships in the financial services industry. Students will learn the fundamentals of finance and entrepreneurship while studying cash control and payroll.  
**Grade:** 10-11  
**Credits:** 1.5  
**Required:** E  
**Prerequisite:** Y

#### Academy of Finance 3

**Course ID:** 7787  
**Description:** Students will continue their study and practice of finance through obtaining skills in period ending, special journals, and merchandise.  
**Grade:** 11-12  
**Credits:** 1.5  
**Required:** E  
**Prerequisite:** Y

#### Academy of Finance 4

**Course ID:** 7788  
**Description:** Students will utilize learned skills such as cost accounting, inventory, un-collectibles and corporate accounting.  
**Grade:** 11-12  
**Credits:** 1.5  
**Required:** E  
**Prerequisite:** Y
Cooking and Related Culinary Arts 1

Course ID: 7576
Description: Students are introduced to basic culinary arts and services, sanitation and safety and employment opportunities. Students have the opportunity to rotate through all areas of employment in a commercial food establishment. Students gain hands-on experience in a la carte and banquet service, hot and cold food preparation, and retail customer service. Students also receive training on the latest commercial restaurant point-of-sale computer systems.
Grade: 10-11
Credits: 1.5
Required: E
Prerequisite: 0

Cooking and Related Culinary Arts 2

Course ID: 7577
Description: Students continue their instruction in the culinary arts and services. They explore the gourmet cuisines and services, strengthening their basic skills and have the opportunity to gain professional experience with co-op or practicum job training. Training in computer applications as they relate to the culinary arts industry, menu writing and design, recipe creation and advanced point-of-sale instruction are included.
Grade: 10-11
Credits: 1.5
Required: E
Prerequisite: Y

Cooking and Related Culinary Arts 3

Course ID: 7578
Description: Students are introduced to the basic principles of baking and pastry creation as practiced in the food service industry. Students focus on techniques for all aspects of production, sanitation and safety, and retail customer service. Students assist in the preparation of baked goods and pastries for restaurant service and catered events. Accuracy, speed and creativity are essential for successful performance.
Grade: 11-12
Credits: 1.5
Required: E
Prerequisite: Y

Cooking and Related Culinary Arts 4

Course ID: 7579
Description: Students receive instruction in the packaging and preparation of retail and commercial portion controlled poultry, beef, pork, and seafood items. This program emphasizes techniques and procedures practiced in retail outlets, restaurants and hotels. Sanitation and safety procedures are also taught. Students also learn to prepare cold meat trays, various types of sausages and specialty meat items.
Grade: 11-12
Credits: 1.5
Required: E
Prerequisite: Y

Oracle Internet Academy 1

Course ID: 7684
Description: This is a program designed to educate students on the fundamentals of internet and database technology. Students are exposed to the latest e-learning technology.
Grade: 10-11
Credits: 1.5
Required: E
Prerequisite: Y

Oracle Internet Academy 2

Course ID: 7694
Description: Students study database fundamentals, programming, decision making and coding principles.
Grade: 10-11
Credits: 1.5
Required: E
Prerequisite: Y

Oracle Internet Academy 3

Course ID: 7714
Description: Students are introduced to Java, Java programming, data verification and software testing.
Grade: 11-12
Credits: 1.5
Required: E
Prerequisite: Y
<table>
<thead>
<tr>
<th>Course ID: 7719</th>
<th>Course ID: 7760</th>
<th>Course ID: 7761</th>
<th>Course ID: 7762</th>
<th>Course ID: 7763</th>
<th>Course ID: 7715</th>
<th>Course ID: 7716</th>
<th>Course ID: 7717</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description:</strong> Students are introduced to project management basics, program maintenance, and program enhancement concepts.</td>
<td><strong>Description:</strong> The demand for high-tech workers has increased rapidly and will continue to grow. This program, sponsored by the National Academy of Foundation (NAF), will equip students with skills that will enhance their marketability in today’s workplace. It is strongly supported by a business and industry advisory board to ensure students’ readiness for the job market. Students are introduced to information technology and the internet, web browsing, databases, and we search engines.</td>
<td><strong>Description:</strong> Students study database fundamentals, programming, decision making and coding principles. Students focus on email and personal information management/internet services and tools, internet security, and IT project management.</td>
<td><strong>Description:</strong> Students study hardware, operating systems, maintenance, upgrading and repair. Students are introduced to web site development, coding, and image techniques and frames.</td>
<td><strong>Description:</strong> Students are introduced to project management basics, program maintenance, and program enhancement concepts. Students also study internet, networking and security, peripherals and portables, as well as employability.</td>
<td><strong>Description:</strong> Students begin a comprehensive e-learning program focusing on operating systems software, identifying computer parts, and safety issues. Student must possess basic computer and word-processing skills.</td>
<td><strong>Description:</strong> Students focus on application software, basic networking, laptops and mobile devices.</td>
<td><strong>Description:</strong> Students study basic diagnostics and repair while learning system files and programs, in addition to periodic and preventative.</td>
</tr>
<tr>
<td><strong>Grade:</strong> 11-12</td>
<td><strong>Grade:</strong> 10-11</td>
<td><strong>Grade:</strong> 10-11</td>
<td><strong>Grade:</strong> 10-11</td>
<td><strong>Grade:</strong> 11-12</td>
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</tbody>
</table>

**Academy of Information Technology / Computer Networking 1**

**Course ID: 7760**

**Description:** The demand for high-tech workers has increased rapidly and will continue to grow. This program, sponsored by the National Academy of Foundation (NAF), will equip students with skills that will enhance their marketability in today’s workplace. It is strongly supported by a business and industry advisory board to ensure students’ readiness for the job market. Students are introduced to information technology and the internet, web browsing, databases, and we search engines.

**Grade:** 10-11

**Credits:** 1.5

**Required:** E

**Prerequisite:** 0

**Academy of Information Technology / Computer Networking 2**

**Course ID: 7761**

**Description:** Students study database fundamentals, programming, decision making and coding principles. Students focus on email and personal information management/internet services and tools, internet security, and IT project management.

**Grade:** 10-11

**Credits:** 1.5

**Required:** E

**Prerequisite:** Y

**Academy of Information Technology / Computer Networking 3**

**Course ID: 7762**

**Description:** Students study hardware, operating systems, maintenance, upgrading and repair. Students are introduced to web site development, coding, and image techniques and frames.

**Grade:** 11-12

**Credits:** 1.5

**Required:** E

**Prerequisite:** Y

**CISCO ANT 1**

**Course ID: 7715**

**Description:** Students begin a comprehensive e-learning program focusing on operating systems software, identifying computer parts, and safety issues. Student must possess basic computer and word-processing skills.

**Grade:** 10-11

**Credits:** 1.5

**Required:** E

**Prerequisite:** 0

**CISCO ANT 2**

**Course ID: 7716**

**Description:** Students focus on application software, basic networking, laptops and mobile devices.

**Grade:** 10-11

**Credits:** 1.5

**Required:** Same as above

**Prerequisite:** Y

**CISCO ANT 3**

**Course ID: 7717**

**Description:** Students study basic diagnostics and repair while learning system files and programs, in addition to periodic and preventative.

**Grade:** 11-12

**Credits:** 1.5

**Required:** E

**Prerequisite:** Y
<table>
<thead>
<tr>
<th>Course ID</th>
<th>Description</th>
<th>Grade</th>
<th>Credits</th>
<th>Required</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>7718</td>
<td>Students further their knowledge and of diagnostics and repair while building a computer and increasing security knowledge and experience.</td>
<td>11-12</td>
<td>1.5</td>
<td>E</td>
<td>Y</td>
</tr>
<tr>
<td>7610</td>
<td>Students begin a comprehensive e-learning program focusing on operating systems software, identifying computer parts, and safety issues. Student must possess basic computer and word-processing skills.</td>
<td>10-12</td>
<td>1.5</td>
<td>E</td>
<td>0</td>
</tr>
<tr>
<td>7611</td>
<td>Students focus on application software, basic networking, laptops and mobile devices.</td>
<td>10-12</td>
<td>1.5</td>
<td>E</td>
<td>Y</td>
</tr>
<tr>
<td>7612</td>
<td>Students study basic diagnostics and repair while learning system files and programs, in addition to periodic and preventative.</td>
<td>11-12</td>
<td>1.5</td>
<td>E</td>
<td>Y</td>
</tr>
<tr>
<td>7613</td>
<td>Students further their knowledge and of diagnostics and repair while building a computer and increasing security knowledge and experience.</td>
<td>11-12</td>
<td>1.5</td>
<td>E</td>
<td>Y</td>
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<tr>
<td>7655</td>
<td>Students are introduction to the basic functions of marketing, economics, and customer relations.</td>
<td>10-11</td>
<td>1.5</td>
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<tr>
<td>7656</td>
<td>Students become more familiar with selling, promotion, and distribution.</td>
<td>10-11</td>
<td>1.5</td>
<td>E</td>
<td>Y</td>
</tr>
<tr>
<td>7669</td>
<td>Marketing information management; product planning; management</td>
<td>11-12</td>
<td>1.5</td>
<td>E</td>
<td>Y</td>
</tr>
<tr>
<td>7670</td>
<td>Students are also introduced to the concepts for entrepreneurship and career development.</td>
<td>11-12</td>
<td>1.5</td>
<td>E</td>
<td>Y</td>
</tr>
</tbody>
</table>
ENGINEERING MANUFACTURING
AND INDUSTRIAL TECHNOLOGY

Computer-Aided Drafting (CAD) 1
Course ID: 7665
Description: Students are exposed to the basic concepts of drawing techniques, editing, storing, retrieving, plotting, and become familiar with the system hardware and software related to CAD and rapid prototyping. Drawing exercises introduce software and hardware functions, geometric construction, and orthographic views.
Grade: 10-11
Credits: 1.5
Required: E
Prerequisite: Y

Computer-Aided Drafting (CAD) 2
Course ID: 7666
Description: Students increase their knowledge and understanding of CAD through studying dimensioning, sections, and pictorial drawings.
Grade: 10-11
Credits: 1.5
Required: E
Prerequisite: Y

Computer-Aided Drafting (CAD) 3
Course ID: 7667
Description: Students utilize skills from the first two courses in order to learn new tools and techniques such as fasteners, descriptive geometry and 3D parametric drawings.
Grade: 11-12
Credits: 1.5
Required: E
Prerequisite: Y

Computer-Aided Drafting (CAD) 4
Course ID: 7668
Description: Students demonstrate leadership and employability skills by applying computer aided design techniques and principles to create working drawings related to residential architecture.
Grade: 11-12
Credits: 1.5
Required: E
Prerequisite: Y

Interior Furnishing 1
Course ID: 7671
Description: This is a training program where students explore their creativity in making home furnishings products; selecting and arranging fabrics, furniture and accessories; designing clients’ floor plans; and designing to empower students with knowledge and skills through hands-on integrated learning experiences that lead to practicum and cooperative opportunities. Students learn measurement techniques and drafting. Students are also introduced to the principles and elements of design and color theory.
Grade: 10-11
Credits: 1.5
Required: E
Prerequisite: 0

Interior Furnishing 2
Course ID: 7672
Description: Students further develop employability skills through the practice of leadership and teamwork. Students practice methods of data collection analysis.
Grade: 10-11
Credits: 1.5
Required: E
Prerequisite: Y

Interior Furnishing 3
Course ID: 7673
Description: Students continue to learn and utilize technology skills at the worksite.
Grade: 11-12
Credits: 1.5
Required: E
Prerequisite: Y

Interior Furnishing 4
Course ID: 7674
Description: Students are introduced to professional design organizations, interpreting prints and specifications as well as codes and barrier free design.
Grade: 11-12
Credits: 1.5
Required: E
Prerequisite: Y
<table>
<thead>
<tr>
<th>Course ID</th>
<th>Description</th>
<th>Grade</th>
<th>Credits</th>
<th>Required</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>7680</td>
<td>Students are introduced to safety and career awareness. Students construct walls, partitions, fireplaces, chimneys and other structures; work with masonry materials such as concrete, cement block and brick; read, interpret blueprints, and estimate masonry materials for jobs. All students are expected to become members and participate in SkillsUSA.</td>
<td>10-11</td>
<td>1.5</td>
<td>E</td>
<td>0</td>
</tr>
<tr>
<td>7681</td>
<td>Students continue to learn trade mathematics and trade terminology, safety and career awareness. Students learn to use a plumb rule and develop leveling and tooling skills. Students learn to layout brick walls, partitions, and other small structures. Students build with different combinations of bricks and are introduced to other tools associated with the trade.</td>
<td>10-11</td>
<td>1.5</td>
<td>E</td>
<td>0</td>
</tr>
<tr>
<td>7682</td>
<td>Students construct projects using a variety of advance blocks and brick combinations. Students learn how to construct a fireplace, chimney and to repair them as well.</td>
<td>11-12</td>
<td>1.5</td>
<td>E</td>
<td>Y</td>
</tr>
<tr>
<td>7683</td>
<td>Students learn how to build with pavers forming concrete. Students learn to interview for a job and build a resume. Students read blue-prints, learn to estimate jobs, foundation presentation, scaffolding, and employability skills. Students also learn to build large structures such as a garage or house</td>
<td>11-12</td>
<td>1.5</td>
<td>E</td>
<td>Y</td>
</tr>
<tr>
<td>7641</td>
<td>Students are introduced to safety and career awareness. Students read blueprints, construct wood frame buildings, estimate materials for a job and construct various wall sections, stairway and rafter sections. Identify and safely operate all hand and power tools used in the trade.</td>
<td>10-11</td>
<td>1.5</td>
<td>E</td>
<td>0</td>
</tr>
<tr>
<td>7642</td>
<td>Students work with floor framing/wall &amp; ceiling, roof framing and roofing materials.</td>
<td>10-11</td>
<td>1.5</td>
<td>E</td>
<td>Y</td>
</tr>
<tr>
<td>7643</td>
<td>Students work with windows and doors, siding and decks, insulation, and wall finishes.</td>
<td>11-12</td>
<td>1.5</td>
<td>E</td>
<td>Y</td>
</tr>
<tr>
<td>7644</td>
<td>Students work with interior finishes, stair framing and finishes, as well as cabinets and countertops.</td>
<td>11-12</td>
<td>1.5</td>
<td>E</td>
<td>Y</td>
</tr>
</tbody>
</table>
Plumbing Technology 1
Course ID: 7690
Description: Students are introduced to safety and career awareness. Students repair, assemble and install heating, water and drain systems in residential and commercial establishments, layout plans for plumbing systems, maintain plumbing equipment, rough-in piping systems, and install hydronic heating systems.
Grade: 10-11
Credits: 1.5
Required: E
Prerequisite: 0

Plumbing Technology 2
Course ID: 7691
Description: Students further explore water distribution, fixture installation and supply and drain concepts. Students are exposed to the trades of residential plumber, irrigation workers and pipefitters.
Grade: 10-11
Credits: 1.5
Required: E
Prerequisite: Y

Plumbing Technology 3
Course ID: 7692
Description: Students explore the advanced principles of water supply as well as DWV concepts.
Grade: 11-12
Credits: 1.5
Required: E
Prerequisite: Y

Plumbing Technology 4
Course ID: 7693
Description: Students incorporate steam and sprinkler systems, advanced pipefitting and new technologies into their portfolios.
Grade: 11-12
Credits: 1.5
Required: E
Prerequisite: Y

Construction/Electrical Power 1
Course ID: 7650
Description: Students are introduced to safety and career awareness. Students learn to read blueprints, layout, install and test electrical fixtures and wiring (used in home electrical systems), conduit bending, and doorbell systems.
Grade: 10-11
Credits: 1.5
Required: E
Prerequisite: 0

Construction/Electrical Power 2
Course ID: 7651
Description: Students learn basic electrical theory; as well as the basics of commercial wiring. Students are able to wire a small home with supervision.
Grade: 10-11
Credits: 1.5
Required: E
Prerequisite: Y

Construction/Electrical Power 3
Course ID: 7652
Description: Students learn basic commercial and industrial wiring skills such as symbols, relays, and contractors.
Grade: 11-12
Credits: 1.5
Required: E
Prerequisite: Y

Construction/Electrical Power 4
Course ID: 7653
Description: Students learn how to wire complex circuits and PLC automation.
Grade: 11-12
Credits: 1.5
Required: E
Prerequisite: Y
### Air Conditioning & Heating Technology 1

**Course ID:** 7630  
**Description:** Students install and service various types of climate control systems, read wiring diagrams, learn troubleshooting techniques using multi-meters and other testing equipment; recover refrigerant, charging systems; solder and brazing techniques are shown and utilized.  
**Grade:** 10-11  
**Credits:** 1.5  
**Required:** E  
**Prerequisite:** 0

### Air Conditioning & Heating Technology 2

**Course ID:** 7631  
**Description:** Gas heat and troubleshooting procedures are learned. Students learn to recognize and calculate problems in heating systems. Students are introduced to specialized tools and equipment used to accomplish these tasks.  
**Grade:** 10-11  
**Credits:** 1.5  
**Required:** E  
**Prerequisite:** Y

### Air Conditioning & Heating Technology 3

**Course ID:** 7632  
**Description:** Students learn to locate system malfunction with heating, cooling and refrigeration systems.  
**Grade:** 11-12  
**Credits:** 1.5  
**Required:** E  
**Prerequisite:** Y

### Air Conditioning & Heating Technology 4

**Course ID:** 7633  
**Description:** Students focus on using electrical testing instruments and qualifying as an entry level H-VAC technician. Portfolios will be developed.  
**Grade:** 11-12  
**Credits:** 1.5  
**Required:** E  
**Prerequisite:** Y

### Biomedical Engineering 1

**Course ID:** 7855  
**Description:** Students are prepared for an entry-level Electronics position in the medical and/or industrial environment. The program strongly prepares those students who have an aspiration for Engineering Technology while it enriches the skills for those focused on becoming Electronics Technicians. This program lays a solid foundation for those students who want to pursue a career in the Medical field. Students will learn and practice the necessary safety skills for Electronics Technicians.  
**Grade:** 10-11  
**Credits:** 1.5  
**Required:** E  
**Prerequisite:** 0

### Biomedical Engineering 2

**Course ID:** 7856  
**Description:** Students continue to learn and practice the basic skills for Electronics Technicians.  
**Grade:** 10-11  
**Credits:** 1.5  
**Required:** E  
**Prerequisite:** Y

### Biomedical Engineering 3

**Course ID:** 7857  
**Description:** Students learn to repair basic medical electronic equipment, principles of Robotics and principles of telecommunications. Students learn to design and build various electronic kits while perfecting such skills as soldering techniques.  
**Grade:** 11-12  
**Credits:** 1.5  
**Required:** E  
**Prerequisite:** Y

### Biomedical Engineering 4

**Course ID:** 7858  
**Description:** Students have an opportunity to work for five weeks in either a medical facility or in an industrial setting before they graduate. Because technology changes so quickly, students in this program are prepared to adapt to any change as they pursue their career.  
**Grade:** 11-12  
**Credits:** 1.5  
**Required:** E  
**Prerequisite:** Y
<table>
<thead>
<tr>
<th>Course ID</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>7620</td>
<td>Students receive an occupational orientation that focuses on the safety and health for welders. Students are also introduced to shielding metal arc welding. Students are trained in the complete comprehensive basics of welding, cutting, and fabrication.</td>
</tr>
<tr>
<td>7621</td>
<td>Students gain experience with oxyacetylene welding, brazing, shielded metal and gas tungsten arc welding. Students are exposed to gas cutting, drawing and welding symbols.</td>
</tr>
<tr>
<td>7622</td>
<td>Students are also exposed to blueprint reading, layout procedures, cut and test welds.</td>
</tr>
<tr>
<td>7623</td>
<td>Students are exposed to flux cored arc welding (FCAW-G/GM) and plasma arc cutting; air carbon arc cutting.</td>
</tr>
<tr>
<td>7765</td>
<td>Students are introduced to the auto body shop while studying and learning the importance of shop safety. Students will also learn about collision repair careers.</td>
</tr>
<tr>
<td>7766</td>
<td>Students are introduced to paint spraying equipment, car surface and preparation, as well as mixing and applying paints and primers.</td>
</tr>
<tr>
<td>7767</td>
<td>Students study car and panel detailing, damage analysis/estimating, and refinishing certifications.</td>
</tr>
<tr>
<td>7768</td>
<td>Students use advanced refinish equipment while studying advanced color mixing/refining and paint problems/defects.</td>
</tr>
</tbody>
</table>
Automotive Technician 1
Course ID:  7590
Description: Students are introduced to tools and equipment, safety and employability; general suspension and steering diagnosis/wheel alignment diagnosis, adjustment and repair; general electrical system diagnosis/battery diagnosis and service.
Grade:  10-11
Credits:  1.5
Required:  E
Prerequisite:  0

Automotive Technician 2
Course ID:  7591
Description: Students learn: horn and wiper/washer and accessories diagnosis and repair; fuel, air induction, and exhaust systems diagnosis and repair; general brake systems diagnosis/hydraulic system diagnosis and repair/miscellaneous (wheel bearings, parking brakes, electrical, etc).
Grade:  10-11
Credits:  1.5
Required:  E
Prerequisite:  Y

Automotive Technician 3
Course ID:  7592
Description: Students learn: suspension system diagnosis and repair/steering system diagnosis and repair/wheel and tire diagnosis and repair; leadership, customer service and teamwork; drum and disc brake diagnosis and repair/anti-lock brake and traction control systems
Grade:  11-12
Credits:  1.5
Required:  E
Prerequisite:  Y

Automotive Technician 4
Course ID:  7593
Description: Students learn automotive service repair competencies with an emphasis on professional service and diagnostic procedures. They learn the operation of automotive systems and perform hands-on job orders relative to: (1) Engine Performance, (2) Brakes (3) Steering/ Suspension, (4) Electrical/Electronic Systems (5) Engine Repair. Students who successfully complete these courses are expected to take the Michigan Mechanic Certification Examination(s).
Grade:  11-12
Credits:  1.5
Required:  E
Prerequisite:  Y

Aircraft General Lab 1
Course ID:  5301
Description: Students are provided with foundational skills and core competencies to exhibit knowledge and understanding of how to apply facts, principles, theories, and concepts in aircraft and aviation maintenance through both theory and shop projects. Students focus on safety and ground operations, aviation academic foundations, line fabrication, aircraft drawings, and corrosion control.
Grade:  9-10
Credits:  1.5
Required:  E
Prerequisite:  Y

Aircraft General Lab 2
Course ID:  5302
Description: Students study and practice maintenance regulations, forms and records, as well as materials and processes.
Grade:  9-10
Credits:  1.5
Required:  E
Prerequisite:  Y

Aircraft General Lab 3
Course ID:  5303
Description: As a continuation from Aircraft General Lab 2, students focus on basic electricity.
Grade:  9-10
Credits:  1.5
Required:  E
Prerequisite:  Y
### Aircraft General Lab 4

**Course ID:** 5304  
**Description:** Students continue to study and apply facts, principles, theories and concepts in aircraft and aviation maintenance. Students learn materials and processes, line fabrication, aircraft drawings, and corrosion control.  
**Grade:** 9-10  
**Credits:** 1.5  
**Required:** E  
**Prerequisite:** Y

### Airframe Technology 1

**Course ID:** 5311  
**Description:** The Airframe of an aircraft consists of “everything but the engine.” The Airframe Program provides students with training in the structure and systems that make up the aircraft’s airframe and prepares them to obtain a FAA Aviation Maintenance Technician’s Certificate with an airframe rating. Students learn and practice safety and ground operations, materials and processes, as well as sheet metal fabrication and inspection.  
**Grade:** 11-12  
**Credits:** 1.5  
**Required:** E  
**Prerequisite:** Y

### Airframe Technology 2

**Course ID:** 5312  
**Description:** Students focus on composites and finishes.  
**Grade:** 11-12  
**Credits:** 1.5  
**Required:** E  
**Prerequisite:** Y

### Airframe Technology 3

**Course ID:** 5313  
**Description:** Students study flight controls, fluid and airframe systems.  
**Grade:** 11-12  
**Credits:** 1.5  
**Required:** E  
**Prerequisite:** Y

### Airframe Technology 4

**Course ID:** 5314  
**Description:** Students study line fabrication, aircraft drawings and corrosion control, and basic airframe electrical. Students also explore communication, navigation systems and aircraft inspection.  
**Grade:** 11-12  
**Credits:** 1.5  
**Required:** E  
**Prerequisite:** Y

### Powerplant Technology 1

**Course ID:** 5321  
**Description:** The Powerplant of an aircraft consists of “the engine and its components.” The Powerplant Program provides students with training in inspection, troubleshooting, and repair of aircraft engines and systems. Powerplant training prepares students to obtain a FAA Aviation Maintenance Technician’s Certificate with a Powerplant rating. Students study the fundamentals of reciprocating engine technology, engine system inspection, and aircraft fuel systems.  
**Grade:** 11-12  
**Credits:** 1.5  
**Required:** E  
**Prerequisite:** Y

### Powerplant Technology 2

**Course ID:** 5322  
**Description:** Students learn and practice safety and ground operations and aircraft electrical.  
**Grade:** 11-12  
**Credits:** 1.5  
**Required:** E  
**Prerequisite:** Y

### Powerplant Technology 3

**Course ID:**  
**Description:** Students focus on turbine engine technology, aircraft electrical, and engine induction and propellers.  
**Grade:** 11-12  
**Credits:** 1.5  
**Required:** E  
**Prerequisite:** Y
Powerplant Technology 4
Course ID: 5332
Description: Students study engine system inspection and aircraft fuel systems.
Grade: 11-12
Credits: 1.5
Required: E
Prerequisite: Flight Training 2

Flight Training 1
Course ID: 5330
Description: The Aviation Flight Science Program teaches students both theory and practical experiences through Ground School and actual professional flight. Students are introduced to flight procedures and preflight as well as flight safety. Students focus on the fundamentals of flight as well as flight and pre-flight procedures. Students study human factors, airplane and powerplant systems.
Grade: 11-12
Credits: 1.5
Required: E
Prerequisite: 0

Flight Training 2
Course ID: 5331
Description: Students study aerodynamics, the flight environment, communication and flight information, performance, and navigation.
Grade: 11-12
Credits: 1.5
Required: E
Prerequisite: Y

Flight Training 3
Course ID: 5332
Description: Students learn about aircraft performance, flight maneuvers, and aviation weather.
Grade: 11 – 12
Credits: 1.5
Required: E
Prerequisite: Flight Training 2

Flight Training 4
Course ID: 5333
Description: Students focus on aerospace opportunities, navigation, and flying cross-country.
Grade: 11 - 12
Credits: 1.5
Required: E
Prerequisite: Flight Training 3

Flight Training 5
Course ID: 5334
Description: This course is a written test preparation course. Students must demonstrate an understanding of the elements of Private Pilot preflight preparation in accordance with practical test standards. The Aviation Flight Science Program teaches students both theory and practical experiences through Ground School and actual professional flight. The ground school covers the aeronautical knowledge the student needs to pass the Private Pilot written examination. Students successfully completing all the flight training requirements can achieve their Private Pilot license prior to graduation.
Grade: 11 - 12
Credits: 1.5
Required: E
Prerequisite: None
HEALTH SCIENCES

