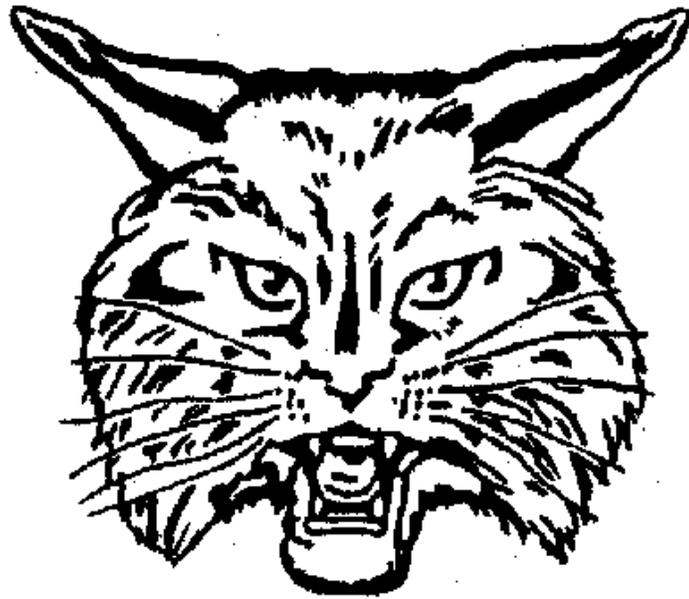


# Brandywine High School



**2018-2019**

## **Career Pathway Program of Studies**

This book is also available online at [www.brandywinebobcats.org](http://www.brandywinebobcats.org)

**Brandywine Community Schools**  
Committed to Every Student's Success

# BRANDYWINE COMMUNITY SCHOOLS

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Dennis Hinsey.....	Vice President
Jason Spitler .....	Secretary
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Michelle Wruble .....	Director of Special Education
Douglas Fox .....	Director of Technology
Kathy Holy.....	Director of Finance

## Brandywine High School Administration

Patrick Weckel .....	Principal
Josh Hood .....	Assistant Principal
Vance Stratton.....	Director of Athletics and Activities
Kim Knapp.....	Principal's Secretary
Kylie Tripp.....	Assistant Principal's Secretary

## Brandywine High School Important Telephone Numbers

Brandywine High School .....	(269) 683-4800
Brandywine High School Main Office FAX .....	(269) 683-1186
Brandywine Web Page.....	<a href="http://www.brandywinebobcats.org">www.brandywinebobcats.org</a>
Patrick Weckel, Principal .....	(269) 683-4800 ext 3202
Josh Hood, Assistant Principal .....	(269) 683-4800 ext 3214
Vance Stratton, Athletic Director .....	(269) 683-4800 ext 3207
Angela Roeder, High School Guidance Counselor.....	(269) 683-4800 ext 3222
Marilyn Haslett, Freshman Guidance Counselor.....	(269) 683-4800 ext 3218
Maribeth Burge, Registrar .....	(269) 683-4800 ext 3212
Attendance Reporting .....	(269) 683-4800 ext 3210
Transportation/Maintenance Department .....	(269) 683-4800 ext 3204
Food Services Office .....	(269) 683-4800 ext 3208

# BRANDYWINE COMMUNITY SCHOOLS

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# BRANDYWINE COMMUNITY SCHOOLS

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## *“Committed to Every Student’s Success”*

Dear Students and Parents/Guardians,

The Brandywine Community Schools are committed to preparing all of its students to become responsible, contributing citizens. Our purpose is to enable students to reach their potential by providing learning opportunities of the highest quality. To accomplish this the school, student, and parent/guardian work together to develop and complete a four-year course of study that leads to continued education and employment.

In order to accomplish this goal, students need to:

- Work hard at completing their coursework,
- Ask questions and seek help when necessary,
- Become involved in co-curricular and extracurricular activities.

This *Program of Studies* is intended as a planning tool to assist students as they set goals and make informed plans for their future. As students prepare for course registration, they should complete the following steps:

- Read this *Program of Studies*,
- Explore, identify, and declare career plans,
- Develop and annually revise a four-year plan with the help of counselors and parents,
- Seek information about specific courses from the counselors, teachers, and parents.

The faculty and staff of Brandywine Community Schools and the members of the Brandywine Board of Education are committed to helping each student to make the most of the opportunities that are outlined in this *Program of Studies*. You may also access this book online. Just follow these steps:

- Go to [www.brandywinebobcats.org](http://www.brandywinebobcats.org)
- Click on “Schools” at the top of the page
- Select Brandywine High & Middle School
- Click on the Program of Studies Guide in the middle of the page

Please accept our personal best wishes for a positive, involved, and successful school year.

Sincerely,

Patrick Weckel  
Middle/High School Principal

# BRANDYWINE COMMUNITY SCHOOLS

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## VISION, MISSION, AND BELIEFS

### **Vision**

*“Committed To Every Student’s Success”*

### **Mission**

The mission of Brandywine Community Schools, the educational foundation of this close-knit community, is to guarantee a quality education that challenges students to become productive and self-reliant citizens through diverse learning opportunities, high expectations, and strong parent and community partnerships in a safe and inclusive learning environment.

### **Beliefs**

We believe that:

- Every individual has worth.
- The human mind is our most valuable resource.
- High self-esteem is essential to the positive growth of the individual.
- A person’s well being depends upon a healthy balance between body, mind, and spirit.
- Individuals create their own futures by the choices that they make.
- Individuals have the right to a safe and orderly environment.
- Every individual has the right/opportunity to develop to his/her potential.
- Everyone can learn.
- Everyone has a right to lifelong learning.
- Everyone is responsible for his/her own actions.
- Everyone has a moral obligation to care about others.
- Excellence is attainable and worth the investment.
- Successful schools function as a community.
- The ability to create and manage change is essential.
- Success generates success.
- Vision gives hope and purpose to life.
- A strong work ethic and commitment are essential to goal realization.
- Effective education is best nurtured in a community environment with common vision, which provides equal opportunity to the global society.
- Public education fosters democracy.

### **OPEN DOOR POLICY**

Parents and members of the community are encouraged to visit Brandywine High School. In fact, voluntary assistance at the school is appreciated. Arrangements can be made for school tours, classroom visitations, and teacher conferences. Please feel free to call the school’s Main Office and we will do our best to accommodate your request.

# ACADEMIC PLANNING

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## Accreditation

The Michigan Department of Education and the North Central Association have accredited Brandywine High School.

## Career Pathways

The Brandywine Community Schools Career Pathway Program of Studies represents a commitment to the students of our community. At its core, this commitment is to offer students the opportunity to prepare for a professional or technical career by guiding them in the selection of a career major and the development of a planned career pathway. It is critical that the home, the school, and the community establish and maintain effective communication in order to assist in meeting both academic and career goals. By recognizing that students can be influenced and motivated by a variety of learning experiences, both within the school and within the community, we encourage collaborative career-related partnerships that will lead to student success. The following partnerships currently exist:

- Local colleges provide a variety of opportunities for Brandywine High School students to explore and earn college credit while still in high school.
- Local business partnerships have established cooperative ventures with Brandywine High School enabling students to gain valuable insight and experience in the workplace.
- The Berrien County Regional Education Service Agency along with the Brandywine Community Schools provides students with career awareness, career exploration, and career experiences through a variety of means.
- Career and Technical Education Advisory Committees meet with instructors to discuss current curriculum and the ways to align our curricular offerings to provide optimal learning experiences for our students.

## The Six Career Pathways

The Career Pathway options listed below include required courses for grades nine through twelve and recommended electives that are relevant to the pathway major. Students and parents should study these options carefully using them as guides for high school registration and post secondary planning. Guidance Counselors and teachers are available to students and parents to assist in the academic and career planning process.

Each Career Pathway has a major with a professional or a technical path. Students selecting the professional path should plan for a minimum of four years of post-secondary work. Students selecting the technical fields should consider a community college, technical school, trade school, or other post-secondary training for career level entry.

The following is a brief explanation of each of the six pathways:

- ***Arts and Communications Pathway:*** Careers related to the humanities, the performing, visual, literary, and media arts.
- ***Business Management, Marketing, and Technology Pathway:*** Careers related to all aspects of business including accounting, business administration, finance, information processing, and marketing.
- ***Engineering, Manufacturing, and Industrial Technology Pathway:*** Careers related to technologies necessary to design, develop, install, and maintain physical systems.
- ***Health Science Pathway:*** Careers related to the promotion of health, as well as the treatment of injuries, illness, and disease.
- ***Human Services Pathway:*** Careers related to childcare, civil service, education, hospitality, and social services.
- ***Natural Resources and Agriscience Pathway:*** Careers related to natural resources, agriculture, and the environment.