Medical Assistant 1
Course ID: 7545
Description: Students are trained in medical office/laboratory assisting and medical insurance billing. Preparation will focus on verbal and written communications, examination, techniques, clinical laboratory testing, and office management.
Grade: 10-11
Credits: 1.5
Required: E
Prerequisite: 0

Medical Assistant 2
Course ID: 7546
Description: Communication, technical skills and employability are very important topics in this course.
Grade: 10-11
Credits: 1.5
Required: E
Prerequisite: Y

Medical Assistant 3
Course ID: 7547
Description: Students work in teams while focusing on systems, legal charting and ethics.
Grade: 11-12
Credits: 1.5
Required: E
Prerequisite: Y

Medical Assistant 4
Course ID: 7548
Description: Students acquire knowledge of insurance coding systems, computerized billing forms, preparation of various types of medical insurances (Medicare, Medicaid, Blue Cross, HMOs) and other third party (billing), claim processing procedures and basic skills in medical transcription.
Grade: 11-12
Credits: 1.5
Required: E
Prerequisite: Y

Patient Care Assisting 1
Course ID: 7928
Description: Students learn the importance of safety in the medical industry. Students receive multi-skilled training that is responsive to current changes in the health care industry. Students use anatomy and physiology knowledge while studying medical terminology and mathematics.
Grade: 10-11
Credits: 1.5
Required: E
Prerequisite: 0

Patient Care Assisting 2
Course ID: 7929
Description: Communication, technical skills and employability are very important topics in this course. Students focus on basic nursing skills: Blood Pressure, Pulse, Respiratory and up to 53 Nursing skills.
Grade: 10-11
Credits: 1.5
Required: E
Prerequisite: Y

Patient Care 3
Course ID: 7930
Description: Students work in teams while focusing on systems, legal charting and ethics.
Grade: 11-12
Credits: 1.5
Required: E
Prerequisite: Y

Patient Care 4
Course ID: 7931
Description: Students learn health maintenance and information technology while acquiring on-the-job training. Upon successful completion of this program, students are eligible to take the State of Michigan Certification Examination – Omnibus Budget Reconciliation Act (OBRA).
Grade: 11-12
Credits: 1.5
Required: E
Prerequisite: Y
### Human Services

#### Cosmetology 1
**Course ID:** 7982  
**Description:** Provides training in the care and services that are directed toward beautifying the hair, skin and nails. Students learn and practice cosmetology laws and rules, as well as safety and sanitation.  
**Grade:** 10  
**Credits:** 1.5  
**Required:** E  
**Prerequisite:** 0

#### Cosmetology 2
**Course ID:** 7983  
**Description:** Students learn basic services of beauty culture such as career exploration, manicuring, arching, make-up and facials are all demonstrated and practiced.  
**Grade:** 10  
**Credits:** 1.5  
**Required:** E  
**Prerequisite:** Y

#### Cosmetology 3
**Course ID:** 7984  
**Description:** Students learn and practice client communications, scalp and hair treatments, and chemical hair restructuring.  
**Grade:** 11  
**Credits:** 1.5  
**Required:** E  
**Prerequisite:** Y

#### Cosmetology 4
**Course ID:** 7985  
**Description:** Students study applied chemistry while learning and practicing the art of hair coloring.  
**Grade:** 11  
**Credits:** 1.5  
**Required:** E  
**Prerequisite:** Y

#### Cosmetology 5
**Course ID:** 7986  
**Description:** Students learn and practice the art of artificial nails and participate in state board preparations.  
**Grade:** 12  
**Credits:** 1.5  
**Required:** E  
**Prerequisite:** Y

#### Cosmetology 6
**Course ID:** 7988  
**Description:** Students receive instruction in anatomy, physiology, bacteriology, electricity and salon management. Students are expected to take the State of Michigan licensing examination in Cosmetology (2.8+ GPA requirement).  
**Grade:** 12  
**Credits:** 1.5  
**Required:** E  
**Prerequisite:** Y

#### Public Safety & Protective Services 1
**Course ID:** 7805  
**Description:** This program instructs students in performing services designed to protect persons and property against crime. Students gain knowledge in public and private law enforcement, investigations, CPR, and first aid.  
**Grade:** 10-12  
**Credits:** 1.5  
**Required:** E  
**Prerequisite:** 0

#### Public Safety & Protective Services 2
**Course ID:** 7806  
**Description:** Students learn about ethics, patrol, special investigations, handcuffing skills, operation of fire fighting equipment, Laws and Constitutions and report writing techniques.  
**Grade:** 10-12  
**Credits:** 1.5  
**Required:** E  
**Prerequisite:** Y
Public Safety & Protective Services 3

Course ID: 7807
Description: Students practice police physical skills, motor vehicle traffic crash investigation, health, wellness and employability as it relates to law enforcement. Students also learn crowd and traffic control, firearms safety and participate in such focus tours as Wayne County Jail and the Detroit Metropolitan Police Academy.
Grade: 11-12
Credits: 1.5
Required: E
Prerequisite: Y

Public Safety & Protective Services 4

Course ID: 7808
Description: Students increase the knowledge and skills from the previous three courses by studying courts, special populations, special operations and emergency preparedness.
Grade: 11 - 12
Credits: 1.5
Required:
Prerequisite: Law Enforcement 3

NATURAL RESOURCES AND AGRI-SCIENCE

Horticulture/Floriculture 1

Course ID: 7675
Description: Students are introduced to the industry and science of plant cultivation including scientific and social implications, plant physiology, soils and nutrition; natural resources, environmental science and the “green” industry.
Grade: 10-12
Credits: 1.5
Required: E
Prerequisite: 0

Horticulture/Floriculture 2

Course ID: 7676
Description: Students further their knowledge and experience by studying greenhouses, environmental fundamentals and floral crops and urban farming.
Grade: 10-12
Credits: 1.5
Required: E
Prerequisite: Y

Horticulture/Floriculture 3

Course ID: 7677
Description: Students further their practical knowledge through the study of nurseries and landscape while focusing on business management, leadership and career success. Students are introduced to career clusters at land grant colleges.
Grade: 11-12
Credits: 1.5
Required: E
Prerequisite: Y

Horticulture/Floriculture 4

Course ID: 7678
Description: Students spend the bulk of this final course studying the impact of pests and pest management, turf management and hydroponics. Focus will be given to plant propagating, and greenhouse floriculture.
Grade: 11-12
Credits: 1.5
Required: E
Prerequisite: Y
## Dual Enrollment

### Automotive Technician

**Vocational Exploration**

**DPS Course ID:** 53477  
**Community College Orientation ID:** 100  
**Description:** Assists new students making successful adaptation to the college environment and enhancing basic study skills used for college environments; emphasizes on improving students' academic, social and interpersonal skills essential for academic success; increases student’s awareness and use of resources both within and outside of the college.

**Grade:** 10-12  
**School(s):** Breithaupt  
**DPS Credits:** .5  
**WCCCD Credits:** 1  
**Required:** E  
**Prerequisite:** N

**Automotive Technician 1**

**DPS Course ID:** 7590  
**Steering and Suspension 2**

**AUT ID:** 204  
**Description:** This course is designed to provide the student with the knowledge and skills to inspect, diagnose and perform repair procedures on automotive steering and suspension systems, as well as introduction to basic inspection and diagnosing of steering and suspension problems will be applied in this course. Identification of special tools used on these systems will also be explained. In addition, ASE principles for certification will be introduced to the student.

**Grade:** 10-12  
**School:** Breithaupt  
**DPS Credits:** 1.5  
**WCCCD Credits:** 3  
**Required:** E  
**Prerequisite:** N

**Automotive Technician 2**

**DPS Course ID:** 7591  
**Electrical/Electronic System 1**

**AUT ID:** 114  
**Description:** This course provides students with the necessary skills and understanding to identify, describe, and locate basic parts of major electrical/electronic automotive systems and includes electrical theory, operating principles, construction, and maintenance of various components. It also provides an introduction to on-vehicle and inspection and testing of on-board computers. ASE certification requirements will be introduced in this course.

**Grade:** 10-12  
**School:** Breithaupt  
**DPS Credits:** .5  
**WCCCD Credits:** 3  
**Required:** E  
**Prerequisite:** N

**Automotive Technician 4**

**DPS Course ID:** 7593  
**Electrical/Electronic Systems 2**

**AUT ID:** 115  
**Description:** Provides student with necessary skills and understanding to system construction and operations and includes electrical theory, operating principles, construction, maintenance and repair of various components. On-vehicle testing, inspection and diagnoses will be performed by students. In addition, ASE certification disciplines will be stressed and applied in this course.

**Grade:** 10-12  
**School:** Breithaupt  
**DPS Credits:** 1.5  
**WCCCD Credits:** 3  
**Required:** E  
**Prerequisite:** N
### Collision Repair Technician

**Vocational Exploration**

**DPS Course ID:** 53477  
**Community College Orientation**

<table>
<thead>
<tr>
<th>CCO ID: 100</th>
</tr>
</thead>
</table>

**Description:** Assists new students making a successful adaptation to the college environment and enhancing basic study skills used for college environments; emphasizes on improving students’ academic, social and interpersonal skills through introduction of life and study skills essential for academic success; increases student’s awareness and use of resources both within and outside of the college.

**Grade:** 10-12

| School(s): | Breithaupt |
| WCCCD Credits: | .5 |
| Required: | E |

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### Collision Repair 1

**DPS Course ID:** 7765  
**Auto Body Work Environment and Safety**

**ATB ID:** 103

**Description:** Safety in any industry is paramount and this class covers environmental, safety, OSHA and other critical laws and regulations in the auto body paint and refinishing industry. Hazardous warning information for products used in auto refinishing is discussed as well as the proper use of personal protective equipment, the correct use of tools and equipment in the shop and customer safety obligations.

**Grade:** 10-12

| School(s): | Breithaupt |
| DPS Credits: | 1.5 |
| WCCCD Credits: | 3 |
| Required: | E |

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### Collision Repair 2

**DPS Course ID:** 7766  
**Introduction to Auto Body Technology**

**ABT ID:** 101

**Description:** This introductory course covers skills needed to become a good auto body shop employee, the various career opportunities in the auto body industry, and the repair and finishing procedures used in a typical paint and body shop. The proper selection of hand and power tools for auto body work will be covered. Students will be exposed to panel and trim replacement, MIG welding and automotive finishes. The history of auto body design and the material differences used in auto bodywork over time will also be covered.

**Grade:** 10-12

| School(s): | Breithaupt |
| DPS Credits: | 1.5 |
| WCCCD Credits: | 4 |
| Required: | E |

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### Career Preparation

**DPS Course ID:** 86537  
**Career and Professional Development**

**CPD ID:** 100

**Description:** This course assists students in making career choices. Development of self-confidence, motivation, human relation skills and stress reduction in the classroom and the work place are emphasized.

**Grade:** 10-12

| School(s): | Breithaupt |
| DPS Credits: | 1 |
| WCCCD Credits: | 1 |

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ELECTRICAL/ELECTRONICS EQUIP INSTALLATION REPAIR

Heating and Ventilation and Air Condition

Vocational Exploration

DPS Course ID: 53477
Community College Orientation

CCO ID: 100
Description: Assists new students making a successful adaptation to the college environment and enhancing basic study skills used for college environments; emphasizes on improving students’ academic, social and interpersonal skills through introduction of life and study skills essential for academic success; increases student’s awareness and use of resources both within and outside of the college.

Grade: 10-12
School(s): Breithaupt
DPS Credits: .5
WCCCD Credits: 1
Required: E
Prerequisite: N

Air Conditioning and Heating Technology 1

DPS Course ID: 7630
Introduction to HVAC and Hermetic Systems

HVA ID: 100
Description: This course covers theories, application and principles of refrigeration and hermetic (sealed) systems with an emphasis on refrigeration cycles, components, and accessories. Topics include thermodynamics, common refrigerants and their chemical make-up, as well as chemical properties of refrigerants and the resulting conditions. This course covers application, installation and servicing of hermetic systems including domestic refrigerators, freezers, room coolers, water coolers and humidifiers. The use of heat pump (reverse refrigeration effect), direct centrifugal, rotary compression and absorption methods along with their mechanical construction of same will also be discussed.

Grade: 10-12
School(s): Breithaupt
DPS Credits: 1.5
WCCCD Credits: 4
Required: E
Prerequisite: N

Air Conditioning and Heating Technology 2

DPS Course ID: 7631
Introduction to HVAC and Hermetic Systems

HVA ID: 1106
Description: This course covers the fundamentals of heat energy, the laws of thermal dynamics, and all conditions necessary for complete combustion using oil and natural gas. Topics include the safe design, construction, installation, venting, alteration, service and testing of heating equipment needed to maintain state comfort standards, as well as how heating controls operate and how they are wired. This course will also review reading and understanding of ladder, schematic diagrams, pictorial diagrams and control operations.

Grade: 10-12
School(s): Breithaupt
DPS Credits: 1.5
WCCCD Credits: 3
Required: E
Prerequisite: N

Career Preparation

DPS Course ID: 86537
Career and Professional Development

CPS ID: 100
Description: This course assists students in making career choices. Development of self-confidence, motivation, human relation skills and stress reduction in the classroom and the work place are emphasized. Study skills, time management and conflict resolution are emphasized.

Grade: 10-12
School(s): Breithaupt
DPS Credits: 1
WCCCD Credits: 1
Required: E
Prerequisite: N
## WELDING, BRAZING/ SOLDERING

### Manufacturing Technology (MAN)

**Vocational Exploration**
- **DPS Course ID:** 53477
- **Community College Orientation**
- **CPO ID:** 100
- **Description:** Assists new students making a successful adaptation to the college environment and enhancing basic study skills used for college environments; emphasizes on improving students’ academic, social and interpersonal skills through introduction of life and study skills essential for academic success; increases student’s awareness and use of resources both within and
- **Grade:** 10-12
- **School(s):** Breithaupt
- **DPS Credits:** .5
- **WCCCD Credits:** 1
- **Required:** E
- **Prerequisite:** N

### Welding and Cutting 1
- **DPS Course ID:** 7620
- **Shop Equipment and Tools**
- **HVA ID:** 100
- **Description:** An introduction to precision measuring tools used in tooling and manufacturing processes. In the shop, emphasis is placed on exercises and projects that embody the process and operation of fusing hand tools, layout tools, and machine tools, such as hack saw, belt and disc sanders, drill press, engine lathe, vertical mill machines and surface grinders. Classroom emphasis is placed on related information that is essential to the setup and operation of machine tools, and to perform basic processes and operations in the shop.
- **Grade:** 10-12
- **School(s):** Breithaupt
- **DPS Credits:** 1.5
- **WCCCD Credits:** 3
- **Required:** E
- **Prerequisite:** N

### Welding and Cutting 2
- **DPS Course ID:** 7621
- **Manufacturing Processes 1**
- **MAN ID:** 110
- **Description:** A theoretical and practical introduction to conventional precision machine tools, including drill presses, engine and turret lathes, shape milling and grinding machines. Emphasis will be given on turning, threading, drilling, honing, shaping, and broaching.
- **Grade:** 10-12
- **School(s):** Breithaupt
- **DPS Credits:** 1.5
- **WCCCD Credits:** 3
- **Required:** E
- **Prerequisite:** N

### Survey of Material Science
- **MAN ID:** 120
- **Description:** This is a study of the atomic structure, bonding, crystallization, and physical and mechanical properties of metals. The classification and selection of materials as well as heat-treating and hardness testing will be examined.
- **Grade:** 10-12
- **School(s):** Breithaupt
- **DPS Credits:** 1
- **WCCCD Credits:** 3
- **Required:** E
- **Prerequisite:** N
Career Preparation

DPS Course ID: 86537
Career and Professional Development

CCD ID: 100
Description: This course assists students in making career choices. Development of self-confidence, motivation, human relation skills and stress reduction in the classroom and the work place are emphasized. Study skills, time management and conflict resolution are emphasized.

Grade: 10-12
School(s): Breithaupt
DPS Credits: 1.5
WCCCD Credits: 4
Required: E
Prerequisite: N

Welding Technology

Vocational Exploration

DPS Course ID: 53477
Community College Orientation

CCO ID: 100
Description: Assists new students making a successful adaptation to the college environment and enhancing basic study skills used for college environments; emphasizes on improving students’ academic, social and interpersonal skills through introduction of life and study skills essential for academic success; increases student’s awareness and use of resources both within and outside of the college.

Grade: 10-12
School(s): Breithaupt
DPS Credits: .5
WCCCD Credits: 1
Required: E
Prerequisite: N

Welding and Cutting 1

DPS Course ID: 7620
Arc/Oxygen-Acetylene Welding

WLT ID: 101
Description: This course covers theory and practice, and proper procedures for various welding positions. Topics include AC and DC welding, electrode identification, classification and proper applications to typical operations. This course is also designed for students who need knowledge of oxy-acetylene welding and a degree of skill required by the industry. Also, an introduction into CNC plasma cutting (programming), silver soldering, plastic and spot welding is presented.

Grade: 10-12
School(s): Breithaupt
DPS Credits: 1.5
WCCCD Credits: 4
Required: E
Prerequisite: N

Welding and Cutting 2

DPS Course ID: 7621
Arc Welding

WLT ID: 102
Description: Instruction is provided in arc welding using both AC and DC arc welding equipment. Emphasis is on out-of-position welding joints in mild steel, testing procedures, and beveling and fabricating various welded joints. Related theory, codes and standards are included.

Grade: 10-12
School(s): Breithaupt
DPS Credits: 1.5
WCCCD Credits: 3
Required: E
Prerequisite: N
Career Preparation

DPS Course ID: 86537

Career and Professional Development

CPD ID: 100

Description: This course assists students in making career choices. Development of self-confidence, motivation, human relation skills and stress reduction in the classroom and the work place are emphasized. Study skills, time management and conflict resolution are emphasized.

Grade: 10-12

School(s): Breithaupt

DPS Credits: 1

WCCCD Credits: 1

Required: E

Prerequisite: N
## Business Administration
### Management & Operations

**Vocational Exploration**

<table>
<thead>
<tr>
<th>Course ID: 53477</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Community College Orientation ID:</strong> 100</td>
</tr>
<tr>
<td><strong>Description:</strong> Provides student with necessary skills and understanding to system construction and operations and includes electrical theory, operating principles, construction, maintenance and repair of various components. On-vehicle testing, inspection and diagnoses will be performed by students. In addition, ASE certification disciplines will be stressed and applied in this course.</td>
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<tr>
<td><strong>Grade:</strong> 10-12</td>
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<tr>
<td><strong>School(s):</strong> Golightly and Randolph</td>
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<tr>
<td><strong>DPS Credits:</strong> 0.5</td>
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<tr>
<td><strong>WCCCD Credits:</strong> 1</td>
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<tr>
<td><strong>Required:</strong> E</td>
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<tr>
<td><strong>Prerequisite:</strong> N</td>
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</tbody>
</table>

### Information Management Technology 1

<table>
<thead>
<tr>
<th>Course ID: 7580</th>
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<tbody>
<tr>
<td><strong>BUS ID:</strong> 150</td>
</tr>
<tr>
<td><strong>Description:</strong> An examination of the legal, economic and organizational environments in which modern business operates, including the global dimensions of business. A survey approach to the functional areas of business-accounting, information systems, research, finance, management, supervision, human resources and marketing and how they relate to the overall organization.</td>
</tr>
<tr>
<td><strong>Grade:</strong> 10-12</td>
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<tr>
<td><strong>School(s):</strong> Golightly and Randolph</td>
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<td><strong>Required:</strong> E</td>
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<td><strong>Prerequisite:</strong> N</td>
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</tbody>
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## Principal of Accounting

**Academy of Finance**

<table>
<thead>
<tr>
<th>Course ID: 7785</th>
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<tbody>
<tr>
<td><strong>ACC ID:</strong> 110</td>
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<tr>
<td><strong>Description:</strong> This course covers the fundamentals of financial accounting to include current accounting theories and practices, presented from a financial and managerial viewpoint. Other topics include journal and ledger techniques, working papers, financial statements, inventory evaluation, depreciation methods, financial resources and cost/revenue matching.</td>
</tr>
<tr>
<td><strong>Grade:</strong> 10-12</td>
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<tr>
<td><strong>School(s):</strong> Golightly and Randolph</td>
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<td><strong>DPS Credits:</strong> 1.5</td>
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<td><strong>WCCCD Credits:</strong> 4</td>
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<td><strong>Required:</strong> E</td>
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<tr>
<td><strong>Prerequisite:</strong> N</td>
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</tbody>
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## Career and Professional Development

**Career Preparation**

<table>
<thead>
<tr>
<th>Course ID: 86537</th>
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<tr>
<td><strong>CPD ID:</strong> 100</td>
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<tr>
<td><strong>Description:</strong> This course assists students in making career choices. Development of self-confidence, motivation, human relation skills and stress reduction in the classroom and the workplace are emphasized. Study skills, time management and conflict resolution are emphasized.</td>
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<tr>
<td><strong>Grade:</strong> 10-12</td>
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<td><strong>DPS Credits:</strong> 1</td>
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<td><strong>WCCCD Credits:</strong> 1</td>
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<td><strong>Required:</strong> E</td>
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<tr>
<td><strong>Prerequisite:</strong> N</td>
</tr>
</tbody>
</table>
## Industrial Computer Graphics Technology

**Vocational Exploration**  
**DPS Course ID:** 53477  
**Community College Orientation**  
**CCO ID:** 100  
**Description:** Assists new students making a successful adaptation to the college environment and enhancing basic study skills used for college environments; emphasizes on improving students’ academic, social and interpersonal skills through introduction of life and study skills essential for academic success; increases student’s awareness and use of resources both within and outside of the college.  
**Grade:** 10-12  
**School(s):** Golightly and Randolph  
**DPS Credits:** 0.5  
**WCCCD Credits:** 1  
**Required:** E  
**Prerequisite:** N

### Computer-Aided Drafting (CAD) 1

**DPS Course ID:** 7665  
**Fundamentals of Computer Aided Drafting**  
**CAD ID:** 101  
**Description:** This is an introductory computer aided drawing and design course. As an elementary course, it will provide the student with an overview of drawings produced with the use of the computer. Students will explore software capability by generating various configurations and develop operational skills to include among others; input of graphic commands, editing, filing, imaging, rotating and copying, plotting and printing for drawings. Auto DAD software will be used in this class.  
**Grade:** 10-12  
**School(s):** Golightly and Randolph  
**DPS Credits:** 1.5  
**WCCCD Credits:** 4  
**Required:** E  
**Prerequisite:** N

### Computer-Aided Drafting (CAD) 2

**DPS Course ID:** 7666  
**Blue Print Reading**  
**DRT ID:** 101  
**Description:** Fundamentals of blueprint reading as applied to specific problems. Designed for pre-engineers, draftsmen, machine operators, machine repairmen, electronic technicians, inspectors and supervisors.  
**Grade:** 10-12  
**School(s):** Golightly and Randolph  
**DPS Credits:** 1.5  
**WCCCD Credits:** 3  
**Required:** E  
**Prerequisite:** N

### Career Preparation

**DPS Course ID:** 86537  
**Career and Professional Development**  
**CPD ID:** 100  
**Description:** This course assists students in making career choices. Development of self-confidence, motivation, human relation skills and stress reduction in the classroom and the work place are emphasized. Study skills, time management and conflict resolution are emphasized.  
**Grade:** 10-12  
**School(s):** Golightly and Randolph  
**DPS Credits:** 1  
**WCCCD Credits:** 1  
**Required:** E  
**Prerequisite:** N
Computer Information System

Vocational Exploration

**DPS Course ID:** 53477

**Community College Orientation**

**CCO ID:** 100

**Description:** Assists new students making a successful adaptation to the college environment and enhancing basic study skills used for college environments; emphasizes on improving students’ academic, social and interpersonal skills through introduction of life and study skills essential for academic success; increases student’s awareness and use of resources both within and outside of the college.

**Grade:** 10-12

**School(s):** Golightly and Randolph

**DPS Credits:** 1

**WCCCD Credits:** 1

**Required:** E

**Prerequisite:** N

**DPS Course ID:** 7780

**Introduction to Computer Information System**

**CIS ID:** 110

**Description:** Designed as a first course for Computer Information Systems majors which will introduce the vocabulary and concepts of computer hardware and software. The computer information industry, career paths, systems, concepts, societal impacts and ethical issues will be discussed.

**Grade:** 10-12

**School(s):** Golightly and Randolph

**DPS Credits:** 1.5

**WCCCD Credits:** 4

**Required:** E

**Prerequisite:** N

**DPS Course ID:** 7581

**Career Preparation**

**DPS Course ID:** 86537

**Career and Professional Development**
Nursing Assistant Training

Vocational Exploration

DPS Course ID: 53477

Community College Orientation

CCO ID: 100

Description: Assists new students making a successful adaptation to the college environment and enhancing basic study skills used for college environments; emphasizes on improving students’ academic, social and interpersonal skills through introduction of life and study skills essential for academic success; increases student’s awareness and use of resources both within and outside of the college.

Grade: 10-12

School(s): Crockett

DPS Credits: .5

WCCCD Credits: 1

Required: E

Prerequisite: N

Patient Care 4

DPS Course ID: 7931

Nursing Assistant Training

NHS ID: 100

Description: This course provides the theory and skills necessary to assist professional health care providers in providing direct patient care. Candidates will receive training to provide care in the classroom, lab and long-term facility settings. The curriculum is modeled according to the State of Michigan guidelines. Nurse aide students taking this course will be expected to adhere to guidelines and standards that will help them to be successful in the workplace setting.

Grade: 10-12

School(s): Crockett

DPS Credits: 1.5

WCCCD Credits: 10

Required: E

Prerequisite: N

Career Preparation

DPS Course ID: 86537

Career and Professional Development

CPD ID: 100

Description: This course assists students in making career choices. Development of self-confidence, motivation, human relation skills and stress reduction in the classroom and the work place are emphasized. Study skills, time management and conflict resolution are emphasized.

Grade: 10-12

School(s): Crockett

DPS Credits: 1

WCCCD Credits: 1

Required: E

Prerequisite: N

Patient Care Technology

Community College Orientation

CCO ID: 100

Description: Assists new students making a successful adaptation to the college environment and enhancing basic study skills used for college environments; emphasizes on improving students’ academic, social and interpersonal skills through introduction of life and study skills essential for academic success; increases student’s awareness and use of resources both within and outside of the college.

Grade: 10-12

School(s): Crockett

DPS Credits:

WCCCD Credits: 1

Required: E

Prerequisite: N
Patient Care Assisting
DPS Course ID:  7928
Introduction to Patient Care
PCT ID:  200
Description:  This course provides the student with the principles and techniques to provide patient care within the hospital, urgent care, and/or home health care environment. Students will learn to work under the supervision of nursing or medical staff in the role of the Patient Care Technician. This involves multi-skilled direct and in-direct patient care responsibilities including but not limited to diagnostic procedures such as 12-lead electrocardiography, phlebotomy and specimen collections. Emphasis will be placed on safety, documentation, standard precautions, legal and ethical considerations and OSHA standards.
Grade:  10-12
School(s):  Crockett
DPS Credits:
WCCCD Credits:  4
Required:  E
Prerequisite:  N

Career Preparation
DPS Course ID:  86537
Career and Professional Development
CPD ID:  100
Description:  This course assists students in making career choices. Development of self-confidence, motivation, human relation skills and stress reduction in the classroom and the work place are emphasized. Study skills, time management and conflict resolution are emphasized.
Grade:  10-12
School(s):  Crockett
DPS Credits:
WCCCD Credits:  1
Required:  E
Prerequisite:  N

Medical Office Specialist (MOS)
Vocational Exploration
DPS Course ID:  53477
Community College Orientation
CCO ID:  100
Description:  Assists new students making a successful adaptation to the college environment and enhancing basic study skills used for college environments; emphasizes on improving students’ academic, social and interpersonal skills through introduction of life and study skills essential for academic success; increases student’s awareness and use of resources both within and outside of the college.
Grade:  10-12
School(s):  Crockett
DPS Credits:  .5
WCCCD Credits:  1
Required:  E
Prerequisite:  N
Patient Care Assisting 1

DPS Course ID: 7928

Medical Terminology

ALH ID: 100

Description: Introduction to the terminology of health professions. Usage, definition, pronunciation and spelling of terms common to the health professions. Computerized study guides and audio cassette tapes are used to enhance student learning.

This course provides an in-depth look and examination of the role and functions of a Medical Office Specialist in today’s Health Care settings. Topics includes customer service skills, medical report preparation, data management, appointment system management, and other similar medical office systems.

Grade: 10-12

School(s): Crockett

DPS Credits: 1.5

WCCCD Credits: 3

Required: E

Prerequisite: N

Information Management Technology 1

DPS Course ID: 7580

Computer Application in Business

BUS ID: 225

Description: A study of the computer environment and practice of selected applications on the personal computer. Specific topics include Microsoft applications the use of word processing with hands-on applications using Microsoft Word, spreadsheets with hands-on applications using Microsoft Access. Other topics of current interest in information processing and office automation will be discuss (Course is 75-80% hands-on).

Grade: 10-12

School(s): Crockett

DPS Credits: 1.5

WCCCD Credits: 3

Required: E

Prerequisite: N

Medical Assistant 1

DPS Course ID: 7928

Patient Care Management

MS ID: 140

Description: This course outlines the role of the Medical Office Specialist as it relates to Patient Case Management. Concepts of interacting within a Healthcare team or system, multiculturalism, and maintenance of patient care records will be thoroughly discussed in this class.

Grade: 10-12

School(s): Crockett

DPS Credits: 1.5

WCCCD Credits: 1

Required: E

Prerequisite: N

Career Preparation

DPS Course ID: 86537

Career and Professional Development

CPD ID: 100

Description: This course assists students in making career choices. Development of self-confidence, motivation, human relation skills and stress reduction in the classroom and the work place are emphasized. Study skills, time management and conflict resolution are emphasized.

Grade: 10-12

School(s): Crockett

DPS Credits: 1

WCCCD Credits: 1

Required: E

Prerequisite: N
**Vocational Exploration**

**DPS Course ID:** 53477  
**Community College Orientation**

**CCO ID:** 100  
**Description:** Assists new students making a successful adaptation to the college environment and enhancing basic study skills used for college environments; emphasizes on improving students’ academic, social and interpersonal skills through introduction of life and study skills essential for academic success; increases student’s awareness and use of resources both within and outside of the college.

**Grade:** 10-12  
**School(s):** Crockett  
**DPS Credits:** .5  
**WCCCD Credits:** 1  
**Required:** E  
**Prerequisite:** N

**Patient Care Assisting 1**

**DPS Course ID:** 7928  
**Medical Terminology**

**ALH ID:** 110  
**Description:** ALH 110 Medical Terminology students will gain employment in a health care setting as a Home Health Care Aide; learn the basic principles of safety as it relates to patient care in the home; to teach students to comprehend, apply and integrate principles of home health care; learn to care for clients in a holistic, respectful and professional manner process for any ethical concerns; identify the role of the Home Health Care Aide in the maintenance of a clean, safe and healthy environment.

**Grade:** 10-12  
**School(s):** Crockett  
**DPS Credits:** 1.5  
**WCCCD Credits:** 3  
**Required:** E  
**Prerequisite:** N

**Patient Care Assisting 2**

**DPS Course ID:** 7279  
**Home Health Aide**

**HHA ID:** 200  
**Description:** This course covers basic theory and skills needed for a Home Health Aide to assist patients in the home care and assisted living settings. Topics include client observation, ambulation, transfer, transport, personal grooming and assistance. Safety of patient and care giver are stressed throughout the course. Skills and techniques learned are demonstrated in the lab hours imbedded in the course.

**Grade:** 10-12  
**School(s):** Crockett  
**DPS Credits:** 1.5  
**WCCCD Credits:** 4  
**Required:** E  
**Prerequisite:** N

**Career Preparation**

**DPS Course ID:** 86537  
**Career and Professional Development**

**CPD ID:** 100  
**Description:** This course assists students in making career choices. Development of self-confidence, motivation, human relation skills and stress reduction in the classroom and the work place are emphasized. Study skills, time management and conflict resolution are emphasized.

**Grade:** 10-12  
**School(s):** Crockett  
**DPS Credits:** 1  
**WCCCD Credits:** 1  
**Required:** E  
**Prerequisite:** N
COOKING AND RELATED CULINARY ARTS, GENERAL

Vocational Exploration
DPS Course ID: 53477
Community College Orientation

CCO ID: 100
Description: Assists new students making a successful adaptation to the college environment and enhancing basic study skills used for college environments; emphasizes on improving students’ academic, social and interpersonal skills through introduction of life and study skills essential for academic success; increases student’s awareness and use of resources both within and outside of the college.

Grade: 10-12
School(s): Breithaupt and Golightly
DPS Credits: .5
WCCCD Credits: 1
Required: E
Prerequisite: N

Commercial Foods Vocational Exploration
DPS Course ID: 86007
Principles of Food Service Systems and Practicum

FSM ID: 105
Description: This course begins with the history of foodservice. An overview of the different segments of the market is presented including current trends in to the foodservice industry. The central theme is a systems approach to understanding foodservice with emphasis on the components of foodservice systems, styles of foodservice, human and physical resources, and the menu as a management tool. Equipment layout and design and computerized menu development are also introduced. Field trips and seminars emphasize observation of the various types of foodservice systems, equipment, layout and design. Student must attend five seminars in one of the option areas. This is a Manage First certificate course that meets the criteria of the Educational Foundation of the National Restaurant Association.

Grade: 10-12
School(s): Breithaupt and Golightly
DPS Credits: 1
WCCCD Credits: 3
Required: E
Prerequisite: N
Commercial Foods

DPS Course ID: 86107
Nutrition
FSM ID: 118
Description: This course presents an overview of the foodservice menus and nutrition and begins the core knowledge and skills required for further study in this area. The course is taught in two parts. Part One discusses the understanding of nutrition and Part Two discussed how to establish a Nutrition Program. Discussions continue with an overview of the various segments of nutrition in the foodservice industry with topics that include the functional components of foodservice systems and nutrition.
Grade: 10-12
School(s): Breithaupt and Golightly
DPS Credits: 1
WCCCD Credits: 3
Required: E
Prerequisite: N

Cooking and Related Culinary Arts 1

DPS Course ID: 7576
Food Safety and Sanitation (ServSafe)
FSM ID: 110
Description: State and national agencies are fast requiring certification training. Employees who work in the foodservice industry must be knowledgeable about safe food handling from purchasing to the consumer. This course provides the knowledge and skills necessary to effectively implement food safety and sanitation practices. Current concepts in food protection are presented. The course provides updated information and methodologies necessary for the assessment planning, implementation, and evaluation of sanitation in today’s foodservice operations. This course also covers application of factors basic to FDA standards, quality control, train-the-trainer techniques, Michigan Law and an in-depth coverage of the principles of Hazard Analysis Critical Control Point System.
Grade: 10-12
School(s): Breithaupt and Golightly
DPS Credits: 1.5
WCCCD Credits: 1
Required: E
Prerequisite: N

Career Preparation

DPS Course ID: 86537
Career and Professional Development
CPD ID: 100
Description: This course assists students in making career choices. Development of self-confidence, motivation, human relation skills and stress reduction in the classroom and the work place are emphasized. Study skills, time management and conflict resolution are emphasized.
Grade: 10-12
School(s): Breithaupt and Golightly
DPS Credits: 1
WCCCD Credits: 1
Required: E
Prerequisite: N
FINANCE AND
FINANCIAL
MANAGEMENT

**DPS Course ID:**
Community College Orientation

**CCO ID:** 100

**Description:** Assists new students making a successful adaptation to the college environment and enhancing basic study skills used for college environments; emphasizes on improving students’ academic, social and interpersonal skills through introduction of life and study skills essential for academic success; increases student’s awareness and use of resources both within and outside of the college.

**Grade:** 10-12

**School(s):** Golightly

**DPS Credits:**

**WCCCD Credits:** 1

**Required:** E

**Prerequisite:** N

**DPS Course ID:**
Principles of Accounting 1

**ACC ID:** 110

**Description:** This course covers the fundamentals of financial accounting to include current accounting theories and practices, presented from a financial and managerial viewpoint. Other topics include journal and ledger techniques, working papers, financial statement, inventory evaluation, depreciation methods, financial resources and cost/revenue matching will also be reviewed.

**Grade:** 10-12

**School(s):** Golightly

**DPS Credits:**

**WCCCD Credits:** 4

**Required:** E

**Prerequisite:** N
# English Language Arts

## English 1

**Course ID:** 1000

**Description:** English 1 students are exposed to Multicultural Literature with an emphasis on improving their reading, writing, speaking, viewing and listening skills. The curriculum is aligned to the standards within the Michigan Curriculum Framework/Common Core State Standards.

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<th>Grade</th>
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<td>Prerequisite</td>
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## Freshman Seminar

**Course ID:** 1001

**Description:** This course is an English, Language Arts elective designed to support literacy skill development with a focus on reading, writing, speaking, listening, study skills, content area reading, test-taking skill development, and career and college awareness and readiness. For maximum effectiveness, the course should be scheduled back to back with English 1 as part of an extended literacy block of instruction. It is expected that the majority of new ninth grade students will be enrolled in Freshman Seminar except in application schools where scheduling may not permit.

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## English 1 Honors

**Course ID:** 1000.H

**Description:** In addition to the English 1 course, students will be required to explore a more intense and rigorous study of reading, writing, speaking, viewing and listening.

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<td>Prerequisite</td>
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</table>

## English 2

**Course ID:** 1020

**Description:** English 2 students are exposed to Multicultural/African-American literature with an emphasis on improving their reading, writing, speaking, viewing and listening skills. The curriculum is aligned to the standards within the Michigan Curriculum Framework/Common Core State Standards.

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<tr>
<th>Grade</th>
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<td>Credits</td>
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<td>Prerequisite</td>
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</table>

## English 2 Honors

**Course ID:** 1020.H

**Description:** In addition to the English 2 course, students will be required to explore a more intense and rigorous study of reading, writing, speaking, viewing and listening.

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<th>Grade</th>
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## English 3

**Course ID:** 1040

**Description:** English 3 students are immersed in American Literature with an emphasis on improving their reading, writing, speaking, viewing and listening skills. The curriculum is aligned to the standards within the Michigan Curriculum Framework/Common Core State Standards.

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<th>Grade</th>
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<td>Credits</td>
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## English 3 Honors

**Course ID:** 1040.H

**Description:** In addition to the English 3 course, students will be required to explore a more intense study of reading, writing, speaking, viewing and listening.

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<thead>
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<th>Grade</th>
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<tbody>
<tr>
<td>Credits</td>
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<td>Required</td>
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<td>Prerequisite</td>
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Palazzo Strozzi Renaissance

**Course ID:** 1041.H

**Description:** This course offers a life changing experience for talented and hardworking 11th grade students. Participants will be immersed in the study of the Renaissance Florentine experience, using a rigorous curriculum designed by the Palazzo Strozzi Foundation. Students will be required to write a 1000 word essay on the Renaissance, as a culminating project. The top two essays (from each school) will be selected. Those students will be awarded the opportunity to travel to Italy during the summer of their junior year to study the Renaissance and experience various cities first hand.

This award will represent an anchor to the central values of our time – openness, mutual understanding and progress – that have been part of our history, both in business and the arts, in the western world. Those central roots of our core values, of our humanistic-centered society, are to be found in the Renaissance Florentine experience, the link between the greatness of Rome and Athens, and the heritage of what we are today as a civil society.

| Grades: | 11 |
| Credit: | .5 |
| Required: | E |
| Prerequisite: | Y |

English 4

**Course ID:** 1060

**Description:** English 4 students are immersed in British Literature with an emphasis on improving their reading, writing, speaking, viewing and listening skills. The curriculum is aligned to the standards within the Michigan Curriculum Framework/Common Core State Standards.

| Grade: | 12 |
| Credits: | 1 |
| Required: | R |
| Prerequisite: | Y |

English 4 Honors

**Course ID:** 1060.H

**Description:** In addition to the English 4 course, students will be required to explore a more intense study of reading, writing, speaking, viewing and listening.

| Grade: | 12 |
| Credits: | 1 |
| Required: | M |
| Prerequisite: | Y |

Advanced Placement Language and Composition

**Course ID:** 1060.AP

**Description:** In addition to the English 4 requirements, students will master competencies in literature, composition and language through accelerated learning. Students will be expected to read widely and independently both orally and in written composition. Students are expected to participate in the AP Exam.

| Grade: | 12 |
| Credits: | 1 |
| Required: | M |
| Prerequisite: | Y |

Creative Writing 1

**Course ID:** 1310

**Description:** This course explores various aspects of writing, including poetry and prose. Emphasis is placed on the writing process, portfolio building and the effective traits of writing.

| Grade: | 9-12 |
| Credits: | .5 |
| Required: | E |
| Prerequisite: | 0 |
### Creative Writing 2
**Course ID:** 1320  
**Description:** This course continues to explore various aspects of writing, including poetry and prose. Emphasis is placed on the writing process, portfolio building and extensive editing.  
**Grade:** 9-12  
**Credits:** .5  
**Required:** E  
**Prerequisite:** Y

### Debate 1
**Course ID:** 1440  
**Description:** This course prepares students to think quickly and logically in competitive settings. Students are taught to use debate protocols.  
**Grade:** 9-12  
**Credits:** 1  
**Required:** E  
**Prerequisite:** 0

### Debate 2
**Course ID:** 1441  
**Description:** This course continues to prepare students to think quickly and logically in competitive settings. Students become more confident with using debate protocols during an argument.  
**Grade:** 9-12  
**Credits:** 1  
**Required:** E  
**Prerequisite:** 0

### Debate 3
**Course ID:** 1451  
**Description:** Students are instructed in writing precise and clear debate briefs. This course strengthens their listening and thinking skills, while employed in the preparation of affirmative and negative briefs.  
**Grade:** 10-12  
**Credits:** 1  
**Required:** E  
**Prerequisite:** 0

### Debate 4
**Course ID:** 1452  
**Description:** Students continue to write precise and clear debate briefs. This course continues to strengthen their listening and thinking skills, while employed in the preparation of affirmative and negative briefs.  
**Grade:** 10-12  
**Credits:** 1  
**Required:** E  
**Prerequisite:** 0

### Debate Forensics
**Course ID:** 1486  
**Description:** In addition to Debate 4 curriculum, students will participate in forensic debates.  
**Grade:** 10-12  
**Credits:** .5  
**Required:** E  
**Prerequisite:** 0

### Drama 1
**Course ID:** 1200  
**Description:** This course is designed for students who have an interest in theater arts. Students learn the fundamentals of acting, performing before an audience and written requirements of play reviews and script writing.  
**Grade:** 9-12  
**Credits:** 1  
**Required:** E  
**Prerequisite:** 0

### Drama 2
**Course ID:** 1210  
**Description:** Students start with pantomime, monologues and progress to more complex scenes. Improvisation is an integral part of the course.  
**Grade:** 9-12  
**Credits:** 1  
**Required:** E  
**Prerequisite:** Y
Drama 3  
Course ID: 1220  
Description: Students will participate in major projects in directing, acting, design, play analysis, scene development and audition procedures. Students will participate in the production of a full-length play.  
Grade: 9-12  
Credits: 1  
Required: E  
Prerequisite: Y

Drama 4  
Course ID: 1221  
Description: Students will continue to produce major projects in directing, acting, design, play analysis, scene development and audition procedures. Students will participate in the production of a full-length play.  
Grade: 9-12  
Credits: 1  
Required: E  
Prerequisite: 0

Film Study 1  
Course ID: 1182  
Description: This course introduces students to the language and elements of the film medium through the study of historical and contemporary films.  
Grade: 9-12  
Credits: .5  
Required: E  
Prerequisite: 0

Film Study 2  
Course ID: 1183  
Description: Students continue to develop the language and elements of the film medium through the study of historical and contemporary films.  
Grade: 9-12  
Credits: .5  
Required: E  
Prerequisite: 0

Great Plays  
Course ID: 1390  
Description: Students read and analyze selected plays from the Greeks through Shakespeare and multicultural works.  
Grade: 9-12  
Credits: .5  
Required: E  
Prerequisite: 0

Humanities  
Course ID: 1110  
Description: This course examines the connections among the visual arts, music, dance, theater, literature, architecture and film.  
Grade: 10-12  
Credits: 1  
Required: E  
Prerequisite: 0

Journalism 1  
Course ID: 1192  
Description: This course covers the fundamentals of news writing through reading-to-write skills and strategies that identify and reveal news, accommodate audience, determine story value and uncovers sources of information and general news.  
Grade: 9-12  
Credits: 1  
Required: E  
Prerequisite: 0

Journalism 2  
Course ID: 1193  
Description: This course focuses on the elements of graphics, design and photojournalism in advertising, marketing, headlines and captions.  
Grade: 9-12  
Credits: 1  
Required: E  
Prerequisite: Y
Journalism 3
Course ID: 1197
Description: This course focuses on advancing news reporting through feature writing and breaking news stories.
Grade: 10-12
Credits: 1
Required: E
Prerequisite: Y

Journalism 4
Course ID: 1198
Description: This course develops skills for factual accuracy, spelling, grammar and punctuation errors.
Grade: 10-12
Credits: 1
Required: E
Prerequisite: Y

Advanced Studies in Literature and Writing
Course ID: 1471
Description: This course is designed to enrich and enhance students' exposure to literature and expository writing skills.
Grade: 9-12
Credits: .5
Required: E
Prerequisite: Y

Literature Magazine
Course ID: 1497
Description: Students will format the writings and layout the magazine pages with graphics and photographs for publication and distribution.
Grade: 9-12
Credits: 1
Required: E
Prerequisite: Y

Technical Writing
Course ID: 1355
Description: Students will learn objective writing and reporting of factual information for practical use in the workplace.
Grade: 9-12
Credits: .5
Required: E
Prerequisite: 0

Research Writing
Course ID: 1350
Description: Students will learn the fundamentals of research writing, emphasizing both content and process. Students will present their projects using multimedia formats.
Grade: 9-12
Credits: .5
Required: E
Prerequisite: 0

Radio/TV Speech 1
Course ID: 1340
Description: This course will teach students basic skills for writing and presenting scripts for radio and TV, as well as provide other mass media opportunities such as video production.
Grade: 9-12
Credits: .5
Required: E
Prerequisite: 0

Radio/TV Speech 2
Course ID: 1341
Description: This course continues to reinforce the concepts taught in Radio/TV Speech 1.
Grade: 9-12
Credits: .5
Required: E
Prerequisite: Y

Radio/TV Speech 3
Course ID: 1342
Description: This course is designed to provide advanced skills for students to write and present scripts for radio and TV.
Grade: 9-12
Credits: .5
Required: E
Prerequisite: Y

Radio/TV Speech 4
Course ID: 1343
Description: This course continues to provide advanced skills for students to write and present scripts for radio and TV.
Grade: 9-12
Credits: .5
Required: E
Prerequisite: Y
Speech 1
Course ID: 1229
Description: This introductory course is designed to develop students' oral communication and research skills. Students gain poise and confidence in public speaking.
Grade: 9-12
Credits: .5
Required: E
Prerequisite: Y

Speech 2
Course ID: 1230
Description: This advanced course continues to strengthen the skills acquired in Speech 1 with an emphasis on public speaking.
Grade: 9-12
Credits: .5
Required: E
Prerequisite: Y

Speech 3
Course ID: 1231
Description: This course is recommended for Performing Arts majors and focuses on interpretative reading from the printed page.
Grade: 10-12
Credits: .5
Required: E
Prerequisite: Y

Speech 4
Course ID: 1232
Description: This course offers advanced training for interpretative reading. Students polish skills acquired in Speech 3 and perform before school and community groups.
Grade: 10-12
Credits: .5
Required: E
Prerequisite: Y

Yearbook 1
Course ID: 7831
Description: This course will teach students to design layouts, write copy and produce publications. Meeting deadlines and organizational skills are a priority.
Grade: 9-12
Credits: .5
Required: E
Prerequisite: Y

Yearbook 2
Course ID: 1397
Description: This course continues to develop the same skills that are taught in Yearbook 1.
Grade: 9-12
Credits: .5
Required: E
Prerequisite: Y

Yearbook 3
Course ID: 1398
Description: This course offers students the opportunity to write, edit, copy, lay out pages, take and process photographs, check page proof, sell advertising and manage the business aspects of yearbook production.
Grade: 10-12
Credits: .5
Required: E
Prerequisite: Y

Yearbook 4
Course ID: 1399
Description: This course continues to develop the same skills that are taught in Yearbook 3.
Grade: 10-12
Credits: .5
Required: E
Prerequisite: Y

Writing Improvement 1
Course ID: 1410
Description: This course is designed to improve written communication skills and assist students in their course work and career pathways.
Grade: 9-12
Credits: .5
Required: E
Prerequisite: Y

Writing Improvement 2
Course ID: 1411
Description: This course is designed to continue strengthening students’ written communication skills.
Grade: 9-10
Credits: .5
Required: E
Prerequisite: Y
WORLD LANGUAGES

American Sign Language (ASL) I
Course ID: 4301
TARGETED LEVEL OF LANGUAGE PROFICIENCY: NOVICE MID
Description: Since ASL is a visual language, the main focus of this introductory course is to develop the students' interpretive receptive and presentational expressive skills. When viewing signs and gestures in ASL, students learn to recognize the ones related to themselves, home, family, friends, neighborhood, school, community, professions and environment. They also develop their presentational expressive mode, as they learn to visually communicate some basic information about well-practiced, familiar topics. ASL novice learners may be understood with difficulty by sympathetic ASL users who are very accustomed to interacting with language learners. Interpretive reading (finger spelling) and presentational glossing (writing) are introduced, but is not the main focus of this course. Students show awareness of the most obvious acceptable practices.
Grade: 9-12
Credits: 1
Required: E
Prerequisite: 0

American Sign Language (ASL) II
Course ID: 4302
TARGETED LEVEL OF LANGUAGE PROFICIENCY: NOVICE HIGH
Description: Since ASL is a visual language, the main focus of this course is to continue to develop the students' interpretive receptive and presentational expressive skills. When viewing signs and gestures in ASL, students learn to recognize the ones related to themselves, home, family, friends, neighborhood, school, community, professions and environment. They also develop their presentational expressive mode, as they learn to communicate visually some basic information about well-practiced, familiar topics related to their everyday life. They recombine and reformulate memorized language in the present and in the future, and report series of isolated events in the past. ASL novice learners may be understood with difficulty by sympathetic ASL users who are very accustomed to interacting with language learners. Interpretive reading (finger spelling) and presentational glossing (writing) are introduced, but is not the main focus of this course. Students show awareness of the most obvious unacceptable practices.
Grade: 9-12
Credits: 1
Required: E
Prerequisite: ASL I or demonstrated Novice Mid level

Arabic I
Course ID: 4036
TARGETED LEVEL OF LANGUAGE PROFICIENCY: NOVICE LOW-MID
Description: Students communicate minimally on very familiar topics by using simple, highly contextualized words, sentences, and questions related to themselves, home, family, friends, neighborhood, school, community, professions and environment that have been practiced and memorized. They recognize some familiar words and phrases when they hear or read them. They communicate some basic information about their everyday life using two or three words or memorized expressions. They can reproduce a modest number of words and phrases in context when writing about well-practiced, familiar topics and supply limited information on simple forms and documents. They may be understood with difficulty by sympathetic native speakers who are very accustomed to interacting with language learners. Students show awareness of the most obvious cultural differences or culturally unacceptable practices.
Grade: 9-12
Credits: 1
Required: E
Prerequisite: 0
Arabic II

Course ID: 4038

TARGETED LEVEL OF LANGUAGE PROFICIENCY: NOVICE MID-HIGH

Description: Students communicate and exchange basic information about familiar topics related to self, home, family, friends, neighborhood, school, community, professions, and environment using phrases and simple sentences. They recombine and reformulate memorized language in the present and in the future, and report series of isolated events in the past. They interact in short, social, everyday situations by asking and answering simple questions. They write short messages, postcards, and simple notes within the context in which the language was learned. They are understood primarily by native speakers who are sympathetic and accustomed to interacting with language learners. They recognize pieces of information (familiar words, phrases, and sentences) within short and simple messages related to everyday life and understand the main topics of what is being said or read. They show awareness of the most obvious cultural differences or culturally unacceptable practices.

Grade: 9-12

Credits: 1

Required: E

Prerequisite: Arabic I or demonstrated Novice Mid Level

Chinese II

Course ID: 4202

TARGETED LEVEL OF LANGUAGE PROFICIENCY: NOVICE MID-HIGH

Description: Students communicate and exchange basic information about familiar topics related to self, home, family, friends, neighborhood, school, community, professions, and environment using phrases and simple sentences. They recombine and reformulate memorized language in the present and in the future, and report series of isolated events in the past. They interact in short, social, everyday situations by asking and answering simple questions. They write short messages, postcards, and simple notes within the context in which the language was learned. They are understood primarily by native speakers who are sympathetic and accustomed to interacting with language learners. They recognize pieces of information (familiar words, phrases, and sentences) within short and simple messages related to everyday life and understand the main topics of what is being said or read. They show awareness of the most obvious cultural differences or culturally unacceptable practices.

Grade: 9-12

Credits: 1

Required: E

Prerequisite: Chinese I or demonstrated Novice Mid level

Chinese II

Course ID: 4200

TARGETED LEVEL OF LANGUAGE PROFICIENCY: NOVICE LOW-MID

Description: Students communicate minimally on very familiar topics by using simple, highly contextualized words, sentences, and questions related to themselves, home, family, friends, neighborhood, school, community, professions and environment that have been practiced and memorized. They recognize some familiar words and phrases when they hear or read them. They communicate some basic information about their everyday life using two or three words or memorized expressions. They can reproduce a modest number of words and phrases in context when writing about well-practiced, familiar topics and supply limited information on simple forms and documents. They may be understood with difficulty by sympathetic native speakers who are very accustomed to interacting with language learners. Students show awareness of the most obvious cultural differences or culturally unacceptable practices.

Grade: 9-12

Credits: 1

Required: E

Prerequisite: Chinese I or demonstrated Novice Mid level

Chinese III

Course ID: 4204

TARGETED LEVEL OF LANGUAGE PROFICIENCY: NOVICE HIGH-INTERMEDIATE LOW

Description: Students participate in conversations on a number of familiar topics beyond self, school, and home in simple sentences. They participate in short social interactions in everyday social and survival situations that may present some complications by asking and answering simple questions. They are consistently understood by native speakers accustomed to interacting with language learners. Students write briefly about most familiar topics and present information using a series of simple sentences. They can understand the main idea in short, simple messages about familiar topics. They recognize and use some culturally appropriate vocabulary, expressions, and gestures when participating in everyday interactions and recognize that differences exist in cultural behaviors and perspectives and can conform in familiar situations.