# STUDENT ACADEMIC AND CAREER PLANNING

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## Planning Your Schedule

It is the goal of the Brandywine Community Schools to create a climate where expectations are high, individual differences are nurtured, global awareness is promoted, lifelong learning is valued, self-esteem is enhanced, and all Brandywine students have the opportunity to experience success.

Each year, Brandywine High School students must make extremely important choices about the courses that they will select for the next school year. You, the student, are the **most important** factor in this selection. Planning your schedule is a serious undertaking. Although some courses are required, you will have many choices to make during your four years of high school. Your interests and your plans should guide the course choices that you make for the future.

Even though it may be tempting to choose less demanding courses, it may not be the best way to prepare for your future. The best general advice is to select as your major fields of study those subjects that stimulate and excite you and in which you do well, keeping in mind at the same time that eventually you must be educated well enough to earn a living in a highly technical world. You will have assistance from your counselor, your teachers, and your parents in the development of an educational development plan. It is important that you carefully read the course descriptions in this booklet so you don't miss an application deadline, a program, or an option. When planning your schedule you must always keep in mind four sets of requirements: graduation requirements, course prerequisites, college and vocational admissions requirements and any required application deadlines. These are explained in detail on the following pages.

Together with your parents, your counselor and your teachers, use the Four-Year Career Pathway Worksheet (p.62) contained in this *Program of Studies* to project your four-year program, paying particular attention to graduation requirements.

From the school's point of view, it is important that you do your educational soul-searching before, not after, you make out your schedule. Your schedule, along with the schedules of 400 others, will determine the staff needs and curriculum for next year. Obviously, late changes are discouraged because they cause logistical problems for the school. Hopefully, your original choices will reflect your final decisions; however, changes are possible before school begins according to the schedule change policy outlined on page 9.

**Student Planners:** To assure all BHS students learn to manage their time, helpful organizational planners have been provided to all students. The planner includes school rules and pertinent information parents will also want to review. Students must carry planners daily since they are also used for hall passes.

**Grade 9:** Each student will meet with a counselor to discuss the transition from the middle school to the high school. The meeting will focus on graduation requirements, updating the student's Educational Development Plan/career goals, and suggestions for next year's class schedule.

**Grade 10:** Each student will meet with a counselor to discuss their four-year Educational Development Plan, their progress toward graduation, and their class schedule for their junior year.

Sophomores take the PSAT to gain experience in taking college entrance type tests. This test is also the qualifying test for the National Merit Scholarship Program when taken in the 11th grade.

**Grade 11:** Each student will meet with a counselor to discuss their four-year Educational Development Plan, their progress toward graduation, and their class schedule for their senior year. A monthly Guidance Newsletter is given to junior students to assist them in planning for their senior year. The newsletter can also be viewed at [www.brandywinebobcats.org](http://www.brandywinebobcats.org). Just click on the student link and then go to the Counseling Site.

Juniors take the PSAT/NMSQT. The test gives juniors valuable feedback about academic skills and helps prepare college bound students for the ACT and SAT college admission tests. This test is also the qualifying test for the National Merit Scholarship Program.

Students are required to take the Michigan Merit Exam in order to graduate from high school. The MME consists of the SAT, WorkKeys Test, and Michigan components. The MME covers five areas: Math, Science, Writing, Reading, and Social Studies. Students may choose to retake the SAT if they wish to better their scores. Students can register for the test online at [www.collegeboard.org](http://www.collegeboard.org). Students may also wish to take the ACT. They can register for the test at [www.act.org](http://www.act.org).

College bound students should take the ACT and/or SAT tests for college admission in the spring of their junior year. If you do not wish to have your test scores on your transcript please contact the Counseling Office.

College Campus Visit: Juniors are allowed two college days to visit campuses of schools they are interested in attending. If these days are pre-approved, they will be considered non-counting absences. Forms are available in the Counseling Office. You must return this form to our office three days prior to your planned visit and have parent/guardian permission. Students may also sign up to visit with college representatives who visit the high school.

**Grade 12:** Students maintain close contact with their counselor as they complete their academic requirements for their high school diploma. The counselor will meet with each student individually and go over graduation requirements. A monthly Guidance Newsletter is given to seniors to notify them of scholarship opportunities and upcoming events. The newsletter can also be viewed at [www.brandywinebobcats.org](http://www.brandywinebobcats.org). Just click on the student link and then go to the Counseling Site. Students may pick-up college applications and scholarship information in the Counseling Office. **If a student does not want their test scores on their transcript they must notify the Counseling Office.**

If you are planning to enroll in college as a freshman and you wish to participate in Division I or Division II athletics, you must be certified by the NCAA Clearinghouse. It is your responsibility to make sure the Clearinghouse has the documents it needs to certify you. These documents are: Your NCAA application, your official transcript sent electronically using Parchment, and your ACT or SAT scores mailed directly from the test company. You can apply online at [www.eligibilitycenter.org](http://www.eligibilitycenter.org).

All seniors who are planning on going to college should have their college applications submitted by Thanksgiving Break. Most college applications will be completed online at the college's website where they are applying for admission.

College Campus Visit: Seniors are allowed two college days to visit campuses of schools they are interested in attending. If these days are pre-approved, they will not be included in the student's allowed days of absence before credit is lost. Forms are available in the Counseling Office. You must return this form to our office 3 days prior to your planned visit and have parent/ guardian permission. Students may also sign up to visit with college representatives here at school.

### **Schedule Change Policy**

Brandywine High School staff will work with parents and students to plan a four-year educational program and select specific courses for the following year. It is the school's position that making schedule changes after the school year begins disrupts instructional time. Since staffing and the master schedule are determined by student course selection, students are expected to honor their commitment and the spring deadline for making schedule changes. There are, however, circumstances that warrant a schedule change. Only incomplete schedules and scheduling conflicts will be resolved on the schedule revision days. **CHANGES MUST BE MADE WITHIN THE FIRST FIVE DAYS OF THE SEMESTER.** Schedule change requests must meet at least one of the following criteria:

Criteria for changes between the spring schedule change deadline and the beginning of school:

1. Failure to meet course prerequisites
2. Failure to meet graduation requirements
3. Elective changes due to change in college or career plans
4. Course changes due to completion of summer school
5. Inappropriate level placement

All parties must sign the schedule change form. Department chairpersons are involved as needed. A course level change requested after the end of week two could result in a grade of "F" on the student's transcript. Please note that requests for teacher changes are not automatically honored. (A parent conference is required with principal, counselor and teacher.)

# BRANDYWINE HIGH SCHOOL GRADUATION REQUIREMENTS

COURSE NAME	Credits
<b>English</b> English 9, English 10, English 11, English 12	4
<b>Mathematics</b> Algebra I Algebra II OR CAD, OR Manufacturing Academy Geometry One additional math class or math related class the senior year (math related classes are Auto Technology, CAD, Computer/Business, Machine Shop, or a Shared-Time class)	4
<b>Science</b> Biology I Chemistry OR Physics OR Anatomy One additional science class OR one of these Shared-Time classes- Allied Health, CISCO, Culinary Arts, EMT, Fire Fighting, Sports Medicine, PHCA	3
<b>Social Studies</b> World History, U.S. History, Civics and Economics	3
<b>Fine Arts</b> Art, Band, CAD, Choir, Culinary Arts, Machine Shop, Theater	1
<b>Health</b>	.5
<b>Physical Education</b>	.5
<b>Foreign Language (2 years of the same foreign language)</b> In place of the second year of a foreign language a student may take either Art, Auto Technology, Band, CAD, Choir, Computer Applications, Accounting, Business Tech. Management, Manufacturing Academy, a Shared-Time class, or Theater	2
<b>Online Learning Experience</b>	Yes
<b>Elective Credit Possibility</b>	10
<b>Required Credits for Graduation</b>	<b>26</b>
<b>Total Available Credit Opportunities</b>	28



# GRADUATION REQUIREMENTS

A. To graduate from Brandywine High School, a student shall have completed a minimum of 26 credits in several areas of study while in grades 9-12.

B. The credits necessary for graduation shall consist of credits earned in the areas specified below, and credits earned as Board approved electives.