Grade: 9-12

Credits: 1

Required: E

Prerequisite: Chinese II or demonstrated Novice High level
Chinese IV

Course ID: 4206

TARGETED LEVEL OF LANGUAGE PROFICIENCY: INTERMEDIATE LOW-MID

Description: This course is intended for students who would like to continue improving their language proficiency, but do not want to pursue the AP track. In this course, students participate in short social interactions in everyday social and survival situations that may present complications. They are able to ask and answer a variety of questions and say what they want to say about themselves and their everyday life and personal interests or studies. They communicate consistently about present and future, but inconsistently about past events and create with the language. They are consistently understood by native speakers accustomed by interacting with language learners. They understand the main idea of texts related to everyday life and personal interests or studies. They communicate consistently about present and future, but inconsistently about past events. They are consistently understood by native speakers accustomed in interacting with language learners. They understand the main idea of texts related to everyday life and personal interests or studies. They write briefly on a wide variety of familiar topics using connected sentences and present information. They recognize and use some culturally appropriate vocabulary, expressions, and gestures when participating in everyday interactions and recognize that differences exist in cultural behaviors and perspectives and can conform in familiar situations.

Grade: 11-12

Credits: 1

Required: E

Prerequisite: Chinese III or demonstrated Intermediate Low level (or higher)

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Chinese IV Honors

Course ID: 4206.H

TARGETED LEVEL OF LANGUAGE PROFICIENCY: INTERMEDIATE LOW-MID

Description: This course, along with Chinese Language AP the following year, prepares students for the Advanced Placement exam. Students participate in short social interactions in everyday social and survival situations that may present complications. They are able to ask and answer a variety of questions and express what they want to say about themselves and their everyday life and personal interests or studies. They communicate consistently about present and future events, but inconsistently about past events. They are consistently understood by native speakers accustomed in interacting with language learners. They understand the main idea of texts related to everyday life and personal interests or studies. They write briefly on a wide variety of familiar topics using connected sentences and present information. They recognize and use some culturally appropriate vocabulary, expressions, and gestures when participating in everyday interactions and recognize that differences exist in cultural behaviors and perspectives and can conform in familiar situations.

Grade: 11-12

Credits: 1

Required: E

Prerequisite: Chinese III or demonstrated Intermediate Low level (or higher)
Chinese Language AP
Course ID: 4206.AP
TARGETED LEVEL OF LANGUAGE PROFICIENCY: INTERMEDIATE MID-HIGH (OR HIGHER)
Description: Chinese Language AP is a College Board endorsed Advanced Placement course with specific requirements. In this course, students participate with ease and confidence in conversations in social interactions in everyday social and survival situations related to everyday life, personal interests, and studies and sometimes handle simple transactions with unexpected complications in various time frames. They understand the main idea and few details on various topics and follow stores and descriptions. They write and present on topics they have researched via organized paragraphs. They are consistently understood by native speakers accustomed in interacting with language learners. They recognize and use some culturally appropriate vocabulary, expressions, and gestures when participating in everyday interactions and recognize that differences exist in cultural behaviors and perspectives and can conform in familiar situations.
Grade: 11-12
Credits: 1
Required: E
Prerequisite: Chinese IV/IV Honors or demonstrated Intermediate Mid level or higher

French II
Course ID: 4042
TARGETED LEVEL OF LANGUAGE PROFICIENCY: NOVICE HIGH
Description: Students communicate and exchange basic information about familiar topics related to self, home, family, friends, neighborhood, school, community, professions, and environment using phrases and simple sentences. They recombine and reformulate memorized language in the present and in the future, and report series of isolated events in the past. They interact in short, social, everyday situations by asking and answering simple questions. They write short messages, postcards, and simple notes within the context in which the language was learned. They are understood primarily by native speakers who are sympathetic and accustomed to interacting with language learners. They recognize pieces of information (familiar words, phrases, and sentences) within short and simple messages related to everyday life and understand the main topics of what is being said or read. They show awareness of the most obvious cultural differences or culturally unacceptable practices.
Grade: 9-12
Credits: 1
Required: E
Prerequisite: French I or demonstrated Novice Mid level

French I
Course ID: 4040
TARGETED LEVEL OF LANGUAGE PROFICIENCY: NOVICE MID
Description: Students communicate minimally on very familiar topics by using simple, highly contextualized words, sentences, and questions related to themselves, home, family, friends, neighborhood, school, community, professions, and environment that have been practiced and memorized. They recognize some familiar words and phrases when they hear or read them. They communicate some basic information about their everyday life using two or three words or memorized expressions. They can reproduce a modest number of words and phrases in context when writing about well-practiced, familiar topics and supply limited information on simple forms and documents. They may be understood with difficulty by sympathetic native speakers who are very accustomed to interacting with language learners. Students show awareness of the most obvious cultural differences or culturally unacceptable practices.
Grade: 9-12
Credits: 1
Required: E
Prerequisite: French II or demonstrated Novice High level

French III
Course ID: 4044
TARGETED LEVEL OF LANGUAGE PROFICIENCY: INTERMEDIATE LOW
Description: Students participate in conversations on a number of familiar topics beyond self, school, and home in simple sentences. They participate in short social interactions in everyday social and survival situations that may present some complications by asking and answering simple questions. They are consistently understood by native speakers accustomed to interacting with language learners. Students write briefly about most familiar topics and present information using a series of simple sentences. They can understand the main idea in short, simple messages about familiar topics. They recognize and use some culturally appropriate vocabulary, expressions, and gestures when participating in everyday interactions and recognize that differences exist in cultural behaviors and perspectives and can conform in familiar situations.
Grade: 9-12
Credits: 1
Required: E
Prerequisite: French II or demonstrated Novice High level
French IV
Course ID: 4046
TARGETED LEVEL OF LANGUAGE PROFICIENCY: INTERMEDIATE MID
Description: This course is intended for students who would like to continue improving their language proficiency, but do not want to pursue the AP track. French IV and V are rotating courses. Students electing French IV one year will have the opportunity to elect French V the following year. Students participate in short social interactions in everyday social and survival situations that may present complications. They are able to ask and answer a variety of questions and say what they want to say about themselves and their everyday life and personal interests or studies. They communicate consistently about present and future, but inconsistently about past events and create with the language. They are consistently understood by native speakers accustomed to interacting with language learners. They understand the main idea of texts related to everyday life and personal interests or studies. They write briefly on a wide variety of familiar topics using connected sentences and present information. They recognize and use some culturally appropriate vocabulary, expressions, and gestures when participating in everyday interactions and recognize that differences exist in cultural behaviors and perspectives and can conform in familiar situations.
Grade: 11-12
Credits: 1
Required: E
Prerequisite: French III or demonstrated Intermediate Low level (or higher) Y

French V
Course ID: 4048
TARGETED LEVEL OF LANGUAGE PROFICIENCY: INTERMEDIATE MID
Description: This course is intended for students who would like to continue improving their language proficiency, but do not want to pursue the AP track. French IV and V are rotating courses. Students electing French IV one year will have the opportunity to elect French V the following year. Students participate in short social interactions in everyday social and survival situations that may present complications. They are able to ask and answer a variety of questions and say what they want to say about themselves and their everyday life and personal interests or studies. They communicate consistently about present and future, but inconsistently about past events. They are consistently understood by native speakers accustomed to interacting with language learners. They understand the main idea of texts related to everyday life and personal interests or studies. They write briefly on a wide variety of familiar topics using connected sentences and present information. They recognize that differences exist in cultural behaviors and perspectives and can conform in familiar situations.
Grade: 11-12
Credits: 1
Required: E
Prerequisite: French III or demonstrated Intermediate Low level or higher Y
French IV Honors
Course ID: 4046.H
TARGETED LEVEL OF LANGUAGE PROFICIENCY: INTERMEDIATE MID
Description: This course, along with French Language AP the following year, prepares students for the Advanced Placement exam. Students participate in short social interactions in everyday social and survival situations that may present complications. They are able to ask and answer a variety of questions and say what they want to say about themselves and their everyday life and personal interests of studies. They communicate consistently about present and future events, but inconsistently about past events. They are consistently understood by native speakers accustomed to interacting with language learners. They understand the main idea of texts related to everyday life and personal interests or studies. They write briefly on a wide variety of familiar topics using connected sentences and present information. They recognize and use some culturally appropriate vocabulary, expressions, and gestures when participating in everyday interactions and recognize that differences exist in cultural behaviors and perspectives and can conform in familiar situations.
Grade: 11-12
Credits: 1
Required: E
Prerequisite: French III or demonstrated Low Intermediate or higher Y

French Language AP
Course ID: 4049.AP
TARGETED LEVEL OF LANGUAGE PROFICIENCY: INTERMEDIATE HIGH (OR HIGHER)
Description: French Language AP is a College Board endorsed Advanced Placement course with specific requirements. In this course, students participate with ease and confidence in conversations in social interactions in everyday social and survival situations related to everyday life, personal interests, and studies and sometimes handle simple transactions with unexpected complications in various time frames. They understand the main idea and few details on various topics and follow stories and descriptions. They write and present on topics they have researched via organized paragraphs. They are consistently understood by native speakers accustomed to interacting with language learners. They recognize and use some culturally appropriate vocabulary, expressions, and gestures when participating in everyday interactions and recognize that differences exist in cultural behaviors and perspectives and can conform in familiar situations.
Grade: 11-12
Credits: 1
Required: E
Prerequisite: French IV/IV Honors or demonstrated Intermediate Mid level or higher Y

German I
Course ID: 4050
TARGETED LEVEL OF LANGUAGE PROFICIENCY: NOVICE MID
Description: Students communicate minimally on very familiar topics by using simple, highly contextualized words, sentences, and questions related to themselves, home, family, friends, neighborhood, school, community, professions and environment that have been practiced and memorized. They recognize some familiar words and phrases when they hear or read them. They communicate some basic information about their everyday life using two or three words or memorized expressions. They can reproduce a modest number of words and phrases in context when writing about well-practiced, familiar topics and supply limited information on simple forms and documents. They may be understood with difficulty by sympathetic native speakers who are very accustomed to interacting with language learners. Students show awareness of the most obvious cultural differences or culturally unacceptable practices.
Grade: 9-12
Credits: 1
Required: E
Prerequisite: 0
### German II

**Course ID:** 4052  
**Targeted Level of Language Proficiency:** Novice High  
**Description:** Students communicate and exchange basic information about familiar topics related to self, home, family, friends, neighborhood, school, community, professions, and environment using phrases and simple sentences. They recombine and reformulate memorized language in the present and in the future, and report series of isolated events in the past. They interact in short, social, everyday situations by asking answering simple questions. They write short messages, postcards, and simple notes within the context in which the language was learned. They are understood primarily by native speakers who are sympathetic and accustomed to interacting with language learners. They recognize pieces of information (familiar words, phrases, and sentences) within short and simple messages related to everyday life and understand the main topics of what is being said or read. They show awareness of the most obvious cultural differences or culturally unacceptable practices.

**Grade:** 9-12  
**Credits:** 1  
**Required:** E  
**Prerequisite:** German I or demonstrated Novice Mid level  

### German III

**Course ID:** 4054  
**Targeted Level of Language Proficiency:** Intermediate Low  
**Description:** Students participate in conversation on a number of familiar topics beyond self, school, and home in simple sentences. They participate in short social interactions in everyday social and survival situations that may present some complications by asking and answering simple questions. They are consistently understood by native speakers accustomed to interacting with language learners. They can understand the main idea in short, simple messages about familiar topics. They recognize and use some culturally appropriate vocabulary, expressions, and gestures when participating in everyday interactions and recognize that differences exist in cultural behaviors and perspectives and can conform in familiar situations.

**Grade:** 9-12  
**Credits:** 1  
**Required:** E  
**Prerequisite:** German II or demonstrated Novice High level  

### German IV

**Course ID:** 4056  
**Targeted Level of Language Proficiency:** Intermediate Mid  
**Description:** This course is intended for students who would like to continue improving their language proficiency, but do not want to pursue the AP track. In this course, students participate in short social interactions in everyday social and survival situations that may present complications. They are able to ask and answer a variety of questions and say what they want to say about themselves and their everyday life and personal interests or studies. They communicate consistently about present and future, but inconsistently about past events and create with the language. They are consistently understood by native speakers accustomed to interacting with language learners. They understand the main idea of texts related to everyday life and personal interests or studies. They write briefly on a wide variety of familiar topics using connected sentences and present information. They recognize and use some culturally appropriate vocabulary, expressions, and gestures when participating in everyday interactions and recognize that differences exist in cultural behaviors and perspectives and can conform in familiar situations.

**Grade:** 11-12  
**Credits:** 1  
**Required:** E  
**Prerequisite:** German III or demonstrated Intermediate Low level (or higher)  

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German IV Honors
Course ID: 4056.H
TARGETED LEVEL OF LANGUAGE PROFICIENCY: INTERMEDIATE MID
Description: This course, along with German Language AP the following year, prepares students for the Advanced Placement exam. Students participate in short social interactions in everyday social and survival situations that may present complications. They are able to ask and answer a variety of questions and say what they want to say about themselves and their everyday life and personal interests or studies. They communicate consistently about present and future, but inconsistently about past events. They are consistently understood by native speakers accustomed to interacting with language learners. They understand the main idea of texts related to everyday life and personal interests or studies. They write briefly on a wide variety of familiar topics using connected sentences and present information. They recognize and use some culturally appropriate vocabulary, expressions, and gestures when participating in everyday interactions and recognize that differences exist in cultural behaviors and perspectives and can conform in familiar situations.
Grade: 11-12
Credits: 1
Required: E
Prerequisite: German I-II or demonstrated Intermediate Low level or higher

German Language AP
Course ID: 4056.AP
TARGETED LEVEL OF LANGUAGE PROFICIENCY: INTERMEDIATE HIGH (OR HIGHER)
Description: German Language AP is a College Board endorsed Advanced Placement course with specific requirements. In this course, students participate with ease and confidence in conversations in social interactions in everyday social and survival situations related to everyday life, personal interests, and studies and sometimes handle simple transactions with unexpected complications in various time frames. They understand the main idea and few details on various topics and follow stores and descriptions. They write and present on topics they have researched via organized paragraphs. They are consistently understood by native speakers accustomed in interacting with language learners. They recognize and use some culturally appropriate vocabulary, expressions, and gestures when participating in everyday interactions and recognize that differences exist in cultural behaviors and perspectives and can conform in familiar situations.
Grade: 11-12
Credits: 1
Required: E
Prerequisite: German IV/IV Honors or demonstrated Intermediate Mid level or higher

Japanese I
Course ID: 4109
TARGETED LEVEL OF LANGUAGE PROFICIENCY: NOVICE LOW-MID
Description: Students communicate minimally on very familiar topics by using simple, highly contextualized words, sentences, and questions related to themselves, home, family, friends, neighborhood, school, community, professions and environment that have been practiced and memorized. They recognize some familiar words and phrases when they hear or read them. They communicate some basic information about their everyday life using two or three words or memorized familiar topics and supply limited information on simple forms and documents. They may be understood with difficulty by sympathetic native speakers who are very accustomed to interacting with language learners. Students show awareness of the most obvious cultural differences or culturally unacceptable practices.
Grade: 9-12
Credits: 1
Required: E
Prerequisite: 0
### Japanese II
**Course ID:** 4129  
**TARGETED LEVEL OF LANGUAGE PROFICIENCY:** NOVICE MID-HIGH  
**Description:** Students communicate and exchange basic information about familiar topics related to self, home, family, friends, neighborhood, school, community, professions, and environment using phrases and simple sentences. They recombine and reformulate memorized language in the present and in the future, and report series of isolated events in the past. They interact in short, social, everyday situations by asking and answering simple questions. They write short messages, postcards, and simple notes within the context in which the language was learned. They understand primarily by native speakers who are sympathetic and accustomed to interacting with language learners. They recognize pieces of information (familiar words, phrases, and sentences) within short and simple messages related to everyday life and understand the main topics of what is being said or read. They show awareness of the most obvious cultural differences or culturally unacceptable practices.  
**Grade:** 9-12  
**Credits:** 1  
**Required:** E  
**Prerequisite:** Japanese I or demonstrated Novice Mid level

### Japanese III
**Course ID:** 4145  
**TARGETED LEVEL OF LANGUAGE PROFICIENCY:** NOVICE HIGH – INTERMEDIATE LOW  
**Description:** Students participate in conversations on a number of familiar topics beyond self, school, and home in simple sentences. They participate in short social interactions in everyday social and survival situations that may present some complications by asking and answering simple questions. They are consistently understood by native speakers accustomed in interacting with language learners. Students write briefly about most familiar topics and present information using a series of simple sentences. They can understand the main idea in short, simple messages about familiar topics. They recognize and use some culturally appropriate vocabulary, expressions, and gestures when participating in everyday interactions and recognize that differences exist in cultural behaviors and perspectives and can conform in familiar situations.  
**Grade:** 9-12  
**Credits:** 1  
**Required:** E  
**Prerequisite:** Japanese II or demonstrated Novice High level

### Japanese IV
**Course ID:** 4147  
**TARGETED LEVEL OF LANGUAGE PROFICIENCY:** INTERMEDIATE LOW-MID  
**Description:** This course is intended for students who would like to continue improving their language proficiency, but do not want to pursue the AP track. In this course, students participate in short social interactions in everyday social and survival situations that may present complications. They are able to ask and answer a variety of questions and express what they want to say about themselves and their everyday life and personal interests or studies. They communicate consistently about present and future events, but inconsistently about past events and create with the language. They are consistently understood by native speakers accustomed to interacting with language learners. They understand the main idea of texts related to everyday life and personal interests or studies. They write briefly on a variety of familiar topics using connected sentences and present information. They recognize and use some culturally appropriate vocabulary, expressions, and gestures when participating in everyday interactions and recognize that differences exist in cultural behaviors and perspectives and can conform in familiar situations.  
**Grade:** 11-12  
**Credits:** 1  
**Required:** E  
**Prerequisite:** Japanese III or demonstrated Intermediate Low level or higher
Japanese IV Honors
Course ID: 4147.H
TARGETED LEVEL OF LANGUAGE PROFICIENCY: INTERMEDIATE LOW-MID
Description: This course along with Japanese Language AP the following year, prepares students for the Advanced Placement exam. Students participate in short social interactions in everyday social and survival situations that may present complications. They are able to ask and answer a variety of questions and say what they want to express about themselves and their everyday life and personal interests or studies. They communicate consistently about present and future events, but inconsistently about past events. They are consistently understood by native speakers accustomed to interacting with language learners. They understand the main idea of texts related to everyday life and personal interests or studies. They write briefly on a wide variety of familiar topics using connected sentences and present information. They recognize and use some culturally appropriate vocabulary, expressions, and gestures when participating in everyday interactions and recognize that differences exist in cultural behaviors and perspectives and can conform in familiar situations.

Grade: 11-12
Credits: 1
Required: E
Prerequisite: Japanese III or demonstrated Intermediate Low level or higher

Japanese Language AP
Course ID: 4089.AP
TARGETED LEVEL OF LANGUAGE PROFICIENCY: INTERMEDIATE MID-HIGH (OR HIGHER)
Description: Japanese Language AP is a College Board endorsed Advanced Placement course with specific requirements. In this course, students participate with ease and confidence in conversations in social interactions in everyday social and survival situations related to everyday life, personal interests, and studies and sometimes handle simple transactions with unexpected complications in various time frames. They understand the main idea and few details on various topics and follow stories and descriptions. They write and present on topics they have researched via organized paragraphs. They are consistently understood by native speakers accustomed to interacting with language learners. They recognize and use some culturally appropriate vocabulary, expressions, and gestures when participating in everyday interactions and recognize that differences exist in cultural behaviors and perspectives and can conform in familiar situations.

Grade: 11-12
Credits: 1
Required: E
Prerequisite: Japanese IV/IV Honors or demonstrated Intermediate Mid level or higher

Latin I
Course ID: 4070
TARGETED LEVEL OF LANGUAGE PROFICIENCY: NOVICE LOW-MID
Description: As Latin is no longer a native or first language of any population, the main focus of this introductory course is on developing the students' interpretive reading skills. Students are gradually introduced to classic texts and understand the significant impact of Latin on learning in other disciplines, such as modern languages, art, law, government, and medicine. Since the focus of this course is on the written and not the spoken word, interpretative listing as well as presentational speaking and writing are ancillary skills that support language learning. Awareness of the most obvious cultural differences are promoted.

Grade: 9-12
Credits: 1
Required: E
Prerequisite: 0
Latin II
Course ID: 4072
TARGETED LEVEL OF LANGUAGE PROFICIENCY: NOVICE MID-HIGH
Description: As Latin is no longer a native or first language of any population, the main focus of this introductory course is on developing the students’ interpretive reading skills. Students are gradually introduced to classic texts and understand the significant impact of Latin on learning in other disciplines, such as modern languages, art, law, government, and medicine. Since the focus of this course is on the written and not the spoken word, interpretative listing as well as presentational speaking and writing are ancillary skills that support language learning. Awareness of the most obvious cultural differences are promoted.
Grade: 9-12
Credits: 1
Required: E
Prerequisite: Latin I or demonstrated Novice Mid level Y

Spanish I
Course ID: 4080
TARGETED LEVEL OF LANGUAGE PROFICIENCY: NOVICE MID
Description: Students communicate minimally on very familiar topics by using simple, highly contextualized words, sentences, and questions related to themselves, home, family, friends, neighborhood, school, community, professions and environment that have been practiced and memorized. They recognize some familiar words and phrases when they hear or read them. They communicate some basic information about their everyday life using two or three words or memorized expressions. They can reproduce a modest number of words and phrases in context when writing about well-practiced, familiar topics and supply limited information on simple forms and documents. They may be understood with difficulty by sympathetic native speakers who are very accustomed to interacting with language learners. Students show awareness of the most obvious cultural differences or culturally unacceptable practices.
Grade: 9-12
Credits: 1
Required: E
Prerequisite: Spanish I or demonstrated Novice Mid level Y

Spanish II
Course ID: 4082
TARGETED LEVEL OF LANGUAGE PROFICIENCY: NOVICE LOW-MID
Description: Students communicate and exchange basic information about familiar topics related to self, home, family, friends, neighborhood, school, community, professions, and environment using phrases and simple sentences. They recombine and reformulate memorized language in the present and in the future, and report series of isolated events in the past. They interact in short, social, everyday situations by asking and answering simple questions. They write short messages, postcards, and simple notes within the context in which the language was learned. They are understood primarily by native speakers who are sympathetic and accustomed to interacting with language learners. They recognize pieces of information (familiar words, phrases, and sentences) within short and simple messages related to everyday life and understand the main topics of what is being said or read. They show awareness of the most obvious cultural differences or culturally unacceptable practices.
Grade: 9-12
Credits: 1
Required: E
Prerequisite: Spanish I or demonstrated Novice Mid level Y

Spanish III
Course ID: 4084
TARGETED LEVEL OF LANGUAGE PROFICIENCY: INTERMEDIATE LOW
Description: Students participate in conversations on a number of familiar topics beyond self, school, and home in simple sentences. They participate in short social interactions in everyday social and survival situations that may present some complications by asking and answering simple questions. They are consistently understood by native speakers accustomed to interacting with language learners. Students write briefly about most familiar topics and present information using a series of simple sentences. They can understand the main idea in short, simple messages about familiar topics. They recognize and use some culturally appropriate vocabulary, expressions, and gestures when participating in everyday interactions and recognize that differences exist in cultural behaviors and perspectives and can conform in familiar situations.
Grade: 9-12
Credits: 1
Required: E
Prerequisite: Spanish II or demonstrated Novice High level Y
### Spanish IV

**Course ID:** 4086  
**Targeted Level of Language Proficiency:** Intermediate Mid  
**Description:** This course is intended for students who would like to continue improving their language proficiency, but do not want to pursue the AP track. Spanish IV and V are rotating courses. Students electing Spanish IV one year will have the opportunity to elect Spanish V the following year. Students participate in short social interactions in everyday social and survival situations that may present complications. They are able to ask and answer a variety of questions and express what they want to say about themselves and their everyday life and personal interests or studies. They communicate consistently about present and future events, but inconsistently about past events and create with the language. They are consistently understood by native speakers accustomed to interacting with language learners. They understand the main idea of texts related to everyday life and personal interests or studies. They write briefly on a wide variety of familiar topics using connected sentences and present information. They recognize and use some culturally appropriate vocabulary, expressions, and gestures when participating in everyday interactions and recognize that differences exist in cultural behaviors and perspectives and can conform in familiar situations.

**Grade:** 11-12  
**Credits:** 1  
**Required:** E  
**Prerequisite:**  
Spanish III or demonstrated Intermediate Low level (or higher) Y

### Spanish V

**Course ID:** 4097  
**Targeted Level of Language Proficiency:** Intermediate Mid  
**Description:** This course is intended for students who would like to continue improving their language proficiency, but do not want to pursue the AP track. Spanish IV and V are rotating courses. Students electing Spanish V one year will have the opportunity to elect Spanish IV the following year. Students participate in short social interactions in everyday social and survival situations that may present complications. They are able to ask and answer a variety of questions and express what they want to say about themselves and their everyday life and personal interest or studies. They communicate consistently about present and future events, but inconsistently about past events and create with the language. They are consistently understood by native speakers accustomed to interacting with language learners. They understand the main idea of texts related to everyday life and personal interests or studies. They write briefly on a wide variety of familiar topics using connected sentences and present information. They recognize and use some culturally appropriate vocabulary, expressions, and gestures when participating in everyday interactions and recognize that differences exist in cultural behaviors and perspectives and can conform in familiar situations.

**Grade:** 11-12  
**Credits:** 1  
**Required:** E  
**Prerequisite:**  
Spanish III or demonstrated Intermediate Low level (or higher) Y
### Spanish IV Honors

**Course ID:** 4086.H  
**Targeted Level of Language Proficiency:** Intermediate Mid  
**Description:** This course, along with Spanish Language AP the following year, prepares students for the Advanced Placement exam. Students participate in short social interactions in everyday social and survival situations that may present complications. They are able to ask and answer a variety of questions and say what they want to express about themselves and their everyday life and personal interest or studies. They communicate consistently about present and future events, but inconsistently about past events. They are consistently understood by native speakers accustomed to interacting with language learners. They understand the main idea of texts related to everyday life and personal interests or studies. They write briefly on a wide variety of familiar topics using connected sentences and present information. They recognize and use some culturally appropriate vocabulary, expressions, and gestures when participating in everyday interactions and recognize that differences exist in cultural behaviors and perspectives and can conform in familiar situations.  
**Grade:** 11-12  
**Credits:** 1  
**Required:** E  
**Prerequisite:** Spanish III or demonstrated Intermediate Low level or higher  

### Spanish Language AP

**Course ID:** 4089.AP  
**Targeted Level of Language Proficiency:** Intermediate High (or Higher)  
**Description:** Spanish Language AP is a College Board endorsed Advanced Placement course with specific requirements. In this course, students participate with ease and confidence in conversations in social interactions in everyday social and survival situations related to everyday life, personal interests, and studies and sometimes handle simple transactions with unexpected complications in various time frames. They understand the main idea and few details on various topics and follow stories and descriptions. They write and present on topics they have researched via organized paragraphs. They are consistently understood by native speakers accustomed to interacting with language learners. They recognize and use some culturally appropriate vocabulary, expressions, and gestures when participating in everyday interactions and recognize that differences exist in cultural behaviors and perspectives and can conform in familiar situations.  
**Grade:** 11-12  
**Credits:** 1  
**Required:** E  
**Prerequisite:** Spanish IV/IV Honors or demonstrated Intermediate Mid level or higher
Russian I

Course ID: 4102
TARGETED LEVEL OF LANGUAGE PROFICIENCY: NOVICE LOW-MID

Description: Students communicate minimally on very familiar topics by using simple, highly contextualized words, sentences, and questions related to themselves, home, family, friends, neighborhood, school, community, professions and environment that have been practiced and memorized. They recognize some familiar words and phrases when they hear or read them. They communicate some basic information about their everyday life using two or three words or memorized expressions. They can reproduce a modest number of words and phrases in context when writing about well-practiced, familiar topics and supply limited information on simple forms and documents. They may be understood with difficulty by sympathetic native speakers who are very accustomed to interacting with language learners. Students show awareness of the most obvious cultural differences or culturally unacceptable practices.

Grade: 9-12
Credits: 1
Required: E
Prerequisite: 0

Russian II

Course ID: 4104
TARGETED LEVEL OF LANGUAGE PROFICIENCY: NOVICE MID – NOVICE HIGH

Description: Students communicate and exchange basic information about familiar topics related to self, home, family, friends, neighborhood, school, community, professions, and environment using phrases and simple sentences. They recombine and reformulate memorized language in the present and in the future, and report series of isolated events in the past. They interact in short, social, everyday situations by asking and answering simple questions. They write short messages, postcards, and simple notes within the context in which the language was learned. They understood primarily by native speakers who are sympathetic and accustomed to interacting with language learners. They recognize pieces of information (familiar words, phrases, and sentences) within short and simple messages related to everyday life and understand the main topics of what is being said or read. They show awareness of the most obvious cultural differences or culturally unacceptable practices.

Grade: 9-12
Credits: 1
Required: E
Prerequisite: Russian I or demonstrated Novice Mid level Y
# Health, Physical Education and Safety

## Personal Health Management 1

<table>
<thead>
<tr>
<th>Course ID: 2507</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description:</strong> A required course for high school graduation, including such major health topics: Human Sexuality that is age appropriate and medically accurate, Nutrition Education, Substance Use and Abuse, Family &amp; Consumer Health, Disease Prevention and Control, Utilization of Healthy Decision Making Processes, Improving Mental and Social Health, Safety and First-Aid.</td>
</tr>
<tr>
<td><strong>Grade:</strong> 9-12</td>
</tr>
<tr>
<td><strong>Credits:</strong> .5</td>
</tr>
<tr>
<td><strong>Required:</strong> R</td>
</tr>
<tr>
<td><strong>Prerequisite:</strong> 0</td>
</tr>
</tbody>
</table>

## Personal Health Management 2

<table>
<thead>
<tr>
<th>Course ID: 2503</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description:</strong> An elective course providing enhanced knowledge and skills to avoid or reduce health related risky behavior. Training and certification in first aid and cardio pulmonary resuscitation techniques to improve family communication, and utilization of community health resources.</td>
</tr>
<tr>
<td><strong>Grade:</strong> 9-12</td>
</tr>
<tr>
<td><strong>Credits:</strong> .5</td>
</tr>
<tr>
<td><strong>Required:</strong> E</td>
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<tr>
<td><strong>Prerequisite:</strong> Y</td>
</tr>
</tbody>
</table>

## Physical Education 1

<table>
<thead>
<tr>
<th>Course ID: 2500</th>
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</thead>
<tbody>
<tr>
<td><strong>Description:</strong> A basic physical education course stressing fitness, conditioning, individual sports skills and seasonal sports. This course includes the development of basic movement skills through instruction in a variety of physical activities such as team and individual sports, gymnastics, and conditioning.</td>
</tr>
<tr>
<td><strong>Grade:</strong> 9-12</td>
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<tr>
<td><strong>Credits:</strong> .5</td>
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<tr>
<td><strong>Required:</strong> R</td>
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<tr>
<td><strong>Prerequisite:</strong> 0</td>
</tr>
</tbody>
</table>

## Physical Education 2

<table>
<thead>
<tr>
<th>Course ID: 2501</th>
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<tbody>
<tr>
<td><strong>Description:</strong> A course which continues experiences in physical education stressing fitness, conditioning, individual sports skills and seasonal sports. This course provides a continuum of learning experiences which focus on the basic rules and strategies of various lifetime sports and recreational skills which will encourage continued participation into adulthood.</td>
</tr>
<tr>
<td><strong>Grade:</strong> 9-12</td>
</tr>
<tr>
<td><strong>Credits:</strong> .5</td>
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<tr>
<td><strong>Required:</strong> R</td>
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<tr>
<td><strong>Prerequisite:</strong> Y</td>
</tr>
</tbody>
</table>

## Team Sports 1

<table>
<thead>
<tr>
<th>Course ID: 2550</th>
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<tbody>
<tr>
<td><strong>Description:</strong> This course allows basic advance skills and strategies of football, basketball, baseball, soccer, softball, volleyball, track and field. This course offers students a cope and sequence of individual and team sports, basic skills, and individual fitness and training.</td>
</tr>
<tr>
<td><strong>Grade:</strong> 9-12</td>
</tr>
<tr>
<td><strong>Credits:</strong> .5</td>
</tr>
<tr>
<td><strong>Required:</strong> E</td>
</tr>
<tr>
<td><strong>Prerequisite:</strong> 0</td>
</tr>
</tbody>
</table>

## Team Sports 2

<table>
<thead>
<tr>
<th>Course ID: 2551</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description:</strong> Advanced skills and strategies taught for team sports consists of football, basketball, baseball, soccer, softball, volleyball, track and field. This course meets the physical education requirements.</td>
</tr>
<tr>
<td><strong>Grade:</strong> 9-12</td>
</tr>
<tr>
<td><strong>Credits:</strong> .5</td>
</tr>
<tr>
<td><strong>Required:</strong> E</td>
</tr>
<tr>
<td><strong>Prerequisite:</strong> Y</td>
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</tbody>
</table>

## Individual Sports 1

<table>
<thead>
<tr>
<th>Course ID: 2540</th>
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<tbody>
<tr>
<td><strong>Description:</strong> An introduction to lifetime sports such as tennis, table tennis, badminton, bowling, handball, aerobics, physical conditioning, jogging, and stretching, with emphasis on skills, rules, sportsmanship and game strategy.</td>
</tr>
<tr>
<td><strong>Grade:</strong> 9-12</td>
</tr>
<tr>
<td><strong>Credits:</strong> .5</td>
</tr>
<tr>
<td><strong>Required:</strong> E</td>
</tr>
<tr>
<td><strong>Prerequisite:</strong> 0</td>
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</tbody>
</table>
Individual Sports 2
Course ID: 2541
Description: A course which concentrates on selected lifetime sports as aerobics, physical conditioning, jogging, stretching and personal exercise, which emphasis on game strategies.
Grade: 9-12
Credits: .5
Required: E
Prerequisite: Y

Basketball 1
Course ID: 2510
Description: This course provides students a concentrated program of conditioning activities, skills, team play, techniques, rules, athletic health and nutrition principles, care and prevention of injuries in basketball.
Grade: 10-12
Credits: .5
Required: E
Prerequisite: Y

Basketball 2
Course ID: 2512
Description: An intermediate program of basketball skills, conditioning activities, rules, principles of team play and strategies.
Grade: 10-12
Credits: .5
Required: E
Prerequisite: Y

Football 1
Course ID: 2530
Description: This course provides students with a beginning program of football skills, conditioning activities, rules and sportsmanship.
Grade: 10-12
Credits: .5
Required: E
Prerequisite: Y

Football 2
Course ID: 2532
Description: An intermediate program of football skills, conditioning activities, rules, and principles of team play and strategies.
Grade: 10-12
Credits: .5
Required: E
Prerequisite: Y

Physical Conditioning/Weight Training 1
Course ID: 2700
Description: This course concentrates on development of upper and lower body musculature. Program also includes running to develop cardiopulmonary fitness. It is offered in schools where equipment i.e., weight machines, are available through local school funding.
Grade: 10-12
Credits: .5
Required: E
Prerequisite: 0

Physical Conditioning/Weight Training 2
Course ID: 2701
Description: Advanced techniques are taught for the development of upper and lower body musculature. Program also includes running to develop cardiopulmonary fitness. Course offered in schools where equipment, i.e., weight machine, is available through local school funding.
Grade: 10-12
Credits: .5
Required: E
Prerequisite: Y

Swim 1
Course ID: 2600
Description: A course of instruction in beginning and intermediate swimming strokes as prescribed by the American Red Cross. This course is designed for students who cannot float or swim. Skills are taught at a slower pace to build confidence, rhythmic breathing and arm/leg movement.
Grade: 9-12
Credits: .5
Required: E
Prerequisite: 0

Swim 2
Course ID: 2601
Description: This is an intermediate course designed to show progression in swimming strokes and a continued emphasis on form. A course teaching skills and swim conditioning activities in selected swim strokes with development of flexibility, technique and endurance.
Grade: 9-12
Credits: .5
Required: E
Prerequisite: Y
<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Grade</th>
<th>Credits</th>
<th>Required</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>Swim 3</td>
<td>A course of instruction for intermediate and advanced swimming in selected swim strokes following American Red Cross guidelines for these skill levels with continued conditioning to develop endurance and speed.</td>
<td>10-12</td>
<td>.5</td>
<td>E</td>
<td>Y</td>
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<tr>
<td>Swim 4</td>
<td>A course for swim skills development and conditioning for potential involvement in competitive events.</td>
<td>10-12</td>
<td>.5</td>
<td>E</td>
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</tbody>
</table>
DANCE

Description: The dance program is designed to educate, train and develop talented students in the performance skills of dance. The program combines theory, technique, classroom instructions, rehearsal and performance. Students are provided with the opportunity for technical development through master classes, internships with national dance companies, and critiques by professional guest artists.

Dance 1
Course ID: 2580
Description: A course teaching fundamentals of modern dance, basic locomotive and non-locomotive skills.
Grade:
Credits: .5
Required: E
Prerequisite: 0

Dance 2
Course ID: 2581
Description: A course emphasizing continued development of greater flexibility, agility, balance, strength, control and endurance in the fundamentals of modern dance.
Grade:
Credits: .5
Required: E
Prerequisite: Y

Dance 3
Course ID: 2582
Description: A course dealing with problem-solving techniques in modern dance utilizing individuals and materials, including the introduction of ballet.
Grade:
Credits: .5
Required: E
Prerequisite: Y

Dance 4
Course ID: 2583
Description: A course introducing theory, composition and choreography in modern dance performance.
Grade: 10-12
Credits: .5
Required: E
Prerequisite: Y

Dance 5
Course ID: 2584
Description: A course dealing with intermediate composition and choreography challenging students to develop ideas for performance and continued experience in improvisation in dance.
Grade: 10-12
Credits: .5
Required: E
Prerequisite: Y

Dance 6
Course ID: 2585
Description: A course in advance composition and choreography in modern dance to include exposure to history and characteristics of some leading artist performers including jazz.
Grade: 10-12
Credits: .5
Required: E
Prerequisite: Y

Dance 7
Course ID: 2586
Description: A course for the study of ballet as an art form, its history and fundamental skills.
Grade: 10-12
Credits: .5
Required: E
Prerequisite: Y

Dance 8
Course ID: 2587
Description: A course continuing the development of modern dance and ballet skills integrated into sophisticated performance levels.
Grade: 10-12
Credits: .5
Required: E
Prerequisite: Y
Folk or Contemporary Dance 1

Course ID: 2590
Description: A course introducing ballroom, Latin, disco, and other popular dance techniques to develop a foundation in social dance steps so that new patterns may be created to suit the needs of contemporary rhythms.
Grade: 10-12
Credits: .5
Required: E
Prerequisite: 0

Folk or Contemporary Dance 2

Course ID: 2591
Description: A course for the preparation of demonstration or performance programs in folk and contemporary dance.
Grade: 10-12
Credits: .5
Required: E
Prerequisite: Y
Junior Reserve Officers Training Corps/National Defense Cadets Corps (JROTC)

Introduction to Leadership Education and Training

Course ID: 8501
Description: The spirit of American citizenship and Army JROTC helps develop new skills you can use in school and throughout life. This introductory course gives you a greater appreciation of your American heritage, as well as the history and purpose of Army JROTC. This course introduces leadership development, theories of leadership, skills, traits and principles necessary to influence human behavior. The course provides skill development in human relations and citizenship.

Grade: 9
Credits: 1
Required: E
Prerequisite: 0

Intermediate Leadership Education and Training

Course ID: 8503
Description: Leadership Intermediate concentrates on leadership values and good judgment in leadership situations. It also includes an introduction to basic management skills: map reading and land navigation, first aid, leadership lab drill and ceremonies, American military history, role of U.S. Army, technology awareness, career opportunities, cadet challenge, and techniques of communication.

Grade: 10
Credits: 1
Required: E
Prerequisite: Y

Applied Leadership Education and Training

Course ID: 8505
Description: Discussion of military leadership and managerial techniques; the aspects of mutual respect; duties of leader/manager; the building of teamwork and team spirit; the flow of communication, management to operating level and back; the problem-solving process; staff supervision of assigned task; staff functions and procedures. Drill and ceremonies; applied map reading land navigation, marksmanship and safety, service/ROTC Opportunities, applied techniques and oral communication, role of the Army.

Grade: 11
Credits: 1
Required: E
Prerequisite: Y

Advanced Leadership Education and Training

Course ID: 8507
Description: Psychology of Leadership—Review LET—3 instruction; moral aspects of leadership; group relations and behavior; indicators of leadership; communications; management of resources; problem solving process; practical exercises in problem solving and management. Seminar in leadership and management; leadership and small unit leader problems; drill and ceremonies; advanced communications; staff functions and procedures; DAI/SAI selected optional subjects. A minimum of 38 hours in addition to Advanced Leadership Techniques, drill and ceremonies; advanced communication and staff functions and procedure is required to complete the LET-4POL.

Grade: 12
Credits: 1
Required: E
Prerequisite: Y
Safety Education
Safety and Driver Education

**Course ID:** 8000

**Description:** The major goal of Driver Education is to prepare a safe and efficient driver who is capable of adequately participating in today's complex traffic society. To do this, the program provides for the development of proper self-image as an adequate and responsible individual; an understanding of the needs for the rules and regulations both as an individual and in society; the development of mutual respect for each other and the willingness to accept individual limitations; the development of individual involvement in the total community efforts of traffic safety.

**Grade:**

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<tbody>
<tr>
<td>Required:</td>
<td></td>
</tr>
<tr>
<td>Prerequisite:</td>
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</tr>
</tbody>
</table>
MATHEMATICS

Algebra I
Course ID: 2110
Description: This course is organized around such key concepts as real numbers, patterns and relationships, algebraic expressions, functions, exploring data, equations, inequalities, systems of equations, graphs, statistics, probability, geometry connections and problem-solving. This course focuses on student understanding and differentiation models that support various learning styles.
Grade: 8-9
Credits: 1
Required: M
Prerequisite: N

Algebra I Honors
Course ID: 2110.H
Description: Students will engage in a deeper and more rigorous study of Algebra concepts and content. Algebra I and Algebra I Honors cover the same content with the following distinctions: the Algebra I Honors is intended for students that have not taken Algebra I. This course focuses on student understanding and differentiation models that support various learning styles.
Grade: 9
Credits: 1
Required: M
Prerequisite: N

Algebra Lab
Course ID: 2161
Description: This course is a mathematics elective offered in conjunction with Algebra I as a part of an extended mathematics instructional period. It is designed to support and enhance algebraic concept development including real numbers, patterns, relationships, functions, numerical, symbols, graphic and verbal representations.
Grade: 9
Credits: 1
Required: E
Prerequisite: N

Algebra I Accelerated (ACCEL)
Course ID: 2110.AC
Description: Students will engage in a deeper and more rigorous study of Algebra concepts and content. Algebra I and Algebra I AC cover the same content with the following distinctions: the Algebra I AC is intended for accelerated students that have not taken Algebra I. This course focuses on student understanding and differentiation models that support various learning styles.
Grade: 9
Credits: 1
Required: M
Prerequisite: N

Algebra I Bilingual (BIL)
Course ID: 2110.BIL
Description: This course develops and enriches the students' home language, culture, and English language proficiency while learning key Algebra I concepts in the English language. This course focuses on student understanding and differentiation models that support various learning styles.
Grade: 9-12
Credits: 1
Required: M
Prerequisite: N

Geometry
Course ID: 2200
Description: This course is organized around such key concepts as patterns and relationships, measurement, inductive and deductive reasoning, coordinate geometry, transformations, tessellations, relationships with triangles, congruent and similar figures, relationships with quadrilaterals and circles, geometric probability and algebra connections. This course focuses on student understanding and differentiation models that support various learning styles. Prerequisite: Algebra I.
Grade: 9-10
Credits: 1
Required: R
Prerequisite: Y
### Geometry Bilingual (BIL)

**Course ID:** 2200.BIL  
**Description:** This course develops and enriches the students’ home language, culture, and English language proficiency while learning key Geometry concepts in the English language. This course focuses on student understanding and differentiation models that support various learning styles. Prerequisite: Algebra I.  
**Grade:** 10-12  
**Credits:** 1  
**Required:** M  
**Prerequisite:** Y

### Geometry Honors (H)

**Course ID:** 2202.H  
**Description:** Students will engage in a deeper and more rigorous study of Geometry concepts and content expectations. Geometry and Geometry Honors cover the same content with the following distinctions: the Geometry Honors is intended for students that have not taken Geometry. This course focuses on student understanding and differentiation models that support various learning styles. Prerequisite: Algebra I.  
**Grade:** 9-10  
**Credits:** 1  
**Required:** M  
**Prerequisite:** Y

### Geometry Lab

**Course ID:** 2221  
**Description:** This course is a mathematics elective offered in conjunction with Geometry as a part of an extended mathematics instructional period. It is designed to support and enhance geometric concept development including patterns and relationships, measurement, inductive and deductive reasoning, coordinate geometry, transformations, tessellations, relationships with triangles, congruent and similar figures, relationships with quadrilaterals and circles, geometric probability and algebra connections. This course focuses on student understanding and differentiation models that support various learning styles. Prerequisite: Algebra I.  
**Grade:** 9-10  
**Credits:** 1  
**Required:** E  
**Prerequisite:** Y

### Geometry Accelerated (ACCEL)

**Course ID:** 2200.AC  
**Description:** Students will engage in a deeper and more rigorous study of Geometry concepts and content expectations. Geometry and Geometry AC cover the same content with the following distinctions; the Geometry AC is intended for accelerated students that have not taken Geometry. This course focuses on student understanding and differentiation models that support various learning styles. Prerequisite: Algebra I.  
**Grade:** 9-10  
**Credits:** 1  
**Required:** M  
**Prerequisite:** Y

### Algebra II

**Course ID:** 2130  
**Description:** Content is centered around such key concepts as equations, inequalities, and systems of equations; matrices, rational expressions, variation, linear and quadratic functions including analysis of polynomial, composition, rational, exponential, logarithmic and trigonometric functions, sequences and series, statistics, probability and discrete mathematics connections. This course focuses on student understanding and differentiation models that support various learning styles. Prerequisites: Algebra I.  
**Grade:** 10-11  
**Credits:** 1  
**Required:** R  
**Prerequisite:** Y

### Algebra II Honors (H)

**Course ID:** 1040.H  
**Description:** Students will engage in a deeper and more rigorous study of Algebra concepts and content. Algebra II and Algebra II Honors cover the same content with the following distinctions: The Algebra II Honors is intended for students that have not taken Algebra II. This course focuses on student understanding and differentiation models that support various learning styles. Prerequisites: Algebra I and Geometry.  
**Grade:** 10-11  
**Credits:** 1  
**Required:** M  
**Prerequisite:** Y
### Algebra II Bilingual (BIL)

**Course ID:** 2130.BIL  
**Description:** This course develops and enriches the students’ home language, culture, and English language proficiency while learning key Algebra II concepts in the English language. This course focuses on student understanding and differentiation models that support various learning styles. **Prerequisites:** Algebra I.  
**Grade:** 10-11  
**Credits:** 1  
**Required:** M  
**Prerequisite:** Y

### Algebra II Accelerated (ACCEL)

**Course ID:** 2130.AC  
**Description:** Students will engage in a deeper and more rigorous study of Algebra concepts and content. Algebra II and Algebra II AC cover the same content with the following distinctions: the Algebra II AC is intended for accelerated students that have not taken Algebra II. This course focuses on student understanding and differentiation models that support various learning styles. **Prerequisites:** Algebra I.  
**Grade:** 10-11  
**Credits:** 1  
**Required:** M  
**Prerequisite:** Y

### Precalculus

**Course ID:** 2230  
**Description:** Content includes the study of functions; exponential, logarithmic, polynomial, rational and trigonometric functions; matrices, systems of equations, and inequalities, trigonometric equations, and conic sections with in-depth analysis of graphing. This course focuses on student understanding and differentiation models that support various learning styles. **Prerequisites:** Algebra I, Geometry and Algebra II.  
**Grade:** 11-12  
**Credits:** 1  
**Required:** M  
**Prerequisite:** Y

### Precalculus Advanced Studies (AS)

**Course ID:** 2230.AS  
**Description:** Students will engage in a deeper and more rigorous study of Algebra concepts and content. Precalculus and Precalculus AS cover the same content with the following distinctions: the Precalculus AS is intended for students that have not taken Precalculus. This course focuses on student understanding and differentiation models that support various learning styles. **Prerequisites:** Algebra I, Geometry and Algebra II.  
**Grade:** 11-12  
**Credits:** 1  
**Required:** M  
**Prerequisite:** Y

### Precalculus Honors (H)

**Course ID:** 2230.H  
**Description:** Students will engage in a deeper and more rigorous study of Algebra concepts and content. Precalculus and Precalculus Honors cover the same content with the following distinctions: The Precalculus Honors is intended for students that have not taken Precalculus. This course focuses on student understanding and differentiation models that support various learning styles. **Prerequisites:** Algebra I, Geometry and Algebra II.  
**Grade:** 11-12  
**Credits:** 1  
**Required:** M  
**Prerequisite:** Y

### Probability and Statistics

**Course ID:** 2400  
**Description:** This course is designed around such key concepts that include collection and multi-representations of data, interpreting, summarizing and comparing data, law of large numbers, measures of variation, simulations and sampling, counting situations (permutations and combinations) and drawing inferences, empirical, theoretical and conditional probability. Additional topics include simple binomial experiments, probability distributions and normal distributions, interpreting confidence intervals, hypothesis testing and the Central Limit Theorem. The course focuses on student understanding and differentiation models that support various learning styles. **Prerequisites:** Algebra I, Geometry and Algebra II.  
**Grade:** 10-12  
**Credits:** 1  
**Required:** M  
**Prerequisite:** Y
## Probability and Statistics Bilingual (BIL)

**Course ID:** 2400.BIL  
**Description:** This course develops and enriches the students' home language, culture, and English language proficiency while learning key Probability and Statistics concepts in the English language. The course focuses on student understanding and differentiation models that support various learning styles. Prerequisites: Algebra I, Geometry and Algebra II.  
**Grade:** 10-12  
**Credits:** 1  
**Required:** M  
**Prerequisite:** Y

## Statistics—Advanced Placement (AP)

**Course ID:** 2400.AP  
**Description:** Content includes a study of four major themes: exploratory analysis; planning and conducting a study; probability; and statistical inference. Technology is integral to the course. Students are expected to participate in the AP exam. This course focuses on student understanding and differentiation models that support various learning styles. Prerequisites: Algebra I, Geometry, Algebra II, and Precalculus.  
**Grade:** 11-12  
**Credits:** 1  
**Required:** M  
**Prerequisite:** Y

## Calculus

**Course ID:** 2250  
**Description:** This course is designed around such key concepts as functions, graphs, limits, differentiation and its applications and anti-differentiation. Additional topics include Riemann Sums, definite integrals, applications of integrals, differential equations and applications of anti-differentiation. Prerequisites: Algebra I, Geometry, Algebra II, and Precalculus.  
**Grade:** 11-12  
**Credits:** 1  
**Required:** M  
**Prerequisite:** Y

## Calculus AB—Advanced Placement (AP)

**Course ID:** 2250.APAB  
**Description:** The Calculus AB course emphasizes a multi-representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. The connections among these representations also are important. Technology plays an essential role. Students are expected to participate in the AP exam. Prerequisites: Algebra I, Geometry, Algebra II, and Precalculus.  
**Grade:** 11-12  
**Credits:** 1  
**Required:** M  
**Prerequisite:** Y

## Calculus BC – Advanced Placement (AP)

**Course ID:** 2251.APBC  
**Description:** Calculus BC is an extension of Calculus AB rather than an enhancement; common topics require a similar depth of understanding. Both courses are intended to be challenging and demanding. Students are expected to participate in the AP exam. Prerequisites: Algebra I, Geometry, Algebra II, and Precalculus.  
**Grade:** 11-12  
**Credits:** 1  
**Required:** M  
**Prerequisite:** Y

## Calculus BC – Advanced Placement (AP)

**Course ID:** 2251.DPAP  
**Description:** This course is a double period course. Calculus BC is an extension of Calculus AB rather than an enhancement; common topics require a similar depth of understanding. Both courses are intended to be challenging and demanding. Students are expected to participate in the AP exam. Prerequisites: Algebra I, Geometry, Algebra II, and Precalculus.  
**Grade:** 11-12  
**Credits:** 1  
**Required:** M  
**Prerequisite:** Y
### Independent Study

**Course ID:** 2465  
**Description:** A specially arranged course for advanced students. This course focuses on student understanding and differentiation models that support various learning styles.  
**Prerequisites:** Algebra I, Geometry, and Algebra II.  
**Grade:** 12  
**Credits:** 1  
**Required:** E  
**Prerequisite:** Y

### Academic Games

**Course ID:** 2450  
**Description:** Academic Games is an elective course. Students use skills in mathematics, language arts, social studies, symbolic logic and higher order thinking. Academic Games utilizes instructional gaming as an effective tool to stimulate and increase student’s ability to think logically and solve problems. This course focuses on student understanding and differentiation models that support various learning styles.  
**Grade:** 9-12  
**Credits:** 1  
**Required:** E  
**Prerequisite:** Y

### Discrete Mathematics

**Course ID:** 2440  
**Description:** This course is an advanced course. Topics focus on representing problem situations using discrete structures such as finite graphs, matrices, sequences and recurrence relations; developing and analyzing algorithms; and solving enumeration and finite probability.  
**Prerequisites:** Algebra I and Algebra II.  
**Grade:** 11-12  
**Credits:** 1  
**Required:** E  
**Prerequisite:** Y

### Applied Geometry

**Course ID:** 2210.DP  
**Description:** Students must be enrolled in the Michigan Architectural Prep Program. This one-semester course is a double period course. This course is geared toward college preparedness and not industry or vocational trades. It is an extension of the Geometry course. The emphasis is on project-based learning that requires students to use their knowledge of geometry in constructing, drawing and producing 2- and 3-dimensional models. Prerequisites: Algebra I and Geometry.  
**Grade:** 11  
**Credits:** 1  
**Required:** M  
**Prerequisite:** Y
**Special Education Program (Mathematics)**

The courses listed below are intended for *special education students only*. Students enrolled in these courses must have an IEP. For course descriptions, go to the section for the Office of Specialized Student Services.