1. English Language Arts	4	Credits
2. Mathematics	4	Credits
3. Science	3	Credits
4. Social Studies	3	Credits
5. Fine Arts	1	Credit
6. Health	.5	Credit
7. Physical Education: Lifetime Sports	.5	Credit
8. Foreign Language	2	Credits
9. Online Learning Experience	Yes	
Required Specific Course Credits	18	Credits
Elective Credits	10	Credits
Total Credits Required for Graduation	26	Credits
Total Available Credit Opportunities	28	Credits

Courses that may be counted among the above required credits are subject to the following provisions:

The Social Studies requirement shall include:

- One (1) credit in U.S. History (Grade 9)
- One-half (.5) credit in Civics (Grade 10)
- One-half (.5) credit in Economics (Grade 10)
- One (1) credit in World History (Grade 11)

Four years of Math must be taken in grades 9, 10, 11, and 12. The math courses must include Algebra I, Algebra II OR CAD OR Manufacturing Academy, Geometry, and an additional math course or math related course the senior year. Math related classes are: Auto Technology, CAD, Machine Shop, Business/Computer Courses, and Shared-Time classes. This will ensure that Brandywine students have met the math expectations that are required by the Michigan Merit Curriculum.

The (3) credits of Science shall include: Biology I, Chemistry OR Physics OR Anatomy, and one additional science course OR one of the following Shared-Time classes; Allied Health, CISCO, Culinary Arts, EMT, Fire Fighting, Sports Medicine, or PHCA.

Two years of a foreign language **may** be required for entrance into a college or a university. The student is responsible for checking entrance requirements to insure proper preparation. Two years of a foreign language is required for graduation from high school. In place of the second year of foreign language a student may take either Art, Choir, Band, Theater, Auto Technology, CAD, Manufacturing Academy, Computer Applications, Business Tech. Management, Accounting, or a Shared-Time class.

C. In addition to the courses listed above, students may use the courses listed in the Brandywine High School Program of Studies that have been approved by the Board in completing the (26) credits required for graduation. Also, the Board recognizes for graduation credit, courses approved by: the College Board, college and university courses for which students receive dual and/or direct credit, and courses as specified by the Michigan School Code. For credits from non-registered and non-accredited schools to be accepted the student must 1) present a course description and a list of the course objectives attained 2) validate the learning through the competency testing procedure.

D. The high school will offer courses it deems relevant to the educational goals of the Brandywine Community Schools. These offerings will be contingent upon budgetary constraints, staff availability and minimum student enrollment for such

courses. The Board directs the administration to develop guidelines for minimum student enrollments and procedures by which such guidelines will be implemented and adhered to.

E. A student must be enrolled in the equivalent of seven classes per semester to be classified as a full-time student.

F. In order to receive a Brandywine High School diploma, a student must successfully complete their senior year as a full-time student.

G. In order to be ranked in a class, a student needs to have completed two semesters as a full-time student.

H. All students are required to take all sections of the Michigan Merit Exam.

### Course Objectives and Course Examinations

Every teacher will provide the students in his/her classes with a course outline, course objective and classroom policies and procedures at the beginning of the school year every year. Every teacher will give a comprehensive semester exam or semester project that will count for 20% of the final semester grade. Each nine weeks grade will count for 40% of the final semester grade.

Semester Grade Breakdown:

40% Nine weeks grade

40% Nine weeks grade

20% Semester Exam

### Grading Standards

Report cards are issued at the end of each-nine week quarter. The letter grades listed below are used to designate the student's progress. Only semester grades are recorded on the permanent record. Brandywine High School is on a four point system to determine grade point average and all course grades are included in the unweighted grade point average.

	<b>GRADE PERCENTAGE</b>	<b>GRADE POINT VALUE</b>
A	90-100	4.0
B	80-89.9	3.0
C	70-79.9	2.0
D	60-69.9	1.0
F	0-59.9	0.0
W		0.0
W/F		0.0
I		0.0
CR		0.0
NC		0.0

- A "NC" grade means No Credit.

### Incompletes

Students who receive a grade of "I" (Incomplete) must complete necessary make-up work no later than the first five days of the subsequent grading period. Students who receive a grade of Incomplete because of prolonged illness or unusual circumstances must obtain approval from the Principal before the end of the five-day period to extend the deadline. Depending upon the circumstances of the situation, a grade of "F" (failing) may be used after the end of the second week of the grading period.

### Withdrawals

When it is determined by a teacher and a counselor that a student lacks sufficient academic ability or background preparation for success in a schedule course a grade of "W" (Withdrawn) will be given during the first three weeks of a semester. **Any course withdrawals after the end of the third week will result in a grade of "F".**

## **Course Repeats**

Under certain circumstances a student may repeat a course. For example, a student may want to repeat a prerequisite course in order to continue with the next course level in a sequence of courses. Retaking a course will not cause the removal of a previous course and course grade from a permanent record or from the calculations of Grade Point Average. It is not possible to remove an “F” grade from a permanent record by repeating the class. The repeated course is also calculated in the Grade Point Average but credit is earned only once for a course. Courses may be repeated with teacher recommendation.

## **Student Classification**

Students must meet the Brandywine High School graduation requirements in order to graduate. To assure that students know where they stand at all times in regards to their credits and graduation requirements, a school counselor will meet individually with students who are in jeopardy of not graduating at the end of each semester. At that time, the student will be made aware of their credit status. The student will be asked to sign a letter to that effect and the letter will be mailed to the student’s home. Students are classified by the number of credits that they have earned and not the number of years that they have attended high school. The classification requirements are:

**\*Sophomore Student- students must have a minimum of 5 credits to be considered a sophomore student.**

**\*Junior Student- students must have a minimum of 12 credits to be considered a junior student and have junior privileges.**

**\*Senior Student- students must have a minimum of 19 credits to be considered a senior student and have senior privileges.**

## **Course Credit**

One-half (.5) credit equals one (1) semester of class work successfully completed. One (1) credit equals two (2) semesters of class work successfully completed.

## **Transfer Students**

Transfer students who come to Brandywine High School will have their credits evaluated by the School Counselor. Inclusion into the class ranks will also be determined at this time. Senior transfer students will not be ranked.

## **Grade Reports**

Grade reports are issued as soon after the close of each nine-week grading period as is reasonably possible. **Parents may also check their student’s grades at anytime by logging on to PowerSchool.** You will need your student’s password and ID number. The school can provide you with this information.

## **Progress Reports**

Progress reports MAY BE sent home approximately halfway through each quarter to any student receiving a “D” or “F” in a class. Teachers may send a Student Progress Report for either of two reasons:

1. The student’s work is considerably below the level of expectation.
2. The student has exhibited outstanding achievement, or has improved since the last grading period.

## **Commencement Participation Policy**

Only those students who meet all graduation requirement and all obligations due to the school, in their entirety, may participate in the graduation ceremony. Students wishing to participate in Commencement must complete all graduation requirements **prior to** participating in the commencement ceremony. All students who have completed the requirements for high school graduation may participate in the graduation exercises unless participation is denied for just cause by the principal.

# SPECIAL PROGRAMS

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## **Shared-Time Programs**

Brandywine students may participate in shared-time programs that are run in the high schools throughout Berrien County. This opportunity provides an economical means to expand the curricular options for all students. Students may participate in these programs when they are juniors and seniors in high school. The student must complete the course with a grade of “C” or they will be required to reimburse the school district for all tuition and fees that have been paid for by the district. These tuition/fees must be paid before a student can graduate. A student may not enroll in a shared-time course if that course is offered at Brandywine High School unless a schedule conflict exists, course cancellation occurs, or required prerequisites are met. Students are required to enroll in the shared-time course for the entire school year.

## **Dual Enrollment Credit**

Brandywine students may participate in a college, junior college, technical, or trade school program and receive both high school and postsecondary credit. This opportunity provides an economical means to expand the curricular options for all students and also begins to build a bridge between the high school experience and the college experience. A student in good academic standing while attending Brandywine High School may, with the prior approval of the principal, enroll in postsecondary credit classes at approved institutions and earn high school credit as well as postsecondary credit. Also, in order to be eligible for dual enrollment credit, students must have qualifying standardized test scores. If a student receives an “F” in a dual enrollment course they MUST reimburse the school district all tuition and fees. These tuition/fees must be paid before a student can graduate.

## **Direct Credit**

Lake Michigan College offers Brandywine High School students college credits for certain classes that are taught at Brandywine High School. In order to be eligible students must: have qualifying standardized test scores and fill out a Lake Michigan College application. If a student receives an “F” in a direct credit course they MUST reimburse the school district all tuition and fees. These tuition/fees must be paid before a student can graduate.