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Course Code</th>
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<td>Career Mathematics 2</td>
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<td>Career Mathematics 4</td>
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<tr>
<td>Fundamental Algebra I</td>
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<td>Algebra I</td>
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<td>Fundamental Algebra II</td>
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<td>Algebra II</td>
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<td>Algebra Lab</td>
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<td>Informal Geometry</td>
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<td>Remedial Mathematics Semester 2</td>
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**SCIENCE**

**Biology**

**Course ID:** 3020  
**Description:** Using the MDE, High School Content Expectations (HSCE), with an emphasis on the Priority Expectations this laboratory science course investigates Processes of Living Things, Biochemical Cycles, and Cellular mechanisms that maintain homeostasis. Inquiry standards are taught in the context of Stable Internal Environments, Photosynthesis and Respiration Mitosis and Meiosis, Heredity, Organization of Living Things, Evolution.  
**Grade:** 9  
**Credits:** 1  
**Required:** R  
**Prerequisite:** O

**Biology Honors**

**Course ID:** 3020.H  
**Description:** Laboratory science course that fulfills the requirements of Biology I (3020), investigates Processes of Living Things, Biochemical Cycles, and Cellular mechanisms that maintain homeostasis. Inquiry, standards are included in this course. Students are engaged in additional laboratory investigations, and in-depth coverage of biological concepts through project-based activities.  
**Grade:** 9  
**Credits:** 1  
**Required:** M  
**Prerequisite:** O

**Chemistry**

**Course ID:** ???  
**Description:** Using the MDE High School Content Expectations (HSCE), with an emphasis on the Priority Expectations, this laboratory science course investigates atomic structure, stoichiometry, advanced bonding, thermodynamics, redox/equilibrium, and states of matter.  
**Grade:** 10-12  
**Credits:** 1  
**Required:** R  
**Prerequisite:** O

**Biology AP**

**Course ID:** 3020 AP  
**Description:** A year-long laboratory science course is designed to be equivalent to a two-semester college introductory biology course usually taken by biology majors during their first year. This is an elective science course for students who are highly motivated with a strong interest in science. Major topics of study include biochemistry, cells, cellular energetics, genetics, evolution, classification, organism structure/function and ecology. At the completion of this course, students are expected to take the College Board’s AP Biology exam and will receive college credit if they earn the required score determined by the College Board.  
**Grade:** 9-10  
**Credits:** 1  
**Required:** M  
**Prerequisite:** O

**Microbiology**

**Course ID:** 3100  
**Description:** Using the, the Michigan Biology High School content Expectations (HSCE), and the Framework for K-12 Science Education, this year-long elective collegiate lecture/laboratory course investigates microscopic organisms, viruses and other microbes. Inquiry standards are taught in the context of diseases, environmental and industrial ethics issues and applications. Biology should be taken as a prerequisite.  
**Grade:** 10-12  
**Credits:** 1  
**Required:** E  
**Prerequisite:** Y
Chemistry AP
Course ID: ????
Description: A year-long laboratory science course is designed to be equivalent to a two-semester college introductory Chemistry course usually taken by Science majors during their first year. This is an elective science course for students who are highly motivated with a strong interest in science. Major topics of study include atomic structure, stoichiometry, advanced bonding, thermodynamics, redox/equilibrium, and states of matter. At the completion of this course, students are expected to take the College Board’s AP Biology exam and will receive college credit if they earn the required score determined by the College Board.
Grade: 9-10
Credits: 1
Required: M
Prerequisite: O

Earth Science Honors
Course ID: 3121
Description: This laboratory course fulfills the requirements of Earth Science 1 (3120) by exploring and reinforcing the interconnectedness between the physical, chemical and biological processes of the Earth System, incorporating essential and core content expectations. Students will engage in additional laboratory investigations, and in-depth coverage of Earth Science concepts through project-based activities.
Grade: 10-12
Credits: 1
Required: E
Prerequisite: Y

Physiology and Anatomy
Course ID: 3110
Description: A year-long elective collegiate lecture/laboratory course that provides students an in-depth examination of the structures (Anatomy) and functions (Physiology) of the human body, Inquiry standards are used to provide an overview of the human body followed by examinations of the various organs and systems. All instructional pedagogy and student engagement are directly related to real world applications with emphasis on health, medical condition, physical activity, and sports. Student multimedia project-based research and presentations demonstrate student depth of knowledge of the above concepts.
Grade: 11-12
Credits: 1
Required: E
Prerequisite: O

Earth Science
Course ID: 3120
Description: This laboratory course explores and reinforces the interconnectedness between the physical, chemical and biological processes of the Earth System incorporating a blend of essential and core content expectations, in the context of inquiry. This course is based on the MDE High School Content Expectations (HSCE), with a focus on the Priority Expectations.
Grade: 10-12
Credits: 1
Required: E
Prerequisite: O

Physics
Course ID: 3580
Description: In this laboratory science course, students examine the relationship between matter and energy and how they interact and experience the importance and applicability of this interaction. Using foundational concepts of physics and basic Algebra I skills, students solve real-life problems. Inquiry standards are taught with a focus on Motion of Objects and Forces and Motion, Electricity and Magnetism. Content areas include: physics process skills, mechanics and thermodynamics. This course is based on the MDE High School Content Expectations (HSCE), with a focus on the Priority Expectations.
Grade: 11-12
Credits: 1
Required: M
Prerequisite: O

Physics B-AP
Course ID: 3583
Description: This course provides a systematic introduction to the main principles of physics and emphasizes the development of conceptual understanding and problem-solving ability using algebra and trigonometry. The B course provides a foundation in physics for students in the life sciences, premedicine and other fields not directly related to science. At the completion of this course, students are expected to take the College Board’s AP Physics B exam. Students will receive college credit if they earn the required score determined by the College Board.
Grade: 11-12
Credits: 1
Required: M
Prerequisite: Y
Physics C AP
Course ID: 3584
Description: This course serves as the foundation in physics for students majoring in physical sciences or engineering. The course is more intensive and Physics B with strong emphasis placed on solving challenging problems (requiring calculus), related to Mechanics, electricity and magnetism. At the completion of this course, students are expected to take the College Board’s AP C Physics exam. Students will receive college credit if they earn the required score determined by the College Board.
Grade: 11-12
Credits: 1
Required: M
Prerequisite: Y

Environmental Science
Course ID: 3055
Description: This one-semester laboratory-based science course explores topics on the interactions of humans, other living organisms, and the environment. Content areas include ecology, biotechnology, population, biodiversity, conservation, natural resources and the human impact on the earth and human health. This course is intended to be the other half of the year to Environmental Science.
Grade: 10-12
Credits: 5
Required: E
Prerequisite: O

Scientific Research
Course ID: 3700
Description: Using the Inquiry, Reflection and Social Implications High School Content essential and core Standards, students develop basic research techniques. This course is designed for students with an interest in science for the purpose of developing their knowledge and skills in independent scientific study and research. Students will learn to develop a research plan based on a specific problem, develop and implement an investigation, collect and analyze information and data, and formulate conclusion(s) based on collected data. As a culminating activity, students will write a research paper and present their project at the Science and Engineering Fair of Metro Detroit.
Grade: 11-12
Credits: 5+
Required: E
Prerequisite: Y

Pre-College Engineering 1 (3620)
Pre-College Engineering 1 (3630)
Course ID: 3620, 3630
Description: As a Detroit Public School Partner, the DAPCEP In-School Program applies best practices teaching and learning methodologies to insure that In-School program students successfully complete the DAPCEP STEM outcome based curriculum. The curriculum incorporates the following:
- Engineering/Technology Activities
- Multicultural enrichment and research
- Research Skill Development
- Science Fair Research, Experimentation and Presentation
The curriculum is taught in interactive classrooms that teach, apply and extend concepts inherent to science, technology, engineering and mathematics. Extra curricular activities such as educational trips, interaction with engineering professionals and science fair competition reinforce the curriculum and allow the students to demonstrate developed ability. Pre- and post-test results are evaluated for all participating in School Program students.
NOTE: DAPCEP course must be taught by a qualified DAPCEP teacher.
Grade: 9-12
Credits: see school counselor
Required: E
Prerequisite: O
### Forensics

**Course ID:**

**Description:** This one-semester inquiry-based science course provides students with a basic understanding of Crime Scene Investigation. Skills include: collecting biological evidence, ethics, fingerprint identification system, forensic photography, hair evaluation and DNA analysis. This course is intended to be the other half of the year to Environmental Science.

**Grade:** 10-12  
**Credits:** .5+  
**Required:** E  
**Prerequisite:** 0  

**NOTE:** This course is intended as a one semester course with Environmental Science as the other semester to complete the year of Science.

### Astronomy

**Course ID:** 3800

**Description:** Introduction to the universe, with emphasis on conceptual, as contrasted with mathematics comprehension. Modern theories, observations, ideas concerning nature, evolution of galaxies, quasars, stars, black holes, planets, solar system will be explored.

**Grade:** 11-12  
**Credits:** 1  
**Required:** E  
**Prerequisite:** O

### Astronomy Exploration

**Course ID:** 3810

**Description:** An introduction to a lecture-laboratory course that includes topics about the solar system and stellar astronomy. Lab exercises emphasize topics such as the nature and properties of light, heat, mechanics, astronomical data analysis and/or computer simulations. Lab included.

**Grade:** 11-12  
**Credits:** 1  
**Required:** E  
**Prerequisite:** O

### Science of Wellness

**Course ID:** 3012

**Description:** This course provides an introduction to the field of public health sciences through exiting “hands-on” projects and problems. Student work involves the study of human medicine, epidemiology, food chemistry, research processes and an introduction to public health and policy. A theme throughout the course is to determine the factors that lead to the obesity epidemic in the USA and for students to practice healthy lifestyles as they grow into healthy adults. Students investigate lifestyle choices and medical treatments, heart-healthy lifestyles, diabetes, with hopes of reducing their future risk of cardiovascular disease and diabetes.

**Grade:** 9-12  
**Credits:** .5  
**Required:** E  
**Prerequisite:** O

### Next Generation Science

**Course ID:** 3010.NGS (YEAR LONG), 3010.NGS1, and 3010.NGS (SEMESTER)

**Description:** This is a yearlong course divided into semesters. First semester will cover Earth Science and second semester will cover Physical Science. The course is designed to serve as a solid foundation for our students taking later courses in biology, chemistry and physics. Through inquiry methods the students will learn how to graph and analyze data.

**Grade:** 9  
**Credits:** 1  
**Required:** E  
**Prerequisite:** O
SOCIAL STUDIES: HISTORY, SOCIETY AND CULTURE

United States History and Geography 1770-Present
Course ID: 1842
Description: Focuses on the post-Civil War Industrial Age through the present day. Students gain broader awareness of major political, philosophical, and historical underpinnings of our government, which they use to analyze how ideas of freedom and equality have shaped our collective past and explore implications for the future. Within this framework, major geographic themes are infused using historical context.
Grade: 9
Credits: 1
Required: R
Prerequisite: 0

Economics
Course ID: 1630
Description: This one semester course helps students understand how economic issues affect their lives and society, and develops the components of wise consumer habits.
Grade: 10
Credits: .5
Required: R
Prerequisite: 0

Civics
Course ID: 1590
Description: This one semester course deepens students' knowledge of the workings of government, the role of citizens in American society, and prepares them to make reasoned judgments on public policy and become active in civic life.
Grade: 10
Credits: .5
Required: R
Prerequisite: 0

World History and Geography
Course ID: 1800
Description: Develops in students an understanding of the development of the world's cultures, societies, people, events, and interactions among people and the environment, using time and space to examine global, interregional and regional interconnectedness.
Grade: 11
Credits: 1
Required: R
Prerequisite: 0

African American History
Course ID: 1880
Description: Explores the unique African heritage and culture that have influenced the lives of African Americans in the Diaspora. Emphasis is on a greater awareness of the role of African Americans in the development of America and the United States history.
Grade: 9-11
Credits: 1
Required: E
Prerequisite: 0

African Studies
Course ID: 1600
Description: This course will familiarize students with the geography, culture and history of the various African societies from ancient times, and enhance their knowledge of impending implications for today's Africans.
Grade: 10-12
Credits: 1
Required: E
Prerequisite: 0

Basic Law
Course ID: 1528
Description: Provides students with basic knowledge of the law, judicial process, and their rights and responsibilities.
Grade: 9-11
Credits: 1
Required: E
Prerequisite: 0
Criminal Justice
Course ID: 1535
Description: Provides an overview of the administration of criminal justice and the history and philosophy of agencies that comprise the criminal justice system in the United States.
Grade: 10-12
Credits: 1
Required: E
Prerequisite: 0

Student Government
Course ID: 1591
Description: This program will prepare students to become knowledgeable and active citizens and leaders within our community. The program will provide students a practice forum for parliamentary procedures, where they can critically dialogue on various issues which affect our schools and community, develop and improve leadership skills, and actively participate in solving real community problems through various Service Learning Projects.
Grade: 10-12
Credits: 1
Required: E
Prerequisite: 0

Ethnic Studies
Course ID: 1617
Description: Study of selected cultures and immigrant groups and their experiences in America.
Grade: 10-12
Credits: 1
Required: E
Prerequisite: 0

Latin American History
Course ID: 1910
Description: Students will explore the history and culture of South and Central America, and Mexico from the pre-Columbian Era to the present. Special emphasis will be placed on the contributions of Olmec, Mayan, Aztec and Incan civilizations.
Grade: 10-12
Credits: 1
Required: E
Prerequisite: 0

Living Skills and Character Education
Course ID: 1940
Description: Supports development of responsible citizens. Self-discipline, conflict resolutions, good communication, personal finance, basic law, education/career planning and social skills will be taught in this course.
Grade: 10-12
Credits: 1
Required: E
Prerequisite: 0

Psychology
Course ID: 1650
Description: Surveys the basic theories and principles of elementary psychology that focus on social behavior, personality, research methods, designing reports, and analyzing theories and concepts.
Grade: 10-12
Credits: 1
Required: E
Prerequisite: 0

Sociology
Course ID: 1700
Description: This one semester course is designed to introduce students to the study of society. Special attention will be given to the nature of culture and the role it plays for individual and for society, social interaction, social nature, groups, deviance as a social construct relative to time, place and social circumstances, functions and structure of social institutions, social problems, and how society changes.
Grade: 10-12
Credits: 1
Required: E
Prerequisite: 0

Test Taking Strategies
Course ID: 1935
Description: This one semester course prepares students to achieve higher scores on standardized tests. It is designed to assist students in the mastery of proper study skills, test taking techniques, and wise choices.
Grade: 10-11
Credits: .5
Required: E
Prerequisite: 0
Government and Politics—U.S. A.P.

**Course ID:** 1960  
**Description:** Students will strengthen familiarity with institutions, groups, beliefs and ideas that constitute U.S. politics. The course will employ analytic perspectives on U.S. government and policies using specific case studies. Students are expected to take the A.P. Exam.  
**Grade:** 9-12  
**Credits:** .5  
**Required:** E  
**Prerequisite:**

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U.S. History—A.P.

**Course ID:** 1901 (1) 1909 (2)  
**Description:** This course will focus on critical examination of the development of the U.S., its relationship with other nations, and the responsibilities and challenges created by its size, wealth and complexity. Students are expected to take the A.P. Exam.  
**Grade:** 10-12  
**Credits:** 1  
**Required:** E  
**Prerequisite:** Y

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Government and Politics Comparative—A.P.

**Course ID:** 1961  
**Description:** Students gain deeper knowledge of the world’s diverse political structures and practices. Specific case studies such as Great Britain, China, France, the Soviet Union, India, Mexico, and Nigeria will be used to distinguish the various structures. Students are expected to take the A.P. Exam.  
**Grade:** 10-12  
**Credits:** 1  
**Required:** E  
**Prerequisite:** Y

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Macroeconomics—A.P.

**Course ID:** 1962  
**Description:** Students will strengthen their understanding of the principles of economics that deals with performance, governments and the economy, and the global economy. Students are expected to take the A.P. Exam.  
**Grade:** 10-12  
**Credits:** 1  
**Required:** E  
**Prerequisite:** Y

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Microeconomics—A.P.

**Course ID:** 1963  
**Description:** Students will learn the principles of economics that apply to how markets work, business and labor, and money, banking and finance. Students are expected to take the A.P. Exam.  
**Grade:** 10-12  
**Credits:** .5  
**Required:** E  
**Prerequisite:** Y

---

World History—A.P.

**Course ID:** 1800 (AP)  
**Description:** Develops in students a greater understanding of the development of the world’s cultures, societies, people, events, and interactions among people and the environment, using time and space to examine global, interregional and regional interconnectedness. Students are expected to take the A.P. Exam.  
**Grade:** 10-12  
**Credits:** 1  
**Required:** E  
**Prerequisite:** Y
GEOGRAPHIC INFORMATION SYSTEMS IN SOCIAL STUDIES

ArcGIS Desktop 1: Tools and Functionality (10.0)

**Course ID:** 1625.Y  
**Description:** In this course, you will acquire fundamental skills needed to author, share, and use geographic information and maps across the ArcGIS system. You will learn how to efficiently find, explore, manage, and analyze geographic data and create informative maps that showcase your work. The course covers a variety of techniques to effectively share GIS maps and resources with decision makers, stakeholders, and the public.

**Grade:** 9-12  
**Credits:** .5  
**Required:** E  
**Prerequisite:**

ArcGIS Desktop 2: Tools and Functionality (10.0)

**Course ID:**  
**Description:** In this course, you will acquire fundamental skills needed to author, share, and use geographic information and maps across the ArcGIS system. You will learn how to efficiently find, explore, manage, and analyze geographic data and create informative maps that showcase your work. The course covers a variety of techniques to effectively share GIS maps and resources with decision makers, stakeholders, and the public.

**Grade:** 9-12  
**Credits:** .5  
**Required:** E  
**Prerequisite:** GSI 1
**SPECIALIZED STUDENT SERVICES**

**English 9 Resource Room**

**Course ID:** 10008

**Description:** English 9 Resource Room will cover the same content as English 9 with the following distinctions: In the English 9 resource room instruction is delivered to a student with an Individualized Educational Plan. It is for the student who requires some special instruction in an individualized or small group setting. Individual needs are supported in resource rooms as defined by the student’s IEP inclusive of accommodations. This course focuses on student understanding and differentiation models that support various learning styles. Students enrolled in English 9 resource room will meet the necessary requirements to receive a high school diploma and will receive instruction from a Special Education Instructor Highly Qualified in English.

**Grade:** 9

**Credits:** 1

**Required:** Y

**Prerequisite:** N

**Freshman Seminar Resource Room**

**Course ID:** 10018

**Description:** Freshman Seminar Resource Room will cover the same content as Freshman Seminar with the following distinctions: In Freshman Seminar Resource Room, instruction is delivered to a student with an Individualized Education Plan. It is for the student who requires some special instruction in an individualized or small group setting. Individual needs are supported in resource rooms as defined by the student’s IEP inclusive of accommodations. This course focuses on student understanding and differentiation models that support various learning styles. Students enrolled in Freshman Seminar Resource Room will meet the necessary requirements to receive a high school diploma and will receive instruction from a Special Education Instructor.

**Grade:** 9

**Credits:** 1

**Required:** Y

**Prerequisite:** N

**English 10 Resource Room**

**Course ID:** 10208

**Description:** English 10 Resource Room will cover the same content as English 10 with the following distinctions: In the English 10 Resource Room instruction is delivered to a student with an Individualized Educational Plan. It is for the student who requires some special instruction in an individualized or small group setting. Individual needs are supported in resource rooms as defined by the student’s IEP inclusive of accommodations. This course focuses on student understanding and differentiation models that support various learning styles. Students enrolled in English 10 resource room will meet the necessary requirements to receive a high school diploma and will receive instruction from a Special Education Instructor Highly Qualified in English.

**Grade:** 10

**Credits:** 1

**Required:** Y

**Prerequisite:** Y

**English 11 Resource Room**

**Course ID:** 10408

**Description:** English 11 Resource Room will cover the same content as English 11 with the following distinctions: In the English 11 resource room instruction is delivered to a student with an Individualized Educational Plan. It is for the student who requires some special instruction in an individualized or small group setting. Individual needs are supported in resource rooms as defined by the student’s IEP inclusive of accommodations. This course focuses on student understanding and differentiation models that support various learning styles. Students enrolled in English 11 resource room will meet the necessary requirements to receive a high school diploma and will receive instruction from a Special Education Instructor Highly Qualified in English.

**Grade:** 11

**Credits:** 1

**Required:** Y

**Prerequisite:** Y
English 12 Resource Room

Course ID: 10608

Description: English 12 Resource Room will cover the same content as English 12 with the following distinctions: In the English 12 resource room instruction is delivered to a student with an Individualized Educational Plan. It is for the student who requires some special instruction in an individualized or small group setting. Individual needs are supported in resource rooms as defined by the student’s IEP inclusive of accommodations. This course focuses on student understanding and differentiation models that support various learning styles. Students enrolled in English 12 resource room will meet the necessary requirements to receive a high school diploma and will receive instruction from a Special Education Instructor Highly Qualified in English

| Grade:   | 12 |
| Credits: | 1  |
| Required: | Y  |
| Prerequisite: | Y  |
SPECIALIZED STUDENT SERVICES ENGLISH
CERTIFICATE OF COMPLETION AND CENTER
BASE COURSES

English Language Arts 9
Course ID: 10007
Description: English 9 Certificate of Completion Track will cover the same content as English 9 with the following distinctions: In the English 9 Certificate of Completion Track instruction is delivered to a student with an Individualized Educational Plan. It is for the student who requires significant modifications and accommodations so much that it alters the content being delivered. Instruction is in an individualized or small group setting. Individual needs are supported by the student’s IEP and geared for students working at functional, participation, or supported level. This course focuses on student understanding and differentiation models that support various learning styles. This course will not meet the necessary requirements for MME diploma. Students will earn a certificate of completion.
Grade: 9
Credits: 1
Required: Y
Prerequisite: N

Freshman Seminar
Course ID: 10017
Description: Freshman Seminar Certificate of Completion Track will cover the same content as Freshman Seminar with the following distinctions: In the Freshman Seminar Certificate of Completion Track instruction is delivered to a student with an Individualized Educational Plan. It is for the student who requires significant modifications and accommodations so much that it alters the content being delivered. Instruction is in an individualized or small group setting. Individual needs are supported by the student’s IEP and geared for students working at functional, participation, or supported level. This course focuses on student understanding and differentiation models that support various learning styles. This course will not meet the necessary requirements for MME diploma. Students will earn a certificate of completion.
Grade: 9
Credits: 1
Required: Y
Prerequisite: N

English Language Arts 10
Course ID: 10207
Description: English 10 Certificate of Completion Track will cover the same content as English 10 with the following distinctions: In the English 10 Certificate of Completion Track instruction is delivered to a student with an Individualized Educational Plan. It is for the student who requires significant modifications and accommodations so much that it alters the content being delivered. Instruction is in an individualized or small group setting. Individual needs are supported by the student’s IEP and geared for students working at functional, participation, or supported level. This course focuses on student understanding and differentiation models that support various learning styles. This course will not meet the necessary requirements for MME diploma. Students will earn a certificate of completion.
Grade: 10
Credits: 1
Required: Y
Prerequisite: Y

English Language Arts 11
Course ID: 10407
Description: English 11 Certificate of Completion Track will cover the same content as English 11 with the following distinctions: In the English 11 Certificate of Completion Track instruction is delivered to a student with an Individualized Educational Plan. It is for the student who requires significant modifications and accommodations so much that it alters the content being delivered. Instruction is in an individualized or small group setting. Individual needs are supported by the student’s IEP and geared for students working at functional, participation, or supported level. This course focuses on student understanding and differentiation models that support various learning styles. This course will not meet the necessary requirements for MME diploma. Students will earn a certificate of completion.
Grade: 11
Credits: 1
Required: Y
Prerequisite: Y
English Language Arts 12

Course ID: 10607

Description: English 12 Certificate of Completion Track will cover the same content as English 12 with the following distinctions: In the English 12 Certificate of Completion Track instruction is delivered to a student with an Individualized Educational Plan. It is for the student who requires significant modifications and accommodations so much that it alters the content being delivered. Instruction is in an individualized or small group setting. Individual needs are supported by the student’s IEP and geared for students working at functional, participation, or supported level. This course focuses on student understanding and differentiation models that support various learning styles. This course will not meet the necessary requirements for MME diploma. Students will earn a certificate of completion.

Grade: 12
Credits: 1
Required: Y
Prerequisite: Y

Functional Communication

Course ID: 11184, 11287, 11387, 11487, 11587, 11687, 11787, 11987

Description: This ELA course of study is designed to assist the limited language user to develop expressive and receptive, auditory and visual communication skills in order to communicate effectively with others. This may be accomplished with or without accommodations and/or assistive technology. This course may be individualized for students working at functional, participation, or supported level. This course focuses on student understanding and differentiation models that support various learning styles and individualized educational plans. Students will earn a certificate of completion.

Grade: 9-13
Credits: 1
Required: N
Prerequisite: N

Phonics

Course ID: 12887

Description: This course will utilize the art of correlating sounds with letters or groups of letters in an alphabetic writing system to increase reading skills. Students will earn a certificate of completion.

Grade: 9-13
Credits: 1
Required: N
Prerequisite: N

Writing Improvement Semester 1 and 2

Course ID: 14107

Description: This course is designed to improve written communication skills and assist students in their course work and career pathways. Individual needs are supported through the students Individualized Educational Plan (IEP). This course will focus on writing for purpose, writing process, spatial organization, and technical writing for skills. Students enrolled in this course are on track to receive a certificate of completion.

Grade: 9-13
Credits: 1
Required: N
Prerequisite: N

Remedial Reading

Course ID: 14257, 14357, 14457, 14657

Description: This course is designed to meet the individual needs of student’s individualized educational plans reading goals. The emphasis is on developing competence in reading across the core academic areas and survival life skills. Students should expect to receive direct instruction in skill development, reading, grammar, and vocabulary. This course is designed for students receiving instruction at the functional, participation or supported level of instruction. Students enrolled in this course are on track to receive a certificate of completion.