## **Lake Michigan College- EARLY COLLEGE ACADEMY**

The academy is a more intensive Early College experience. You can take up to 12 contact hours per semester, compared to the two courses generally recommended for traditional dual enrollment plans. Those who attend during their junior and senior years and during the summer semesters can complete enough credits to earn an Associate’s Degree and enter college full time as a junior following high school graduation. All academy classes take place on Lake Michigan College’s Bertrand Crossing Campus in Niles, giving you the full college experience with other college students. Classes meet in the mornings, five days a week. The second half of your school day is spent at your high school, allowing you to participate in sports, music, and club activities. You can also choose to be part of the many LMC clubs and activities available to students. Students must have a 3.5 cumulative GPA and have qualifying standardized test scores. If a student receives an “F” in an Early College Academy course they MUST reimburse the school district all tuition and fees. These tuition/fees must be paid before a student can graduate.

## **5<sup>th</sup> Year Early/Middle College (E/MC)**

The Berrien County 5th Year Early/Middle College (E/MC) is an exciting and effective way for students to earn up to an Associate’s Degree while still in high school. Through this innovative program, students will be able to save both time and money as they pursue a college credential. This program is designed to provide all students an opportunity to earn a high school diploma AND a career certificate, a MEMCA Certificate or an Associate degree, all of which can assist a student on a Bachelor’s degree track or employment. **In order to complete the coursework required for this program, students will commit to spending three years in the E/MC, grades 11, 12, and 13.** To be eligible for this program students must be on track for graduation and have qualifying standardized test scores. If a student receives an “F” in an Early/Middle College course they MUST reimburse the school district all tuition and fees. These tuition/fees must be paid before a student can graduate.

### **Berrien County Mathematics and Science Center**

Students with high aptitude may apply to participate in the Berrien County Mathematics and Science Center at Andrews University. This program provides students with exciting and challenging explorations in mathematics, science, and technology through an enriched environment and rigorous curriculum. Students wishing to participate should contact their counselor for additional information.

### **Testing Out - Purpose: Schedule conflict or to meet prerequisite class.**

Any high school student may “test out” of a course. The “test out” option cannot be used for any course that a student is presently attending or has attended in any previous semester for one day. A student may attempt to “test-out” of a course only once. Earned credits will receive a “pass” grade only and will not be used in the computation of Grade Point Average.

A student wishing to “test out” of a course must comply with the following procedures:

1. The student will pick up an application from the Counseling Office to be approved by the student’s counselor and the building principal. If the student is a senior, this must be completed by Thanksgiving break. (None will be allowed 2nd semester senior year.)
2. The student must have his/her parent sign the application.
3. The student must return the application to the School Counselor.
4. A course description may be obtained by the student prior to taking the test.
5. Tests will be given by the School Counselor or teacher. Students will be notified prior to the test as to the exact time and location of the test.
6. Student will contact the teacher of the course(s) from which they plan to test out.
7. Student will request from the teacher the course outline, and the description of the test out requirements, including the texts used and a listing of any related material.
8. Students will be notified of their test results.
9. An overall passing grade of C+ is required to have successfully tested out of a course. This would include projects, labs, or any additional activities that the student may be required to complete.

### **Physical Education Graduation Requirement Waiver**

A student with a physical handicap will be provided with an alternative or adaptive PE program. Students enrolled in the Andrews Math/Science Center are the **ONLY** students who may file for a waiver of the physical education graduation requirements. A student who receives a physical education waiver will receive a “pass” grade only and the waiver will not be used in the computation of Grade Point Average. The following steps must be followed:

1. The student must pick up an application from the Counseling Office to be approved by the student’s counselor and the building principal prior to selection of classes in February/March of his/her junior year.
2. The student must have his/her parent sign the application.
3. The graduation requirement for physical education will be waived for those students who: either
  - A. Participate fully in three (3) interscholastic sport seasons during their four years Brandywine High School career, or
  - B. Participate fully in two (2) interscholastic sport seasons and one (1) full season of marching band during their four year Brandywine High School career.

### **Internet Based Courses**

Students are able to take up to two on-line courses per semester. Go to [www.micourses.org](http://www.micourses.org) for more information and to view course offerings. **Before enrolling, check with your school counselor for permission and/or information on how to earn this kind of credit. Students must submit an application requesting the course(s) they would like to take online the semester BEFORE they wish to take the online course(s).**

### **Brandywine Innovation Academy**

An alternative education program of studies has been developed for students in grades 9-12 who are experiencing difficulties in the traditional school setting. Students may apply for the program through their School Counselor. Referral to Brandywine Innovation Academy (BIA) comes from the home school upon recommendation of the administration. If a student wishes to transfer back to Brandywine High School from BIA, their credit will be transferred back to the high school on an appropriate pro-rated bases. Alternative school grades are computed into a student’s Grade Point Average.

### **Credit Recovery**

Students who are in danger of not having enough credits to graduate due to failure will have the opportunity to take classes in the evening. This opportunity will allow students the ability to recover their credits and possibly graduate on time. Students must complete each class with a final score of 70% or above and they will receive a corresponding letter grade on their transcript. There may be a cost for credit recovery classes.

Summer school courses may be available at the high school. Students must complete each class with a final score of 70% or above and they will receive a corresponding letter grade on their transcript. Summer school courses are also available at area schools and can be taken to assist students who are behind on their high school credits due to failure. Students must get all summer school courses that they wish to take approved by the high school counselor PRIOR to enrolling in the course(s).

### **Personal Curriculum (PC)**

A Personal Curriculum is a process to modify specific credit requirements and/or content expectations based on the individual learning needs of a student. It is designed to serve students who want to accelerate or go beyond the Michigan Merit Curriculum (MMC) requirements and students who need to individualize learning requirements to meet the MMC requirements.

### **Foreign Exchange**

Brandywine High School welcomes all Foreign Exchange students involved in State Board of Education approved programs. We believe that a Foreign Exchange Program can do much to create a better understanding between young people of different countries. For enrollment of a foreign exchange student at Brandywine, it is expected that the student be enrolled in a high school in their home country and is residing with a current Brandywine resident and Brandywine High School student. It is expected that Foreign Exchange students must be able to communicate in proficient English. We also require the application to be completed in the spring prior to enrollment. Foreign Exchange students must enroll for the entire school year (September – June). Applications can be obtained from the Principal's Office. Brandywine High School will only accept up to 5 Foreign Exchange students per year.

The staff at Brandywine High School stands ready to assist the foreign exchange student in any way possible to make the transition a comfortable one. Special effort will be made to enter the student into classes comparable with their ability and interest based upon the evaluation of the transcript as signed by an official of the sending school.

Most exchange students receive an *Attendance Certificate* at the end of the school year, not a Brandywine diploma. If an exchange student would prefer to determine his/her eligibility to receive a *Brandywine High School Diploma*, the transcript must be evaluated, at student expense, by a professional evaluator. Please note that in order to receive a Brandywine High School Diploma, a student must satisfy all of the Brandywine High School and State of Michigan requirements for such a diploma.

Foreign Exchange students are always encouraged to take part in school activities-clubs, athletics, band and chorus, and other school wide events. Several services not provided by the school include free lunches, books, class rings, yearbooks, caps and gowns and the cost of field trips. The school is not responsible for recruiting families from its area to provide homes for students.

To summarize, Brandywine High School supports the Foreign Exchange Student Program. The school and staff will continue to strive toward developing a positive educational experience for all foreign exchange students. Brandywine High School students who desire to enroll in a foreign exchange school through a State Board of Education approved Foreign Exchange Program should contact their school counselor to pre-arrange course work to comply with state and local graduation requirements and simultaneously meet career planning goals.

# GUIDANCE

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## **Guidance and Counseling Services**

Guidance and Counseling Services are offered to all students. The emphasis is on the total development of each individual, addressing the educational, career, personal, and social needs of all students. Counselors meet with students individually, in small groups, and in classes. The primary goals of Guidance Services are to help each student prepare for a meaningful future and develop self-understanding. Visit [www.brandywinebobcats.org](http://www.brandywinebobcats.org) for more information. Just click on the student link and then go to the Counseling Site.

Some of the guidance and counseling programs and services include:

### Academic Development

- Complete a career centered Educational Development Plan (EDP)
- Assist with course selection and placement
- Interpret test results
- Provide financial aid information
- Provide scholarship information
- Assist with postsecondary planning
- Help students with academic problems
- Provide information on postsecondary institutions
- Sponsor college/military representative program

### Career Development

- Conduct computerized career/educational/military program
- Provide career speaker program
- Conduct interest inventories
- Assist with postsecondary planning
- Provide and maintain the career/educational resource room

### Personal/Social Development

- Provide individual counseling as needed
- Offer group counseling for issues including family problems, sexual abuse, recovery from drugs/alcohol, motivation/ school adjustment, anger control, pregnant teens, self-esteem

### Other

- Consult with parents, teachers, administrators and support staff
- Coordinate various classroom guidance programs with teachers
- Coordinate and implement college nights, orientation programs, financial aid nights, postsecondary education night programs
- Assist with Student Recognition and Commencement
- Provide testing programs and information on PSAT, SAT, ACT, MME, NWEA, ASVAB, and achievement tests
- Check credits and graduation requirements, and maintain records

## **Career Resource Center**

Our primary responsibility as a school is to educate our students for eventual employment. To this end, the development of a four-year plan using the career pathways model is the central organizing activity in the high school academic experience.

Our goal is to provide accurate and high quality information, assistance, and support concerning future choices, and an appropriate program of studies to our students and their parents. The Career Resource Center is an extension of the Counseling Office and serves as the resource center for all career materials including college and financial aid information, scholarships, DVD's, view books, applications, and assorted reference materials.

Representatives from colleges located across the United States visit our high school yearly to meet with our students. The counseling staff also presents evening programs for both parents and students on such topics as college choice, scholarships, financial aid, college testing, and preparing for the college experience.

**College Admissions Test Dates**

It is **highly** recommended that college-bound juniors take the SAT and/or ACT in the spring of their junior year. Information and applications for both of these tests are available in the Counseling Office and students must register for testing 4-6 weeks prior to the test. You may also register on-line at [www.act.org](http://www.act.org) for the ACT or [www.collegeboard.com](http://www.collegeboard.com) for the SAT.

**The Brandywine High School ACT/SAT School Code is 232-807.**

Preliminary Test Dates				
SAT	ACT	PSAT	NWEA	MME
August	September	October	September	April
October	October			
November	December		April/May	
December	February			
March	April			
May	June			
	July			



# AWARDS

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## **A/B Honor Roll**

Students who earn all A's and B's are eligible for the A/B Honor Roll. No "X"s or No Fail to Earn Credit will be accepted.

## **Academic Excellence Honor Roll**

Students who earn a 4.0 grade point average are eligible for the Academic Excellence Honor Roll. No "X"s or No Fail to Earn Credit will be accepted.

## **Academic Letter**

An Academic Letter will be awarded to all students who have maintained a cumulative GPA of 3.50 or higher at the conclusion of their third semester.

\*Once the student has received an Academic Letter, he/she is eligible for the Lamp of Knowledge if a cumulative 3.50 GPA or higher is maintained at the conclusion of their fifth semester.

\*Once the student has received the Lamp of Knowledge pin, he/she is eligible for a Bar pin if a cumulative 3.50 GPA or higher is maintained at the conclusion of their seventh semester.

## **National Honor Society**

Teachers at Brandywine participate in the selection of students that are sophomores, juniors or seniors for National Honor Society, a national organization for the recognition of outstanding students. Membership in National Honor Society is an honor and is based equally upon scholarship (3.3 Minimum Grade Point Average), leadership, service and character.

## **National Foreign Language Honor Society (Spanish/French National Honor Society)**

Selection into these separate societies is made by the sponsor of each society. Students who are selected must have completed three semesters of their respective language with an "A" and have an overall 3.3 Grade Point Average.

## **Presidential Academic Awards**

Brandywine High School offers the President's Award for Educational Excellence and the President's Award for Educational Achievement at the Honors Program for SENIOR students who qualify.

## **ALPHA/BETA AWARD**

The ALPHA/BETA Award is given to the student who represents the characteristics of scholarship, service, leadership, and character that are held in highest esteem by the school community. They are the heart of Brandywine. The faculty will select the recipient of this award. The award will be presented at the Honors Assembly and they will be recognized at Commencement.

## **Top Ten Students**

The Top Ten Students will be identified based upon their cumulative grade point average. The Top Ten Students are determined at the end of the 7th semester. They will be recognized annually at the Honors Assembly and at Commencement.

## **Valedictorian**

The Valedictorian will be identified as the student with the highest grade point average in the graduating class as determined after the 7th semester. They will be honored at Commencement.

## **Salutatorian**

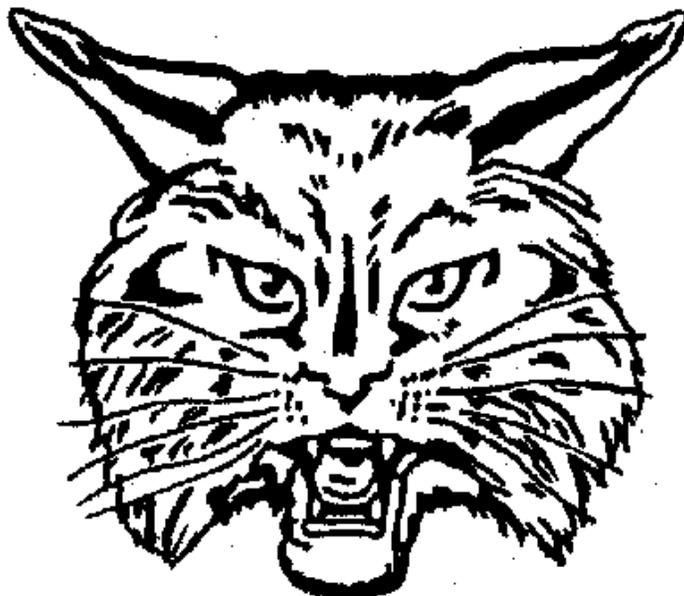
The Salutatorian will be identified as the student with the second highest grade point average in the graduating class as determined after the 7th semester. They will be honored at Commencement.

### **Departmental Awards**

An award will be presented to a senior student by each of the departmental areas based upon exemplary academic performance in that area. Students receiving these awards will be recognized at the Honors Assembly.

### **Scholarships**

Colleges, businesses and industry, as well as civic, fraternal and educational groups offer other scholarship opportunities. In past years, Brandywine students have gathered over two million dollars in scholarship monies. Students should refer to the monthly Guidance Newsletter and also consult with their counselor in an effort to discover those scholarships. The newsletter along with other important information is posted on the High School Counseling web page. Just go to [www.brandywinebobcats.org](http://www.brandywinebobcats.org) and click on the student link and then go to the Counseling Site.





## Arts & Communication: Occupations



<i>Fine &amp; Performing Arts</i>	<i>Graphic Arts</i>	<i>Journalism</i>	
<b>Technical</b> Accompanist Actor/Actress Artist Asst. Director Asst. Producer Band/Orchestra Member Furniture Designer Cartoonist Choreographer Chorus Member Composer Dancer Disc Jockey Fashion Designer Illustrator Light Technician Model Musician Painter Sculptor Set Decorator Theatre Technician Vocal Performer	<b>Professional:</b> Accompanist Actor/Actress Art Director Artist Band/Orchestra Member Choreographer Chorus Member Composer Dancer Director Historian Interior Designer Lighting Director Musician Painter Producer Sculptor Set Designer Vocal Performer	<b>Technical</b> Desktop Publishing Graphic Art In-Plant Printing Layout Artist Printing Press Operator  <b>Professional</b> Computer Animator Customer Service Representative Desktop Publisher Graphic Art Educator Graphic Designer Graphic Artist Quick Printing Screen Printing Photographer Point-of-Purchase Display Artist Pre-press Supervisor Print Shop Manager Web Master	<b>Technical</b> Assistant Newswriter Assistant Production Manager Assistant Writer/Editor Journalism Technician Layout Planner Technical Writer  <b>Professional</b> Author Columnist Editor Media Announcer Newspaper Reporter Production Manager Publisher Radio/TV Broadcaster Technical Writer Writer