Grade: 9-13
Credits: 1
Required: N
Prerequisite: N
# SPECIALIZED STUDENT SERVICES MATHEMATICS

## Algebra I Resource Room

**Course ID:** 21108  
**Description:** Algebra I Resource Room will cover the same content as Algebra I with the following distinctions: In the Algebra I Resource Room, instruction is delivered to a student with an Individualized Educational Plan. It is for the student who requires some special instruction in an individualized or small group setting. Individual needs are supported in resource rooms as defined by the student’s IEP inclusive of accommodations. This course focuses on student understanding and differentiation models that support various learning styles. Students enrolled in Algebra I Resource Room will meet the necessary requirements to receive a high school diploma and will receive instruction from a Special Education Instructor Highly Qualified in Mathematics.  
**Grade:** 9  
**Credits:** 1  
**Required:** Y  
**Prerequisite:** N

## Geometry Resource Room

**Course ID:** 22008  
**Description:** Geometry Resource Room will cover the same content as Geometry with the following distinctions: In the Geometry Resource Room, instruction is delivered to a student with an Individualized Educational Plan. It is for the student who requires some special instruction in an individualized or small group setting. Individual needs are supported in resource rooms as defined by the student’s IEP inclusive of accommodations. This course focuses on student understanding and differentiation models that support various learning styles. Students enrolled in Geometry Resource Room will meet the necessary requirements to receive a high school diploma and will receive instruction from a Special Education Instructor Highly Qualified in Mathematics.  
**Grade:** 10  
**Credits:** 1  
**Required:** Y  
**Prerequisite:** Y

## Algebra Lab Resource Room

**Course ID:** 21618  
**Description:** Algebra Lab Resource Room will cover the same content as Algebra Lab with the following distinctions: In the Algebra Lab, instruction is delivered to a student with an Individualized Educational Plan. It is for the student who requires some special instruction in an individualized or small group setting. Individual needs are supported in resource rooms as defined by the student’s IEP inclusive of accommodations. This course focuses on student understanding and differentiation models that support various learning styles. Students enrolled in Algebra Lab Resource Room will meet the necessary requirements to receive a high school diploma.  
**Grade:** 9  
**Credits:** 1  
**Required:** N  
**Prerequisite:** N

## Algebra II Resource Room

**Course ID:** 21308  
**Description:** Algebra II Resource Room will cover the same content as Algebra II with the following distinctions: In the Algebra II Resource Room, instruction is delivered to a student with an Individualized Educational Plan. It is for the student who requires some special instruction in an individualized or small group setting. Individual needs are supported in resource rooms as defined by the student’s IEP inclusive of accommodations. This course focuses on student understanding and differentiation models that support various learning styles. Students enrolled in Algebra II Resource Room will meet the necessary requirements to receive a high school diploma and will receive instruction from a Special Education Instructor Highly Qualified in Mathematics.  
**Grade:** 11  
**Credits:** 1  
**Required:** Y  
**Prerequisite:** Y
Probability and Statistics

**Course ID:** 24008

**Description:** Probability and Statistics Resource Room will cover the same content as Probability and Statistics with the following distinctions: In the Probability and Statistics Resource Room, Instruction is delivered to a student with an Individualized Educational Plan. It is for the student who requires some special instruction in an individualized or small group setting. Individual needs are supported in resource rooms as defined by the student’s IEP inclusive of accommodations. This course focuses on student understanding and differentiation models that support various learning styles. Students enrolled in Probability and Statistics Resource Room will meet the necessary requirements to receive a high school diploma and will receive instruction from a Special Education Instructor Highly Qualified in Mathematics.

| Grade: | 12 |
| Credits: | 1 |
| Required: | Y |
| Prerequisite: | Y |
**OFFICE OF SPECIALIZED STUDENT SERVICES**  
**MATHEMATICS CERTIFICATE OF COMPLETION AND CENTER BASE COURSES**

### Fundamental Algebra I

**Course ID:** 21107  
**Description:** Fundamental Algebra I Certificate of Completion Track will cover the same content as Algebra I with the following distinctions: In the Fundamental Algebra I Certificate of Completion Track instruction is delivered to a student with an Individualized Education Plan. It is for the student who requires significant modifications and accommodations so much that it alters the content being delivered. Instruction is an individualized or small group setting. Individual needs are supported by the student’s IEP and geared for students working at functional, participation, or supported level. This course focuses on student understanding and differentiation models that support various learning styles. This course will not meet the necessary requirements for MME Diploma. Students will earn a certificate of completion.

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### Fundamental Algebra II

**Course ID:** 21307  
**Description:** Fundamental Algebra II Certificate of Completion Track will cover the same content as Algebra II with the following distinctions: In the Fundamental Algebra II Certificate of Completion Track instruction is delivered to a student with an Individualized Education Plan. It is for the student who requires significant modifications and accommodations so much that it alters the content being delivered. Instruction is an individualized or small group setting. Individual needs are supported by the student’s IEP and geared for students working at functional, participation, or supported level. This course focuses on student understanding and differentiation models that support various learning styles. This course will not meet the necessary requirements for MME Diploma. Students will earn a certificate of completion.

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<td>11-12</td>
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### Informal Geometry

**Course ID:** 22007  
**Description:** Informal Geometry Certificate of Completion Track will cover the same content as Geometry with the following distinctions: In the Geometry Certificate of Completion Track instruction is delivered to a student with an Individualized Educational Plan. It is for the student who requires significant modifications and accommodations so much that it alters the content being delivered. Instruction is in an individualized or small group setting. Individual needs are supported by the student’s IEP and geared for students working at functional, participation, or supported level. This course focuses on student understanding and differentiation models that support various learning styles. This course will not meet the necessary requirements for MME Diploma. Students will earn a certificate of completion.

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### Probability and Statistics

**Course ID:** 24007  
**Description:** Probability and Statistics Certificate of Completion Track will cover the same content as Probability and Statistics with the following distinctions: In the Probability and Statistics Certificate of Completion Track instruction is delivered to a student with an Individualized Education Plan. It is for the student who requires significant modifications and accommodations so much that it alters the content being delivered. Instruction is an individualized or small group setting. Individual needs are supported by the student’s IEP and geared for students working at functional, participation, or supported level. This course focuses on student understanding and differentiation models that support various learning styles. This course will not meet the necessary requirements for MME Diploma. Students will earn a certificate of completion.

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Career Mathematics

Course ID: 20047, 20107, 20297, 20307
Description: This course will enable students to apply the mathematics skills they have learned in real life applications. Students will review basic mathematics operations. They will learn mathematics life skills: money and banking concepts, financial home, management/maintenance, entertainment/clothing budget, taxes, nutrition, fitness numbers, measurements and mathematics in various careers. This course will be individualized to fit the needs of the student according to their IEP and transition goals. Generally students taking this course will receive a certificate of completion.
Grade: 9-13
Credits: 1
Required: N
Prerequisite: N

Functional Mathematics 3 and 4

Course ID: 22487 and 22587
Description: This course will provide instruction in mathematics concepts and procedures for students working at functional, participation, and supported level. Emphasis will be placed on real life mathematics skills that will prepare students to participate effectively in post-secondary adult living and in the world of work. This course is for students who will receive a certificate of completion and does not meet the requirements for Michigan Merit Curriculum.
Grade: 9-13
Credits: 1
Required: N
Prerequisite: N

Functional Mathematics 5 and 6

Course ID: 22687 and 22787
Description: This course is designed to reinforce the concepts from Functional Mathematics 1-4 and to prepare students for the use of mathematics in post-secondary work and life for students working at functional, participation, and supported level. This course is for students who will receive a certificate of completion and does not meet the requirements for Michigan Merit Curriculum.
Grade: 9-13
Credits: 1
Required: N
Prerequisite: N

Functional Mathematics 7 and 8

Course ID: 22887 and 22987
Description: This course is designed to reinforce the concepts from Functional Mathematics 1-6 and to prepare students for the use of mathematics in post-secondary work and life for students who will receive a certificate of completion and does not meet the requirements for Michigan Merit Curriculum.
Grade: 9-13
Credits: 1
Required: N
Prerequisite: N

Remedial Mathematics

Course ID: 24827
Description: This course will cover basic mathematics operations. It will be individualized to fit the needs of the student according to their IEP and transition goals. Generally students taking this course will receive a certificate of completion.
Grade: 9-13
Credits: 1
Required: N
Prerequisite: N

Functional Mathematics 1 and 2

Course ID: 22287 and 22387
Description: This course is designed to teach and reinforce number and operation concepts, basic mathematics skills in order to prepare students for future mathematics courses and mathematics in everyday life for students working at functional, participation, and supported level. This course is for students who will receive a certificate of completion and does not meet the requirements for Michigan Merit Curriculum.
Grade: 9-13
Credits: 1
Required: N
Prerequisite: N
US History and Geography

Course ID: 18427

Description: US History and Geography Certificate of Completion Track will cover the same content of US History and Geography with the following distinctions: In the US History and Geography Certificate of Completion Track instruction is delivered to a student with an Individualized Educational Plan. It is for the student who requires significant modifications and accommodations so much that it alters the content being delivered. Instruction is in an individualized or small group setting. Individual needs are supported by the student’s IEP and geared for students working at functional, participation, or supported level. This course focuses on student understanding and differentiation models that support various learning styles. This course will not meet the necessary requirements for MME Diploma. Students will earn a certificate of completion.

Grade: 9
Credits: 1
Required: Y
Prerequisite: N

Economics

Course ID: 16307

Description: Economics Certificate of Completion Track will cover the same content of Economics with the following distinctions: In the Economics Certificate of Completion Track instruction is delivered to a student with an Individualized Educational Plan. It is for the student who requires significant modifications and accommodations so much that it alters the content being delivered. Instruction is in an individualized or small group setting. Individual needs are supported by the student’s IEP and geared for students working at functional, participation, or supported level. This course focuses on student understanding and differentiation models that support various learning styles. This course will not meet the necessary requirements for MME Diploma. Students will earn a certificate of completion.

Grade: 10
Credits: 1
Required: Y
Prerequisite: N

Civics

Course ID: 15907

Description: Civics Certificate of Completion Track will cover the same content of Civics with the following distinctions: In the Civics Certificate of Completion Track instruction is delivered to a student with an Individualized Educational Plan. It is for the student who requires significant modifications and accommodations so much that it alters the content being delivered. Instruction is in an individualized or small group setting. Individual needs are supported by the student’s IEP and geared for students working at functional, participation, or supported level. This course focuses on student understanding and differentiation models that support various learning styles. This course will not meet the necessary requirements for MME Diploma. Students will earn a certificate of completion.

Grade: 9
Credits: 1
Required: Y
Prerequisite: N

World History and Geography

Course ID: 18447

Description: World History and Geography Certificate of Completion Track will cover the same content of World History and Geography with the following distinctions: In the World History and Geography Certificate of Completion Track instruction is delivered to a student with an Individualized Educational Plan. It is for the student who requires significant modifications and accommodations so much that it alters the content being delivered. Instruction is in an individualized or small group setting. Individual needs are supported by the student’s IEP and geared for students working at functional, participation, or supported level. This course focuses on student understanding and differentiation models that support various learning styles. This course will not meet the necessary requirements for MME Diploma. Students will earn a certificate of completion.

Grade: 11
Credits: 1
Required: Y
Prerequisite: Y
African American History

Course ID: 18807

Description: African American History Certificate of Completion Track will cover the same content of African American History with the following distinctions: In the African American History Certificate of Completion Track instruction is delivered to a student with an Individualized Educational Plan. It is for the student who requires significant modifications and accommodations so much that it alters the content being delivered. Instruction is in an individualized or small group setting. Individual needs are supported by the student’s IEP and geared for students working at functional, participation, or supported level. Students will earn a certificate of completion.

Grade: 9-13

Credits: 1

Required: N

Prerequisite: N
SPECIALIZED STUDENT SERVICES, SCIENCE CERTIFICATE OF COMPLETION AND CENTER BASE COURSES

General Biology
Course ID: 30207  
Description: General Biology Certificate of Completion Track will cover the same content of Biology with the following distinctions: In the Biology Certificate of Completion Track instruction is delivered to a student with an Individualized Educational Plan. It is for the student who requires significant modifications and accommodations so much that it alters the content being delivered. Instruction is in an individualized or small group setting. Individual needs are supported by the student’s IEP and geared for students working at functional, participation, or supported level. This course focuses on student understanding and differentiation models that support various learning styles. This course will not meet the necessary requirements for MME Diploma. Students will earn a certificate of completion.
Grade: 9  
Credits: 1  
Required: Y  
Prerequisite: N

Earth Science
Course ID: 31207  
Description: Earth Science Certificate of Completion Track will cover the same content of Earth Science with the following distinctions: In the Earth Science Certificate of Completion Track instruction is delivered to a student with an Individualized Educational Plan. It is for the student who requires significant modifications and accommodations so much that it alters the content being delivered. Instruction is in an individualized or small group setting. Individual needs are supported by the student’s IEP and geared for students working at functional, participation, or supported level. This course focuses on student understanding and differentiation models that support various learning styles. This course will not meet the necessary requirements for MME Diploma. Students will earn a certificate of completion.
Grade: 10  
Credits: 1  
Required: Y  
Prerequisite: N

Physical Science
Course ID: 31557  
Description: The purpose of this project/experiment-based course is to provide a general knowledge of the concepts of life science, and earth science through hands-on learning that connects to everyday living. Students in this course will demonstrate understanding of previous science courses. Students will identify a problem, or an event, and seek solutions, or explanations through research and experimentation. The experiments in the course provide step by step procedures and teach the students the best method of solving problems and discovering answers. Instruction is in an individualized or small group setting. Individual needs are supported by the student’s IEP and geared for students working at functional, participation, or supported level. This course will not meet the necessary requirements for MME Diploma. Students will earn a certificate of completion.
Grade: 11-12  
Credits: 1  
Required: Y  
Prerequisite: Y

Concepts of Chemistry
Course ID: 35007  
Description: Concepts in Chemistry Certificate of Completion Track will cover the same content as Chemistry with the following distinctions: In the Concepts of Chemistry Certificate of Completion Track instruction is delivered to a student with an Individualized Educational Plan. It is for the student who requires significant modifications and accommodations so much that it alters the content being delivered. Instruction is in an individualized or small group setting. Individual needs are supported by the student’s IEP and geared for students working at functional, participation, or supported level. This course focuses on student understanding and differentiation models that support various learning styles. This course will not meet the necessary requirements for MME Diploma. Students will earn a certificate of completion.
Grade: 11-12  
Credits: 1  
Required: Y  
Prerequisite: Y
Environmental Science

Course ID: 30527

Description: The purpose of this project/experiment-base course is to provide a general knowledge of the concepts of life science, and earth science through hands-on learning that connects to everyday living. Instruction is in an individualized or small group setting. Individual needs are supported by the student’s IEP and geared for students working at functional, participation, or supported level. This course focuses on student understanding and differentiation models that support various learning styles. This course will not meet the necessary requirements for MME Diploma. Students will earn a certificate of completion.

<table>
<thead>
<tr>
<th>Grade</th>
<th>9-13</th>
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</thead>
<tbody>
<tr>
<td>Credits</td>
<td>1</td>
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<tr>
<td>Required</td>
<td>N</td>
</tr>
<tr>
<td>Prerequisite</td>
<td>N</td>
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</tbody>
</table>
## Adaptive Physical Education Semester 1 and 2

**Course ID:** 20057  
**Description:** A basic physical education course stressing fitness, conditioning, individual sports skills and seasonal sports. This course includes the development of basic movement skills through instruction in a variety of physical activities. This course is modified to fit the needs of students who may require adaptations per their individualized educational plan.  
**Grade:** 9-13  
**Credits:** .5  
**Required:** Y  
**Prerequisite:** N

## Personal Health Management Semester 1 and 2

**Course ID:** 20057  
**Description:** This course will cover the same content as PHM. Instruction will be delivered to students with an Individualized Educational Plan. Accommodations and modifications will address various learning styles. Students enrolled in this course require instruction at the functional, supported or participation level.  
**Grade:** 9-13  
**Credits:** .5  
**Required:** Y  
**Prerequisite:** N

## Individual Sports Semester 1 and 2

**Course ID:** 25407  
**Description:** A course which concentrates on selected lifetime sports as aerobics, physical conditioning, jogging, stretching and personal exercise, with an emphasis on game strategies. This course is modified to fit the needs of students who may require adaptations per their individualized educational plan.  
**Grade:** 9-13  
**Credits:** .5  
**Required:** N  
**Prerequisite:** N

## Team Sports

**Course ID:** 25507 and 25517  
**Description:** This course will cover the same content as Team Sports 2550/01. Instruction is delivered to a student with an Individualized Educational Plan. It is for the student who requires adaptive physical education. Individual needs are supported by the student’s IEP inclusive of accommodations and modifications.  
**Grade:** 9-13  
**Credits:** .5  
**Required:** N  
**Prerequisite:** N

## Teams Sports

**Course ID:** 25527 and 25547  
**Description:** This course will cover the same content as Team Sports 2540/1. Instruction is delivered to a student who required adaptive physical. Individual needs are supported by the student’s IEP inclusive of accommodations and modifications.  
**Grade:** 9-13  
**Credits:** .5  
**Required:** N  
**Prerequisite:** N

## Health Fitness Center Semester 1 and 2

**Course ID:** 25287  
**Description:** This course is designed for students attending Drew Transition Center. The course will concentrate on utilizing exercise equipment with the appropriate modifications for students requiring adaptive equipment and adaptations for physical activity.  
**Grade:** 13  
**Credits:** .5  
**Required:** N  
**Prerequisite:** N
### SPECIALIZED STUDENT SERVICES CERTIFICATE OF COMPLETION & CENTER BASE ELECTIVE COURSES

**Vocational Exploration Semester 1 and 2**

**Course ID:** 53477  
**Description:** This course is designed to help students explore career pathways and gain knowledge about expectations, skills, training and education required by various careers. Students use a multi-media approach for the exploration and designing individual career boards to help focus their learning.  
Grade: 9-13  
Credits: 0.5  
Required: N  
Prerequisite: N

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Description</th>
<th>Grade</th>
<th>Credits</th>
<th>Required</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>53477</td>
<td></td>
<td>9-13</td>
<td>0.5</td>
<td>N</td>
<td>N</td>
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</tbody>
</table>

| Healthy Living Skills |  
| **Course ID:** 57207 |  
| **Description:** This course is designed to help students take control of their personal, physical and emotional well-being. It will focus on personal fitness information, practical skills, and real-world applications that encourage students to become responsible for their own fitness and well-being throughout life. This course will enable students to assess their own health status and understand the relationships between healthful living and quality of life. | Grade: 9-13 | Credits: 1 | Required: N | Prerequisite: N |

| Work Skills |  
| **Course ID:** 97157 |  
| **Description:** This course is designed to help students recognize the importance of accomplishing tasks within a given period of time, developing working skills, exploring personal strengths, building self-esteem, and strengthening problem skills. | Grade: 9-13 | Credits: 1 | Required: N | Prerequisite: N |

| Family Living Skills |  
| **Course ID:** 55057 |  
| **Description:** This course will provide students with practical, hands-on instruction in personal and home skills to enable them to function and participate effectively at home. Topics covered include: personal care, living arrangements, household maintenance, and budget and food preparation/nutrition. | Grade: 9-13 | Credits: 1 | Required: N | Prerequisite: N |

| Nutrition Education |  
| **Course ID:** 55107 |  
| **Description:** This course will provide students with practical healthy lifestyle dietary options and explore how obesity and food choices may lead to diseases. Students will learn how to prepare and plan meals using recipes, prepare grocery list, and participate in activities that will help prepare them to participate effectively at home. | Grade: 9-13 | Credits: 1 | Required: N | Prerequisite: N |

<p>| Consumer Education |<br />
| <strong>Course ID:</strong> 57407 |<br />
| <strong>Description:</strong> This course will assist students in developing skills to participate in society as effective consumers. Students will learn essential vocabulary words for a variety of everyday text, such as recipes, menus, labels, advertisement and signs. Students will learn about credit cards, establishing credit and credit scores. | Grade: 9-13 | Credits: 1 | Required: N | Prerequisite: N |</p>
<table>
<thead>
<tr>
<th>Course ID</th>
<th>Description</th>
<th>Grade</th>
<th>Credits</th>
<th>Required</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>39007</td>
<td>This course is designed to teach students basic computer skills including introduction to the keyboard, internet usage, and how to send and retrieve emails. Students will also learn how to use Microsoft Office Tools, such as Word, Excel, and Power Point in order to complete reports and presentations.</td>
<td>9-13</td>
<td>1</td>
<td>N</td>
<td>N</td>
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<tr>
<td>55067</td>
<td>This course will provide students with practical hands-on instruction in personal and home skills to enable them to function and participate effectively at home and in the community. Topics to be covered include: personal care, living arrangements, household maintenance and food preparation/nutrition.</td>
<td>9-13</td>
<td>1</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>86537</td>
<td>This course is designed to help students realize the importance of education, recognize personal strengths and build self-esteem, while learning a career planning process. Students continue to explore career pathways and begin focusing on 2-3 specific pathways gaining knowledge about the expectations, skills, training and education required by those careers. Topics also include but are not limited to: completing job applications, resume writing, interviewing skills, career exploration, paychecks, banking, budgeting and self-advocacy.</td>
<td>9-13</td>
<td>1</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>86547</td>
<td>This course is designed to help students explore career pathways and gain knowledge about the expectations, skills, training and education required by various careers. Students use multi-media approach for the exploration and design individual career boards to help focus their learning.</td>
<td>9-13</td>
<td>1</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>86507</td>
<td>This course is designed to help students explore career pathways and gain knowledge about the expectations, skills, training and education required by careers in business. Topics include functional office task such as answering phones, filing, Microsoft programs, and customer services.</td>
<td>9-13</td>
<td>1</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>86517 and 86527</td>
<td>Students explore the useful and decorative crafts in modern and fold art. A variety of wood, leather, metal, fiber, clay, raffia and reed techniques may be introduce according to teacher preference. This course will provide modifications according to the student’s individual needs. This particular Arts and Crafts course is directed toward students who are on the certificate of completion track within a center base program.</td>
<td>9-13</td>
<td>1</td>
<td>N</td>
<td>N</td>
</tr>
</tbody>
</table>
Government and Community Agency
Course ID: 86477
Description: This course will prepare students to become knowledgeable and active citizens and leaders within our communities. This course will provide students a practice forum where they can dialogue on various issues that impact our community. It will help students navigate through the various community agencies to find the most appropriate service provider for their disability. This course will help students build self-esteem and self-advocacy. Government and Community Agency is geared toward students in the certificate program within center base schools.
Grade: 9-13
Credits: 1
Required: N
Prerequisite: N

Social Responsibility
Course ID: 88337
Description: Supports the development of responsible citizens. Self-discipline, conflict resolutions, good communication, personal finance, basic law and social skills will be addressed in this course. Social Responsibility is geared toward students in the certificate program within center base schools.
Grade: 9-13
Credits: 1
Required: N
Prerequisite: N

Music Appreciation
Course ID: 73797
Description: This course will explore various genres of music and artist. Music appreciation is geared toward students in the certificate program within center base schools.
Grade: 9-13
Credits: 1
Required: N
Prerequisite: N

Custodial Skills
Course ID: 86607 and 86707
Description: This course will provide students with hands-on practical experience. They will learn how to perform custodial duties, minor maintenance and other miscellaneous duties in order to ensure that buildings and facilities are maintained in a healthy, safe and sanitary manner. This course geared toward students in the certificate program within center base schools.
Grade: 9-13
Credits: 1
Required: N
Prerequisite: N

Conflict Resolution
Course ID: 28157
Description: In this course students will learn the methods and process of negotiation, arbitration, which promote the peaceful ending of social conflict. Students will use social stories and role playing to carry out successful problem techniques to resolve conflicts. Conflict resolution is geared toward students in the certificate program within center base schools.
Grade: 9-13
Credits: 1
Required: N
Prerequisite: N

Commercial Foods
Course ID: 86007 and 86107
Description: Students are introduced to basic culinary arts and services, sanitation and safety and employment opportunities. Students have the opportunity to rotate through all areas of employment in a commercial food establishment. Students gain hands-on experience in a preparation and customer retail service. Commercial Foods is geared toward students in the certificate program within center base schools.
Grade: 9-13
Credits: 1
Required: N
Prerequisite: N
Retail Food Management

Course ID: 86127

Description: Students focus on techniques of customer service, sanitation and safety procedures practices in food retail. Training in reading menus, cash registers, accuracy, speed and menu writing will be emphasized. Students will receive practical hands-on experience in retail food management. Retail management is geared toward students in the certificate program within center base schools.

Grade: 9-13
Credits: 1
Required: N
Prerequisite: N

Retail Fashion Design

Course ID: 86207

Description: Students focus on techniques of customer service, retail fashion arrangements, and fashion design techniques. Students will receive practical hands-on experience in a retail design setting. Retail fashion design management is geared toward students in the certificate program within center base schools.

Grade: 9-13
Credits: 1
Required: N
Prerequisite: N

Barber and Natural Hair Salon

Course ID: 86397 and 86407

Description: This course provides training in the care and services that are directed toward beautifying the hair. Students learn cosmetology laws and rules, as well as safety and sanitation and customer service. The course Barber and Natural Hair Salon is geared toward students in the certificate program within center base schools.

Grade: 9-13
Credits: 1
Required: N
Prerequisite: N

Upholstery

Course ID: 86457

Description: Students gain hands-on experience in fitting and covering furniture. Upholstery is geared toward students in the certificate program within center base schools.

Grade: 9-13
Credits: 1
Required: N
Prerequisite: N

Community Recreation and Leisure

Course ID: 86467

Description: This course will assist students with determining the most appropriate recreation activities and leisure events for their personal choice. Students will explore various community organizations for disabled and non-disabled community members that fit their interest. Community Recreation and Leisure is geared toward students in the certificate program within center base schools.

Grade: 9-13
Credits: 1
Required: N
Prerequisite: N

General Office/Post Office Skills

Course ID: 86497

Description: Students gain hands-on experience and knowledge in postal and office operations. General Office/Post Office Skills is geared toward students in the certificate program within center base schools.

Grade: 9-13
Credits: 1
Required: N
Prerequisite: N

Landscape/Lawn Care

Course ID: 86617 and 86627

Description: This course will assist students in developing landscaping and lawn care for possible future employment or further study in this industry. Instructional activities involving practical applications of course requirements may occur in natural settings around school and the community or simulated work environments for the purpose of practice, generalization, and maintenance of skills. These applications will require that the student acquire the knowledge and skills involved with the use of related technology, tools and equipment. Landscape and lawn care is geared toward students in the certificate program within center base schools.