  
**PRIDE**

## Arts & Communication

### *Recommended Course Sequence*

Technical: 2 Years Of College		Professional: 4 Years Of College	
Grade 9	Grade 10	Grade 9	Grade 10
English 9	English 10	English 9	English 10
Math	Math	Math	Math
U.S. History	Civics (1/2 credit)	U.S. History	Civics (1/2 credit)
Science	Economics (1/2 credit)	Science	Economics (1/2 credit)
Physical Ed (1/2 credit)	Science	Physical Ed (1/2 credit)	Science
Health (1/2 credit)	Foreign Language	Health (1/2 credit)	Foreign Language
Foreign Language	Elective	Foreign Language	Elective
Elective	Elective	Elective	Elective
Grade 11	Grade 12	Grade 11	Grade 12
English 11	English 12	English 11	English 12
Math	Math	Math	Math
World History	Elective	World History	Science
Science	Elective	Science	Foreign Language
Elective	Elective	Foreign Language	Elective
Elective	Elective	Elective	Elective
Elective	Elective	Elective	Elective
Suggested Career Core Classes		Suggested Career Core Classes	
Art I-IV	Choir	Art I-IV	CAD I
Band I-IV	Theater	Band I-IV	CAD II
Sociology	Yearbook	Choir	CAD III
Psychology	CAD I	Computer Applications	CAD IV
Computer Applications	CAD II	Bus. Tech. Mgmt	Theater
Bus. Tech. Mgmt	CAD III	Sociology	News Broadcasting
Jazz Band	News Broadcasting	Psychology	Jazz Band
		Yearbook	Early College Academy
			Dual Enrollment
Some Post-Secondary Options		Some Post-Secondary Options	
Bay De Noc Comm. College	Northwestern Mich.	Albion College	Indiana Un.- South Bend
Delta College	Oakland Community	Alma College	Ivy Tech
Glen Oaks Comm. College	Southwestern Mich.	Andrews University	Kalamazoo College
Grand Rapids Comm. College		Baker College	Michigan State. Un.
Henry Ford Comm. College		Calvin College	Michigan Tech.
Ivy Tech.		Central Michigan University	Northern Mich. Un.
Kalamazoo Valley Community		Concordia University	Northwood University
Kellogg Comm. College		Eastern Michigan University	Oakland University
Kirtland Comm. College		Ferris State University	Olivet College
Lake Michigan College		Grand Valley State Un.	Saginaw Valley
Lansing Comm. College		Hillsdale College	Western Michigan Un.
Macomb Comm. College		Hope College	University of Michigan



# *Business, Management, Marketing & Technology: Occupations*



## *Marketing*

### **Technical**

Advertising Agent  
 Art Director  
 Assistant Buyer  
 Asst. Distribution Manager  
 Asst. Public Relations Officer  
 Asst. Sales Manager  
 Automobile Sales Manager  
 Business Manager  
 Claims Manager  
 Copywriter  
 Department Manager  
 Entrepreneur  
 Insurance Adjuster  
 Insurance Agent  
 Marketing Research Specialist  
 Media Buyer  
 Merchandise Displayer  
 Project Director  
 Real Estate Appraiser  
 Real Estate Agent  
 Small Business Mgr.  
 Tele-Marketing  
 Trade Show

### **Professional**

Account Executive  
 Advertising Director  
 Agency Manager  
 Automobile Dealer  
 Bank Manager  
 Corporate Manager  
 Credit Union Manager  
 Wholesale Manager  
 Distribution Manager  
 Entrepreneur  
 Foods Manager  
 Insurance Risk Manager  
 International Manager  
 Lobbyist/Public Relations Manager  
 Manuf. Representative  
 Purchasing Agent/Buyer  
 Real Estate Broker  
 Retail Manager  
 Sales Manger  
 Small Business Owner  
 Tele-Marketing Mgr.

## *Accounting*

### **Technical**

Assistant Accountant  
 Bank Teller  
 Bookkeeper  
 Credit Analyst  
 Loan Officer

### **Professional**

Accountant  
 Analysis Consultant  
 Auditor  
 Budget Analysis  
 Buyer  
 Certified Managerial Accountant  
 Certified Public Accountant  
 Comptroller  
 Financial Analyst  
 Hotel Manager  
 Loan Officer  
 Management  
 Purchaser  
 Stock Broker

## *Office Technologies*

### **Technical**

Bank Teller  
 Billing Clerk  
 Court Reporter  
 Credit Clerk  
 Executive Assistant  
 Executive Secretary  
 General Office Clerk  
 Hotel Clerk  
 Information Clerk  
 Legal Secretary  
 Medical Secretary  
 Para Legal  
 Receiving Clerk  
 Receptionist  
 Secretary  
 Shipping Clerk  
 Work Processing Specialist

### **Professional**

Administrative Assistant  
 Administrative Service Manager  
 Business Manager  
 Clerical Supervisor  
 Data Processing Manager

## *Computer Information System*

### **Technical**

Computer Operator  
 Computer & Office Machine Repair  
 Computer Science Technician  
 Data Entry Technician  
 Data Processing  
 Microcomputer Applications Clerk

### **Professional**

Computer Programmer  
 Data Processing Supervisor  
 Systems Analyst  
 Systems Designer

## Business, Management, Marketing & Technology

### *Recommended Course Sequence*

Technical: 2 Years Of College		Professional: 4 Years Of College	
Grade 9	Grade 10	Grade 9	Grade 10
English 9	English 10	English 9	English 10
Math	Math	Math	Math
U.S. History	Civics (1/2 credit)	U.S. History	Civics (1/2 credit)
Science	Economics (1/2 credit)	Science	Economics (1/2 credit)
Physical Ed (1/2 credit)	Science	Physical Ed (1/2 credit)	Science
Health (1/2 credit)	Foreign Language	Health (1/2 credit)	Foreign Language
Foreign Language	Elective	Foreign Language	Elective
Elective	Elective	Elective	Elective
Grade 11	Grade 12	Grade 11	Grade 12
English 11	English 12	English 11	English 12
Math	Math	Math	Math
World History	Elective	World History	Science
Science	Elective	Science	Foreign Language
Elective	Elective	Foreign Language	Elective
Elective	Elective	Elective	Elective
Elective	Elective	Elective	Elective
Suggested Career Core Classes		Suggested Career Core Classes	
Accounting I	Current Events	Accounting I	CISCO
Accounting II	Yearbook	Accounting II	Yearbook
Art I	Sociology	Computer Applications	CAD I
Computer Applications	Psychology	Art I	CAD II
CISCO	Ind. Living	Current Events	Sociology
Bus. Tech. Mngt		Bus. Tech. Mngt	Psychology
		Test Prep	Early College Academy
		Ind. Living	Dual Enrollment
Some Post-Secondary Options		Some Post-Secondary Options	
Baker College	North Central Michigan	Albion College	Kalamazoo College
Bay De Noc Comm. Coll.	Northwestern Michigan Coll.	Alma College	Kettering College
Bay Mills Comm. Coll.	Oakland Comm. College	Andrews University	Marygrove College
Glen Oaks Comm. Coll.	Schoolcraft College	Baker College	Michigan State University
Henry Ford Comm. Coll.	Southwestern Michigan Coll.	Calvin College	Michigan Tech. University
Ivy Tech.	Washtenaw Comm. Coll.	Central Michigan Un.	Northern Michigan University
Jackson Comm. College		Eastern Michigan Un.	Northwood Univ.
Kalamazoo Comm. Coll.		Ferris State Un	Olivet College
Lake Michigan College		Grand Valley State Un.	Saginaw Valley State University
Lansing Comm. College		Hope College	University of Michigan
Macomb Comm. College		Indiana Un-S. Bend	Western Michigan University
Mid Michigan Comm. Coll.		Ivy Tech.	



# *Engineering/Manufacturing and Industrial Technology: Occupations*



<b>Building Construction</b>	<b>Transportation</b>	<b>Electricity and Electronic</b>
<b>Technical</b>	<b>Technical</b>	<b>Technical</b>
Assistant Builder	Aeronautical Technician	Aircraft Electronics Technician
Asst. Building Superintendent	Aircraft Mechanic	Audio and Sound Specialist
Brick/Cement Mason	Airplane Pilot-Licensed	Audio Service Technician
Building Contractor	Auto Body Technician	Automated Equipment Tech
Carpenter	Auto Mechanic	Biomedical Technician
Energy Technician	Bus/Taxi/Limo Driver	Broadcast Technician
Estimator	Collision Estimator	Camera Operator
Furniture Maker	Flight Engineer	Computer Technician
Millwork	Heavy Equip/Truck/Bus Mechanic	Digital Computer Technician
Painter/Finisher	Marine Mechanic	Electrical Appliance Repair
Paper Hanger	Motorcycle Mechanic	Electrical Technician
Plaster/Dry Wall Installer	Railroad Engineer	Electrician
Plumber	Truck Driver	Electronics Instructor
Structural Steel Worker	<b>Professional</b>	Electronics Technician
Surveyor's Helper	Aircraft Pilot-Commercial	Guided Missile Technician
Tile/Floor Installer	Auto Body Owner/Mgr.	Industrial Elect. Apprentice
<b>Professional</b>	Auto Mechanic Master	Marine Electronics Specialist
Builder	Auto Service Manager	Photo-Optics Technician
Building Contractor	Automotive Engineer	Quality Control Technician
Building Inspector	Aviation Maintenance Manager	Sound Technician
Building Superintendent	Flight Engineer-Commercial	Video/Radio/TV Technician
Estimator	Trucking Fleet Manager	
Scheduler		<b>Professional</b>
<b>Research Occupations</b>	<b>Manufacturing Technology</b>	
<b>Professional</b>	<b>Technical</b>	Acoustical Engineer
Actuary	Automated Equipment Tech.	Aeronautical Engineer
Agricultural Economist	Automated Systems Programmer	Biomedical Engineer
Applied Mathematics	Computer Numeric Control	Circuit Engineer
Artificial Intelligence	Indust. Main. Mechanic Appr.	Communications Engineer
Computer Scientist	Industrial Welder	Computer Division Manager
Market Research Analyst	Machine Builder Apprentice	Computer Science Engineer
Mathematician	Machine Maintenance Tech	Consulting Engineer
Network Engineer/Analyst	Machine Repairer Apprentice	Control Engineer
Operations Research Analyst	Mechanical Technician	Electrical Engineer
Physicist	Model Maker	Electronics Engineer
Rate Analyst	Plastics Technician	Electronics Engineer Technician
Social Scientist	Precision Machinist	Electronics Manager
Sociologist	Quality Control Technician	Electrician
Statistician	Tool & Die Maker	Engineering Education
Urban Planner	<b>Professional</b>	Environmental Engineer
<b>Technical</b>	Aeronautical Engineer	Field Service Engineer
Apprentice Machine Designer	Agricultural Engineer	Fire Protection Engineer
Architectural Drafter	Chemical Engineer	Illuminating Engineer
Comp.-Aided Design Operator	Die/Mold Engineer	Mechanical Engineer
Machine Designer	Industrial Engineer	Nuclear Engineer
Mold Designer	Mechanical Engineer	Physicist
Tool & Die Designer	Nuclear Engineer	Radio Engineer
<b>Professional</b>	Plastics Engineer	Sound Director
Architect/Design Eng.	Production Technology Mgr.	

# Engineering/Manufacturing and Industrial Technology

## *Recommended Course Sequence*

Technical: 2 Years Of College		Professional: 4 Years Of College	
Grade 9	Grade 10	Grade 9	Grade 10
English 9	English 10	English 9	English 10
Math	Math	Math	Math
U.S. History	Civics (1/2 credit)	U.S. History	Civics (1/2 credit)
Science	Economics (1/2 credit)	Science	Economics (1/2 credit)
Physical Ed (1/2 credit)	Science	Physical Ed (1/2 credit)	Science
Health (1/2 credit)	Foreign Language	Health (1/2 credit)	Foreign Language
Foreign Language	Elective	Foreign Language	Elective
Elective	Elective	Elective	Elective
Grade 11	Grade 12	Grade 11	Grade 12
English 11	English 12	English 11	English 12
Math	Math	Math	Math
World History	Elective	World History	Science
Science	Elective	Science	Foreign Language
Elective	Elective	Foreign Language	Elective
Elective	Elective	Elective	Elective
Elective	Elective	Elective	Elective
Suggested Career Core Classes		Suggested Career Core Classes	
Construction Trades	Computer Applications	Construction Trades	Machine Technology
Manufacturing Acad. I	Auto Fund	Welding	Machine Eng Tech
Manufacturing Acad. II	Auto Technology I	Math/Science Center	Computer Applications
Current Events	Auto Technology II	Manufacturing Acad. I	Physics I
Machine Tech	Auto Serv. Man	Manufacturing Acad. II	Chemistry I
Machine Eng. Tech	Art I	Cad I	Chemistry II
Cad I	Ind. Living	Cad II	Accounting I
Cad II	Accounting I	Cad III	Auto Fund
Cad III	Welding	Cad IV	Auto Technology I
Cad IV	Mechatronics	Calculus I	Auto Technology II
		Psychology	Auto Serv. Man
		Sociology	Early College Academy
		Mechatronics	Dual Enrollment
Some Post-Secondary Options		Some Post-Secondary Options	
Alpena Comm College	Lansing Comm College	Adrian College	Michigan State University
Bay De Noc Comm Coll	Lincoln Tech	Baker College	Michigan Tech. University
Delta College	Macomb Comm College	Central Michigan Un.	Northern Michigan University
Glen Oaks Comm Coll.	Mid Michigan Comm College	Eastern Michigan U.	Northwood University
Gogebic Comm College	Schoolcraft College	Ferris State University	Oakland University
Grand Rapids Comm Coll	Southwestern Michigan Coll.	Grand Valley State Un.	Saginaw Valley State Univ.
Henry Ford Comm Coll	Un. Of Northwestern Ohio	Hope College	Un. Of Northwestern OH
Ivy Tech	Universal Tech. Institute	Ivy Tech	Universal Tech. Institute
Jackson Comm College	Washtenaw Comm Coll.	Kettering College	University of Michigan
Kalamazoo Valley Comm		Lake Superior State	Wayne State University
Kellogg Comm College		Lawrence Tech Univ.	Western Michigan University
Lake Michigan College		Lincoln Tech	



## *Health Sciences: Occupations*



### **Technical**

Certified Nursing Asst.  
Dental Hygienist  
Dental Laboratory Tech  
Dietary Technician  
Emergency Medical Tech. (EMT)  
Fitness Coach  
Hearing Testing Technician  
Medical Laboratory Tech  
Nuclear Medicine Tech  
Nurse (LPN)  
Occupational Therapy Asst.  
Optometric Technician  
Pharmacy Technician  
Physical Therapy Asst.  
Radiologic Technologist  
Ultrasound Technologist  
Veterinary Technician

### **Professional**

Audiologist  
Caseworker  
Dietician/Nutritionist  
Medical Technologist  
Occupational Therapist  
Pharmacist  
Physical Therapist  
Radiologist Nurse  
Registered Nurse  
Social Worker  
Speech Pathologist  
Sports Medicine Therapist

### **Professional Plus Advanced Degree**

Chiropractor  
Dentist  
Dermatologist  
Internist  
Microbiologist  
Ophthalmologist  
Pediatrician  
Physician  
Psychiatrist  
Surgeon  
Veterinarian



## *Health Sciences*

### *Recommended Course Sequence*

Technical: 2 Years Of College		Professional: 4 Years Of College	
Grade 9	Grade 10	Grade 9	Grade 10
English 9	English 10	English 9	English 10
Math	Math	Math	Math
U.S. History	Civics (1/2 credit)	U.S. History	Civics (1/2 credit)
Science	Economics (1/2 credit)	Science	Economics (1/2 credit)
Physical Ed (1/2 credit)	Science	Physical Ed (1/2 credit)	Science
Health (1/2 credit)	Foreign Language	Health (1/2 credit)	Foreign Language
Foreign Language	Elective	Foreign Language	Elective
Elective	Elective	Elective	Elective
Grade 11	Grade 12	Grade 11	Grade 12
English 11	English 12	English 11	English 12
Math	Math	Math	Math
World History	Elective	World History	Science
Science	Elective	Science	Foreign Language
Elective	Elective	Foreign Language	Elective
Elective	Elective	Elective	Elective
Elective	Elective	Elective	Elective
Suggested Career Core Classes		Suggested Career Core Classes	
Lifetime Sports	Sports Medicine	Biology I	Sports Medicine
Computer Applications	Prof Health Careers Acad	Biology II	Prof Health Careers Acad I
Physics I	EMT	Chemistry I	Prof Health Careers Acad II
Chemistry I	Allied Health	Chemistry II	Allied Health
Anatomy	Bus. Tech. Mngt	Anatomy	EMT
Biology I	Family Health	Physics I	Pre-Calculus
Sociology	Independent Living	Computer Applications	Calculus
Psychology	Parenthood Ed.	Psychology	Independent Living
		Sociology	Family Health
		Parenthood Ed.	Early College Academy
		Math/Science Center	Dual Enrollment
Some Post-Secondary Options		Some Post-Secondary Options	
Albion College	Macomb Comm. College	Alma College	Kalamazoo College
Bay De Noc Comm. Coll	Southwestern Michigan	Andrews University	Madonna University
Bay Mills Comm. Coll		Baker College	Michigan State University
Glen Oaks Comm. College		Calvin College	Michigan Tech University
Gogebic Comm. College		Central Michigan Un	Northern Michigan University
Henry Ford Comm. Coll		Cornerstone University	Northwood University
Indiana Un.- S. Bend		Eastern Michigan Un	Oakland University
Ivy Tech		Ferris State University	Saginaw Valley State University
Kalamazoo Valley		Grand Valley State Un	Siena Heights Univ.
Kellogg Comm. College		Hillsdale College	University of Michigan
Lake Michigan College		Hope College	Wayne State
Lansing Comm. College		Indiana Un- S. Bend	Western Michigan University