Grade: 9-13
Credits: 1
Required: N
Prerequisite: N
<table>
<thead>
<tr>
<th>Course ID: 86637</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description:</strong> This course will cover the basic operations and business aspect of laundry and clothing care. Students will learn how to prep laundry, operate machines, read garment labels, fold and sort. This course Laundry Service and Clothing Care is geared toward students in the certificate program within center base schools.</td>
</tr>
<tr>
<td><strong>Grade:</strong> 9-13</td>
</tr>
<tr>
<td><strong>Credits:</strong> 1</td>
</tr>
<tr>
<td><strong>Required:</strong> N</td>
</tr>
<tr>
<td><strong>Prerequisite:</strong> N</td>
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<table>
<thead>
<tr>
<th>Course ID: 86657</th>
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<tbody>
<tr>
<td><strong>Description:</strong> Students are introduced to the industry and science of plant cultivation including scientific and social implication, plant physiology, soils and nutrition; natural resources, environmental science and the green industry. Horticulture/Greenhouse is geared toward students in the certificate program.</td>
</tr>
<tr>
<td><strong>Grade:</strong> 9-13</td>
</tr>
<tr>
<td><strong>Credits:</strong> 1</td>
</tr>
<tr>
<td><strong>Required:</strong> N</td>
</tr>
<tr>
<td><strong>Prerequisite:</strong> N</td>
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<table>
<thead>
<tr>
<th>Course ID: 86767, 86777, 86787 and 86797</th>
</tr>
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<tbody>
<tr>
<td><strong>Description:</strong> Students are introduced to the basic principles of baking pastry creation as practiced in the food service industry. Students also learn culinary core and serve safe. As students progress they also study customer relations, basic cookery, baking pastry, and business mathematics. Bakers Assistant is geared toward student in the certificate program.</td>
</tr>
<tr>
<td><strong>Grade:</strong> 9-13</td>
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<tr>
<td><strong>Credits:</strong> 1</td>
</tr>
<tr>
<td><strong>Required:</strong> N</td>
</tr>
<tr>
<td><strong>Prerequisite:</strong> N</td>
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<thead>
<tr>
<th>Course ID: 86857 and 86867</th>
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<tbody>
<tr>
<td><strong>Description:</strong> Students are introduced to the auto body shop while studying and learning the importance of shop safety and auto detailing. Students will also learn about collision repair careers. Auto body is geared toward students in the certificate program.</td>
</tr>
<tr>
<td><strong>Grade:</strong> 9-13</td>
</tr>
<tr>
<td><strong>Credits:</strong> 1</td>
</tr>
<tr>
<td><strong>Required:</strong> N</td>
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<tr>
<td><strong>Prerequisite:</strong> N</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Course ID: 86907 and 89617</th>
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</thead>
<tbody>
<tr>
<td><strong>Description:</strong> Students are introduced to tools and equipment, safety and employability; general suspension and steering diagnosis/wheel alignment diagnosis, adjustment and repair; general electrical system diagnosis/battery diagnosis and service. Auto mechanic is geared toward students in the certificate program.</td>
</tr>
<tr>
<td><strong>Grade:</strong> 9-13</td>
</tr>
<tr>
<td><strong>Credits:</strong> 1</td>
</tr>
<tr>
<td><strong>Required:</strong> N</td>
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<tr>
<td><strong>Prerequisite:</strong> N</td>
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<table>
<thead>
<tr>
<th>Course ID: 19407 Semester 1 and Semester 2</th>
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</thead>
<tbody>
<tr>
<td><strong>Description:</strong> This course is designed to provide students practical, hands-on instruction in personal, home and work skills to enable them to function and participate effectively at home and in the community. Students enrolled in this course are on track to receive a certificate of completion.</td>
</tr>
<tr>
<td><strong>Grade:</strong> 9-13</td>
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<tr>
<td><strong>Credits:</strong> 1</td>
</tr>
<tr>
<td><strong>Required:</strong> N</td>
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<tr>
<td><strong>Prerequisite:</strong> N</td>
</tr>
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**VISUAL, PERFORMING AND APPLIED ARTS**

**Drafting/Architectural 1**

**Course ID:** 5080  
**Description:** The use and care of basic drafting instruments, skill training in freehand, sketching and the language of construction are taught. Architectural dimensioning practice and principles of architectural layout in simple structure, use of pictorial views, details of foundation and freehand sketching are taught.  
**Grade:** 9-12  
**Credits:** 1  
**Required:** M  
**Prerequisite:** 0

**Drafting/Architectural 2**

**Course ID:** 5081  
**Description:** Focuses on the drawing of basic floor plans, the elements of frame construction, floors, walls and ceilings. Building specification preparation for residential plans with wall sections, interior detail, elevation drawing, simple rendering techniques. Co-op opportunities possible.  
**Grade:** 11-12  
**Credits:** 1  
**Required:** M  
**Prerequisite:** Y

**Communication Art 1**

**Course ID:** 6010  
**Description:** It covers the entire scope of advertising layout, commercial illustration, poster and package design and merchandising display. Visual communication techniques, advertising layout, illustration, poster/package design, display techniques are studied.  
**Grade:** 10-12  
**Credits:** 1  
**Required:** M  
**Prerequisite:** 0

**Fashion 1**

**Course ID:** 6015  
**Description:** Students will learn to draw fashion figures and interpret contemporary and historical apparel, experience new ways to interpret fashion figure in pencil, wash and other media. Students may experiment with original designs while learning to interpret fabric textures.  
**Grade:** 10-12  
**Credits:** 1  
**Required:** E  
**Prerequisite:** 0

**Lettering 1**

**Course ID:** 6025  
**Description:** Students will develop skills in single stroke and constructed lettering techniques, knowledge of letter design and type faces, and ability to handle simple layout problems. Study of creative lettering, calligraphy and use of lettering in advertising with illustrations.  
**Grade:** 9-12  
**Credits:** 1  
**Required:** E  
**Prerequisite:** 0

**Ceramics 1**

**Course ID:** 6035  
**Description:** Students will learn clay properties and basic techniques for mixing and hand forming. Pinch, coil and slab methods will be studied as well as commercial uses and basic glaze methods. Introduction to methods of wheel throwing and molding techniques.  
**Grade:** 10-12  
**Credits:** 1  
**Required:** E  
**Prerequisite:** 0
Ceramics 2
Course ID: 6037
Description: Students will work more independently on forming techniques and expand skills to fit clay proudest. Multiple productions will be emphasized. Expanded work in hand forming and wheel throwing, new methods of glazing and firing.
Grade: 11-12
Credits: 1
Required: E
Prerequisite: Y

Ceramics 3
Course ID: 6038
Description: Students will expand knowledge in hand forming and wheel throwing skills while learning new methods of basic glaze missing and of firing. Introduction of teacher-approved independent study problems in ceramics design with emphasis on creativity and skill perfection.
Grade: 12
Credits: 1
Required: E
Prerequisite: Y

Pewabic Pottery 1
Course ID: 6049
Description: This course surveys the history of ceramics production from prehistoric to contemporary periods. Students will learn various techniques for constructing and decorating pottery and will study current Pewabic gallery exhibits of local and nationally known potters to become familiar with trends and new techniques. (Off-campus class only—see school counselor for information)
Grade: 11-12
Credits: 1
Required: E
Prerequisite: Y

Crafts 1
Course ID: 6051
Description: Students explore the useful and decorative crafts in modern and fold art. A variety of wood, leather, metal, fiber, glass, clay, raffia and reed techniques may be introduced according to teacher preference. Continuous expansion of knowledge and skills in working with craft materials.
Grade: 10-12
Credits: 1
Required: E
Prerequisite: 0

Crafts 2
Course ID: 6053
Description: Students will learn to use Crafts materials more creatively and solve combined materials problems such as leather and wood or wood and clay. Skill development using specific materials and combinations of materials, and unusual materials such as bone, feathers and natural objects.
Grade: 11-12
Credits: 1
Required: E
Prerequisite: Y

Crafts 3
Course ID: 6055
Description: This class introduces teacher approved independent study problems in crafts with emphasis on individual creativity and skill development. Teacher-approved independent study projects may be assigned.
Grade: 12
Credits: 1
Required: E
Prerequisite: Y

Jewelry 1
Course ID: 6060
Description: Students will explore past and present cultures and learn the fundamentals of wire and flat metal uses in jewelry design leading to stone setting and other complex processes.
Grade: 10-12
Credits: 1
Required: E
Prerequisite: 0
Jewelry 2  
Course ID: 6062  
Description: Students will continue to perfect their skills in creative jewelry design learning to use different metals in combination with each other and with other natural materials such as fibers, wood, feathers, and ceramics. Attention is given to individual creative design and development of complex skills such as casting and advanced enameling techniques.  
Grade: 11-12  
Credits: 1  
Required: E  
Prerequisite: Y

Fibers  
Course ID: 6070  
Description: This is a specialized course involving the use of fabrics and fibers in both functional and non-functional art.  
Grade: 10-12  
Credits: 1  
Required: E  
Prerequisite: 0

Art History 1  
Course ID: 6090  
Description: Art history is the study of visual arts from early times through the present. Attention is given to specific community or ethnic influences and concentrated study of modern and contemporary art.  
Grade: 9-12  
Credits: 1  
Required: E  
Prerequisite: 0

Color/Design  
Course ID: 6100  
Description: This course is designed to teach students the fundamentals of design emphasizing shape, form, color, texture and composition. Two and three dimensional aspects are included.  
Grade: 9-12  
Credits: .5  
Required: E  
Prerequisite: 0

Draw/Paint 1  
Course ID: 6110  
Description: Students will explore the use of drawing and painting media—pencils, charcoal, chalk, opaque and transparent paints. Practice using real objects and scenes will enhance skill development.  
Grade: 9-12  
Credits: 1  
Required: E  
Prerequisite: 0

Draw/Paint 2  
Course ID: 6112  
Description: Students will continue to perfect their life, landscape and figure as subject matter. Composition is emphasized as well as the study of different techniques in handling the various media. Experiences will include charcoal, pencil, acrylics, opaque and transparent water color.  
Grade: 10-12  
Credits: 1  
Required: E  
Prerequisite: Y

AP Studio Art--Drawing  
Course ID: 6114  
Description: This course is designed for students seriously interested in the practical experience of art. Students are expected to produce a portfolio of work that includes mastery of drawing in concept, composition, and execution; a body of work investigating a strong visual idea in drawing (digital); and works that demonstrate a variety of concepts and approaches in drawing.  
Grade: 11-12  
Credits: 1  
Required: E  
Prerequisite: Y

Figure Draw 1  
Course ID: 6120  
Description: Figure drawing stresses the study of basic anatomy of the skeletal and muscular structure of the human figure. Lone figure and group compositions are emphasized using a variety of media.  
Grade: 10-12  
Credits: 1  
Required: E  
Prerequisite: Y
### Pen and Ink

**Course ID:** 6130  
**Description:** This course is designed for in-depth study of ink drawing for fine arts and commercial reproduction.  
**Grade:** 10-12  
**Credits:** .5  
**Required:** E  
**Prerequisite:** Y

### Photo 1

**Course ID:** 6140  
**Description:** This course introduces the use of a simple camera under the most favorable conditions, sunlight, with attention directed to light, shadows and camera angles. Use of cameras in artificial light and sunlight are composition is emphasized.  
**Grade:** 10-12  
**Credits:** 1  
**Required:** E  
**Prerequisite:** Y

### Photo 2

**Course ID:** 6142  
**Description:** Students will develop skill in film processing and creative uses of the camera. Uses of color as well as black and white will be emphasized. Creative uses of the camera and independent projects are emphasized.  
**Grade:** 10-12  
**Credits:** 1  
**Required:** E  
**Prerequisite:** Y

### Photo 3

**Course ID:** 6144  
**Description:** Students will work on teacher-approved independent study problems. Emphasis will be placed on creativity and skill development. Students will work on approved independent projects and portfolio development.  
**Grade:** 12  
**Credits:** 1  
**Required:** E  
**Prerequisite:** Y

### Sculpture 1

**Course ID:** 6150  
**Description:** This course presents an opportunity for students to learn the techniques most commonly used in modeling, carving and construction. Students will use various media, use plaster, clay, wood and combined materials and will study relief and sculpture in round.  
**Grade:** 10-12  
**Credits:** 1  
**Required:** E  
**Prerequisite:** Y

### Sculpture 2

**Course ID:** 6152  
**Description:** Students will work on skill development. They will consider both the real and abstract aspects of sculpture and use techniques of carving away and adding specific materials. Creativity and composition are emphasized.  
**Grade:** 11-12  
**Credits:** 1  
**Required:** E  
**Prerequisite:** Y

### Sculpture 3

**Course ID:** 6154  
**Description:** Students will work on teacher-approved projects with emphasis on skill development in specific media. Students will complete approved independent projects using two or more media.  
**Grade:** 12  
**Credits:** 1  
**Required:** E  
**Prerequisite:** Y

### Free Draw 1

**Course ID:** 6170  
**Description:** This class emphasizes the study of drawing media without the use of mechanical instruments. Creativity and skill development are emphasized.  
**Grade:** 10-12  
**Credits:** 1  
**Required:** E  
**Prerequisite:** Y
<table>
<thead>
<tr>
<th>Course ID: 6180</th>
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<tbody>
<tr>
<td><strong>Printmaking</strong></td>
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<tr>
<td><strong>Description:</strong> Emphasis is on skill development in methods of printmaking, including serigraphy, lithography, etching linoleum and wood-outs.</td>
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<tr>
<td><strong>Grade:</strong> 11-12</td>
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<td><strong>Credits:</strong> 1</td>
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<tr>
<td><strong>Required:</strong> E</td>
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<tr>
<td><strong>Prerequisite:</strong> Y</td>
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<tr>
<th>Course ID: 6185</th>
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<tbody>
<tr>
<td><strong>African-American Art History</strong></td>
</tr>
<tr>
<td><strong>Description:</strong> This course provides a survey of African-American artists and their contributions to American culture.</td>
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<tr>
<td><strong>Grade:</strong> 9-12</td>
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<tr>
<td><strong>Credits:</strong> .5</td>
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<tr>
<td><strong>Required:</strong> E</td>
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<td><strong>Prerequisite:</strong> 0</td>
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<tr>
<th>Course ID: 6190</th>
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<tbody>
<tr>
<td><strong>Painting 1</strong></td>
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<tr>
<td><strong>Description:</strong> Students will study a variety of painting styles and techniques using various media, as well as the history of painting and composition. Skills in various painting media including transparent and opaque water color, acrylics, tempura and/or oils.</td>
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<tr>
<td><strong>Grade:</strong> 10-12</td>
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<td><strong>Credits:</strong> 1</td>
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<td><strong>Required:</strong> E</td>
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<td><strong>Prerequisite:</strong> Y</td>
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<tr>
<th>Course ID: 6192</th>
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<tbody>
<tr>
<td><strong>Painting 2</strong></td>
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<tr>
<td><strong>Description:</strong> Students will work on independent study problems with emphasis on completing portfolio and skill development.</td>
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<tr>
<td><strong>Grade:</strong> 12</td>
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<tr>
<td><strong>Credits:</strong> 1</td>
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<tr>
<td><strong>Required:</strong> E</td>
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<tr>
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<tbody>
<tr>
<td><strong>Public Design</strong></td>
</tr>
<tr>
<td><strong>Description:</strong> Students will study basic fundamentals of journalism, art and photographic composition. Class includes planning for activities, arranging photographic services, making layouts, choosing, sizing, cropping photographs, making posters, banners for advertising. Learn various type-styles and how to fit copy. Goal may be to produce the annual yearbook.</td>
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<td><strong>Grade:</strong> 10-12</td>
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<tr>
<td><strong>Computer Graphics 1</strong></td>
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<tr>
<td><strong>Description:</strong> This course is an introduction to Adobe Photoshop and Adobe Illustrator. Photoshop is used by professional photographers and digital professionals to enhance, adjust and create stunning visual designs. Students will be able to import Photoshop projects into Adobe Illustrator to build impressive graphic designs such as posters, CD and DVD covers, newsletters and more. Advanced photo and digital imaging, website design, and concepts of drawing, painting, coloring, shading and applying texture and layer to create illusionary 3-D images are included.</td>
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<tr>
<td><strong>Grade:</strong> 9-12</td>
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<tr>
<th>Course ID: 6320</th>
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<tr>
<td><strong>AP Studio Art 2-D Design</strong></td>
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<tr>
<td><strong>Description:</strong> This course is designed for students seriously interested in the practical experience of art. Students are expected to produce a portfolio of work that demonstrates mastery of design in concept, composition and execution; digital images investigating a strong underlying visual idea in 2-D design and works that demonstrate a variety of concepts and approaches in 2-D design.</td>
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<tr>
<td><strong>Grade:</strong> 11-12</td>
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<tr>
<td><strong>Credits:</strong> 1</td>
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<tr>
<td><strong>Required:</strong> E</td>
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<tr>
<td><strong>Prerequisite:</strong> Y</td>
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</table>
AP Studio Art 3-D Design
Course ID: 6321
Description: This course is designed for students seriously interested in the practical experience of art. Students are expected to produce a portfolio of work that demonstrates mastery of 3-D design in concept, composition and execution; digital images investigating a strong underlying idea in 3-D design, works that demonstrate a variety of concepts and approaches in 3-D design.
Grade: 12
Credits: 1
Required: E
Prerequisite: Y

AP Art History
Course ID: 6322
Description: This course emphasizes understanding works of art within their historical context and teaches students visual and contextual analysis of works of art. The content includes the ancient through medieval period, Renaissance to the present and beyond European artistic traditions.
Grade: 11-12
Credits: 1
Required: E
Prerequisite: Y
MUSIC

Band A

Course ID: 7000
Description: This advanced level ensemble will perform a variety of challenging symphonic and concert literature encompassing several musical periods and styles of writing. Repertoire will include original band compositions and orchestral transcriptions. Participation in this ensemble will help to prepare the student for university, conservatory, and professional ensemble performance.
Grade: 10-12
Credits: 1
Required: E
Prerequisite: Y

Band B

Course ID: 7010
Description: This course is essentially a training unit for “A” Band, providing an introduction to a variety of techniques and disciplines.
Grade: 9-12
Credits: 1
Required: E
Prerequisite: Y

C Band

Course ID: 7020
Description: Students apply individual skills to ensemble experience, learning dynamics of group performance.
Grade: 9-12
Credits: 1
Required: E
Prerequisite: Y

Marching Band

Course ID: 7030
Description: This course introduces and develops fundamentals of marching techniques encompassing parade concepts and show design.
Grade: 9-12
Credits: .5
Required: E
Prerequisite: Y

Stage Band

Course ID: 7040
Description: Folk, rock, jazz, country, and other pop styles are identified and played.
Grade: 9-12
Credits: 1
Required: E
Prerequisite: Y

Winds 1

Course ID: 7050
Description: Affords basic training in the care and assembly of the instrument. Embouchure development, appropriate playing position and posture, technical fundamentals of tone production, fingerings and tonguing are introduced in this course.
Grade: 9-12
Credits: 1
Required: E
Prerequisite: 0

Winds 2

Course ID: 7051
Description: Affords intermediate development of embouchure and technical skills preparatory for solo, ensemble, and group performance.
Grade: 10-12
Credits: 1
Required: E
Prerequisite: Y

Guitar

Course ID: 7060
Description: Practical uses of guitar for the novice or mature student musicians are explored. Basic chord positions as well as intermediate level skills are taught.
Grade: 9-12
Credits: 1
Required: E
Prerequisite: 0
### Harmony

**Course ID:** 7070  
**Description:** This course affords a study of the combination of chords that produce music in two, three or four parts; the doubling of two or more tones which are essential to a chord, or the progression of chords.  
**Grade:** 10-12  
**Credits:** 1  
**Required:** E  
**Prerequisite:**

### Strings

**Course ID:** 7080  
**Description:** Affords training in the care of instrument and bow, as well as preparation of the instrument for performance. Fundamental bowings, shifting positions, vibrato, and interpretation of the response to baton direction are taught. Ear training, scales and studies are incorporated into lessons.  
**Grade:** 9-12  
**Credits:** 1  
**Required:** E  
**Prerequisite:**

### Orchestra A

**Course ID:** 7090  
**Description:** Symphonic and concert literature are studied by students who have satisfactorily completed “B” Orchestra requirements. Strings, woodwinds, brasses and percussions are included.  
**Grade:** 10-12  
**Credits:** 1  
**Required:** E  
**Prerequisite:** Y

### Orchestra B

**Course ID:** 7100  
**Description:** A training unit for “A” Orchestra. This course provides an introduction to a variety of techniques and disciplines, including strings, woodwinds, brasses and percussion.  
**Grade:** 10-12  
**Credits:** 1  
**Required:** E  
**Prerequisite:** 0

### Piano 1

**Course ID:** 7120  
**Description:** Piano skills enabling the student to play simple tunes and choral accompaniments are introduced. Interpretation of piano score, psychomotor training and cognitive learning are part of class work.  
**Grade:** 9-12  
**Credits:** 1  
**Required:** E  
**Prerequisite:** 0

### Piano 2

**Course ID:** 7121  
**Description:** This intermediate level course provides continuing experience in the performance and interpretation of music and further mastery of the keyboard through increased technical instruction.  
**Grade:** 10-12  
**Credits:** 1  
**Required:** E  
**Prerequisite:** Y

### Piano 3

**Course ID:** 7122  
**Description:** This intermediate level course will broaden the technical, practical and musical skills learned in Piano 1 and 2.  
**Grade:** 11-12  
**Credits:** 1  
**Required:** E  
**Prerequisite:** Y

### String Orchestra

**Course ID:** 7130  
**Description:** Standard string material and repertoire are selected to develop student’s musical strength in ensemble performances.  
**Grade:** 9-12  
**Credits:** 1  
**Required:** E  
**Prerequisite:** 0
Choir 1

Course ID: 7140
Description: Students become acquainted with, learn and perform a variety of choral literature: a cappella, with orchestra, band or piano accompaniment. This is a mixed group (soprano, alto, and tenor, bass) that is highly skilled.

Grade: 10-12
Credits: 1
Required: E
Prerequisite: Y

Choir 2

Course ID: 7150
Description: Students will develop repertoires of greater difficulty, geared to concerts, outside engagements, festivals, etc.

Grade: 11-12
Credits: 1
Required: E
Prerequisite: Y

Glee Club 1

Course ID: 7160
Description: Vocal compositions and choral arrangements are undertaken and studied for performance values.

Grade: 10-12
Credits: 1
Required: E
Prerequisite: 0

Glee Club 2

Course ID: 7170
Description: More challenging vocal and choral music are studied and performed.

Grade: 11-12
Credits: 1
Required: E
Prerequisite: Y

Harp and Vocal

Course ID: 7200
Description: Unique course offered only at Cas Technical High School which combines harp and vocal skills.

Grade: 10-12
Credits: 1
Required: E
Prerequisite: Y

Harp 1

Course ID: 7201
Description: This course is designed to teach non-music readers and music readers to play the harp. They will be properly instructed in the Carlos Salzedo method of study.

Grade: 9-12
Credits: 1
Required: E
Prerequisite: 0

Harp 2

Course ID: 7202
Description: Students will be given private lessons on materials assigned for the semester. At the end of the course, a class recital is given in which students perform.

Grade: 10-12
Credits: 1
Required: E
Prerequisite: Y

Harp Ensemble

Course ID: 7203
Description: This is a course for advanced harpists that have developed techniques presented in Harp I and II. Students will receive private and group instruction as they study compositions that have been arranged for various combinations of harps. The harp ensemble performs regularly as an independent ensemble and may also accompany the Harp and Vocal Ensemble.

Grade: 11-12
Credits: 1
Required: E
Prerequisite: Y

Madrigals 1

Course ID: 7210
Description: This is a highly specialized vocal ensemble featuring secular works, usually unaccompanied, from the 14th to the early 17th century. The compositions are studied, analyzed and performed.

Grade: 10-12
Credits: 1
Required: E
Prerequisite: Y
Madrigals 2
Course ID: 7211
Description: This class is a continuation of Madrigals 1 and covers a more advanced repertoire. Often madrigal groups perform in costumes of the period and the country represented in the songs.
Grade: 10-12
Credits: 1
Required: E
Prerequisite: Y

Madrigals 3
Course ID: 7212
Description: A continuation in performing select choral repertoire of the 14th through the 17th centuries.
Grade: 10-12
Credits: 1
Required: E
Prerequisite: Y

Madrigals 4
Course ID: 7213
Description: This course provides advanced participation in madrigal singing and acting according to the traditions of the music performed.
Grade: 11-12
Credits: 1
Required: E
Prerequisite: Y

Vocal Music 1
Course ID: 7220
Description: Appropriate methods of voice production are introduced, incorporating approved concepts of breathing, tone production, vowel formation, diction, etc.
Grade: 9-12
Credits: 1
Required: E
Prerequisite: Y

Vocal Music 2
Course ID: 7230
Description: Affords intermediate development of vocal and musical skills preparatory for solo, ensemble and group performance.
Grade: 10-12
Credits: 1
Required: E
Prerequisite: Y

Ensemble 1
Course ID: 7260
Description: Ensemble offers the opportunity for vocal and/or instrumental enrichment through participation with selected others of like ability.
Grade: 10-12
Credits: 1
Required: E
Prerequisite: Y

Music History
Course ID: 7270
Description: This course presents the story of music as related to the history of man, its development interrelated with parallel progress in the arts and sciences.
Grade: 9-12
Credits: 1
Required: M
Prerequisite: 0

IN Music EL/MS
Course ID: 7280
Description: This is a rudimentary course in which the basic theory of music is presented: key signatures, scales, chords, melodic, rhythmic and harmonic concepts, form and analysis. There is utilization of practical application.
Grade: 9-12
Credits: 1
Required: E
Prerequisite: 0

Bell Choir
Course ID: 7300
Description: This course is a study of the use of English hand bells which focuses upon a special repertoire of music in which the bells function as a complete unit whether playing melodies and/or choral accompaniments. The course depends upon the availability of the bells.
Grade: 9-12
Credits: .5
Required: E
Prerequisite: 0
Concert Choir 1  
Course ID: 7310  
Description: This is an advanced course in vocal music at the high school level. The music performed is at the highest level of quality of repertoire for students who perform a cappella or with band, orchestra or piano. This is a “show choir.”  
Grade: 10-12  
Credits: 1  
Required: E  
Prerequisite: Y

Concert Choir 2  
Course ID: 7311  
Description: This course is a continuation of Concert Choir I. The music performed is at the highest level of quality of repertoire for singers who perform a cappella or with band, orchestra or piano. This is a “show choir.”  
Grade: 10-12  
Credits: 1  
Required: E  
Prerequisite: Y

Instrumental 1  
Course ID: 7340  
Description: This course provides basic training emphasizing fundamentals of instrumental performance and musicianship within the framework of heterogeneous grouping.  
Grade: 9-12  
Credits: 1  
Required: E  
Prerequisite: 0

Instrumental 2  
Course ID: 7341  
Description: An intermediate development of the fundamentals of instrumental performance and musicianship within the framework of heterogeneous grouping.  
Grade: 10-12  
Credits: 1  
Required: E  
Prerequisite: Y

Music Appreciation  
Course ID: 7379  
Description: Students in advanced theatre studies will learn a technical appreciation of the music of the theatre. Special attention will be given to taking the music from the written page to staging.  
Grade: 11-12  
Credits: .5  
Required: E  
Prerequisite: 0

Music Theory 1  
Course ID: 7380  
Description: This course provides an in-depth study of key signatures, scales, chords, melodies, rhythmic and harmonic concepts, form and analysis. It is required and applied practically by all advanced vocal and instrumental students.  
Grade: 10-12  
Credits: 1  
Required: E  
Prerequisite: 0

Music Theory 2  
Course ID: 7381  
Description: This course provides an in-depth study of key signatures, scales, chords, melodies, rhythmic and harmonic concepts, form and analysis. It is required and applied practically by all advanced vocal and instrumental students.  
Grade: 10-12  
Credits: 1  
Required: E  
Prerequisite: 0

Percussion  
Course ID: 7390  
Description: Drum rudiments, mallet techniques for keyboard instruments, tympani techniques, cymbal effects and use of auxiliary percussion instruments are taught.  
Grade: 9-12  
Credits: .5  
Required: E  
Prerequisite: 0
References for More Information

- Detroit Public Schools Website  www.detroitk12.org

Academic Content Areas

- Career and Technical Education  313-873-7637
- English, Language Arts  313-873-8559
- World Languages  313-873-7659
- Health, Physical Education and Safety  313-870-3632
- Mathematics  313-873-4519
- Scientific Studies  313-873-1486
- Social Studies: History, Society and Culture  313-873-1795
- Visual and Performing Arts  313-873-7706

Other Departments

- English Language Learners  313-873-7905
- Guidance and Counseling  313-873-3450
- Special Education  313-873-7740