# *Human Service Occupations*



## ***Fire Science***

Firefighter  
Fire Investigator

## ***Law Enforcement***

**Professional Plus Advanced Degree**  
Corrections/Probation/Parole Officer  
FBI  
Lawyer/Judge  
Officer/Police Chief  
Private Detective  
Security Director  
Sheriff/Detective  
State Police Commander

## ***Teaching Occupations***

**Technical**  
Elementary Education Teaching Assistant  
Library Assistant  
Paraprofessional  
Secondary Education Teaching Assistant  
Teaching Assistant  
**Professional**  
College Instructor/Professor  
Counselor/ Social Worker  
Elementary Teacher (K-6)  
Librarian  
Secondary Teaching (7-12)  
Special Education Teacher (K-12)

## ***Hospitality and Food Services***

**Technical**  
Asst. Conference Manager  
Asst. Hotel/Motel Manager  
Baker  
Bartender  
Butcher  
Card Dealer  
Cashier  
Chef  
Cook  
Flight Attendant  
Front Desk Manager  
Special Events Director  
Tourism Assistant  
Travel Agent  
Wait Staff  
**Professional**  
Concierge  
Conference Manager  
Convention Director  
Cruise/Tour Director  
Executive Chef  
Food Services Manager  
Home Economist  
Hotel/Motel Manager  
Special Events Coordinator  
Tourism Director

## ***Child/Adult Care***

**Technical**  
Child Care/Nursery Attendant  
Cosmetologist/Barber  
Day Care Assistant  
Day Care Director  
Home Care Attendant  
Nursing Home Worker  
Pre-School Aide  
Recreational Technician  
Social Services Worker  
**Professional**  
Caseworker  
Child Care Administrator  
Early Childhood Educator  
Nursing Home Administrator  
Preschool Teacher  
Recreational Supervisor  
Social Worker

# Human Services

## *Recommended Course Sequence*

Technical: 2 Years Of College		Professional: 4 Years Of College	
Grade 9	Grade 10	Grade 9	Grade 10
English 9	English 10	English 9	English 10
Math	Math	Math	Math
U.S. History	Civics (1/2 credit)	U.S. History	Civics (1/2 credit)
Science	Economics (1/2 credit)	Science	Economics (1/2 credit)
Physical Ed (1/2 credit)	Science	Physical Ed (1/2 credit)	Science
Health (1/2 credit)	Foreign Language	Health (1/2 credit)	Foreign Language
Foreign Language	Elective	Foreign Language	Elective
Elective	Elective	Elective	Elective
Grade 11	Grade 12	Grade 11	Grade 12
English 11	English 12	English 11	English 12
Math	Math	Math	Math
World History	Elective	World History	Science
Science	Elective	Science	Foreign Language
Elective	Elective	Foreign Language	Elective
Elective	Elective	Elective	Elective
Elective	Elective	Elective	Elective
Suggested Career Core Classes		Suggested Career Core Classes	
Sociology	EMT	Sociology	EMT
Psychology	Fire Fighting	Psychology	Fire Service
Parenthood Ed.	Cosmetology	Family Health	Cosmetology
Independent Living	Criminology	Current Events	Criminology
Family Health	Culinary Arts	Accounting I	Culinary Arts
Computer Applications	Bus. Tech Mngt	Computer Applications	Independent Living
Accounting I	Current Events	Parenthood Ed.	Early College Academy
		Bus. Tech. Mngt	Dual Enrollment
Some Post-Secondary Options		Some Post-Secondary Options	
Bay De Noc Comm. Coll.	Lansing Comm. College	Albion College	Kalamazoo College
Bay Mills Comm. College	Macomb Comm. College	Alma College	Kettering College
Glen Oaks Comm. College	Oakland Comm. College	Andrews University	Marygrove College
Gogebic Comm. College	Schoolcraft College	Baker College	Michigan State University
Henry Ford Comm. College	Southwestern Michigan Col	Calvin College	Michigan Tech. University
Ivy Tech	Washtenaw Comm. College	Central Michigan Un	Northern Michigan University
Kalamazoo Valley Comm.		Eastern Michigan Un	Northwood Univ.
Kellogg Comm. College		Ferris State Un	Olivet College
Kirtland Comm. College		Hope College	Saginaw Valley State Univ.
Lake Michigan College		Indiana Un- S. Bend	Western Michigan University





## *Natural Resources and Agriscience: Occupations*



### **Technical**

Agricultural Technician  
Ag. Chemical Technician  
Animal Breeder  
Animal Caretaker  
Animal Services Worker  
Animal Trainer  
Asst. Farm Manager  
Beekeeper  
Farmer Equipment Tech  
Farmer  
Fish and Wildlife Worker  
Fishery Technician  
Floral Designer  
Forest Firefighter  
Forestry Technician  
Grounds Keeper  
Horse Trainer  
Horticultural Technician  
Landscape Design Technician  
Landscape Gardener  
Oil & Gas Well Drilling  
Pest Controller  
Petroleum Engineering Tech  
Solar Energy Tech  
Tree Harvester  
Water Treatment Operator  
Wildlife Tech  
Zookeeper

### **Professional**

Agricultural Educator  
Agricultural Engineer  
Agricultural Extension Agent  
Agricultural Scientist  
Agronomist  
Aquaculturist  
Arborist  
Botanist  
Climatologist  
Conservation Officer  
Coop Extension Service Worker  
Ecologist  
Environmental Consultant  
Farm Manager  
Fish and Wildlife Specialist  
Forester  
Gardens Manager  
Geneticist  
Geologist  
Horticulturist  
Hydrologist  
Landscape Architect  
Limnologist  
Meteorologist  
Mining Engineer  
Naturalist  
Park Manager  
Petroleum Engineer  
Oceanographer  
Soil Conservationist  
Taxidermist  
Toxicologist  
Zoologist

## Natural Resources and Agriscience

### *Recommended Course Sequence*

Technical: 2 Years Of College		Professional: 4 Years Of College	
Grade 9	Grade 10	Grade 9	Grade 10
English 9	English 10	English 9	English 10
Math	Math	Math	Math
U.S. History	Civics (1/2 credit)	U.S. History	Civics (1/2 credit)
Science	Economics (1/2 credit)	Science	Economics (1/2 credit)
Physical Ed (1/2 credit)	Science	Physical Ed (1/2 credit)	Science
Health (1/2 credit)	Foreign Language	Health (1/2 credit)	Foreign Language
Foreign Language	Elective	Foreign Language	Elective
Elective	Elective	Elective	Elective
Grade 11	Grade 12	Grade 11	Grade 12
English 11	English 12	English 11	English 12
Math	Math	Math	Math
World History	Elective	World History	Science
Science	Elective	Science	Foreign Language
Elective	Elective	Elective	Elective
Elective	Elective	Elective	Elective
Elective	Elective	Elective	Elective
Suggested Career Core Classes		Suggested Career Core Classes	
Bus. Tech. Mngt	Independent Living	Biology I	Computer Applications
Auto Fund.	Anatomy	Biology II	Accounting I
Auto Technology I	CAD I	Chemistry I	Independent Living
Auto Technology II	CAD II	Agriscience	CAD I
Computer Applications	CAD III	Auto Fund.	CAD II
Accounting I	CAD IV	Auto Technology I	CAD III
Biology I	Machine Tech	Auto Technology II	CAD IV
Agriscience	Machine Eng. Tech	Machine Tech	Machine Eng. Tech
Some Post-Secondary Options		Some Post-Secondary Options	
Bay De Noc Comm. College	Washtenaw Comm. Coll	Andrews University	Hillsdale College
Glen Oaks Comm. College	Southwestern MI. Coll.	Aquinas College	Marygrove College
Grand Rapids Comm College		Baker College	Michigan State University
Lake Michigan College		Central Michigan Un	Michigan Tech
Oakland College		Cornerstone Un	Northern Michigan University
St. Clair County Comm. Coll		Grand Valley State Un	University of Michigan



## Have you ever asked “Why do I need this class?”

School work and jobs are closely connected. Look at the jobs below that require *SCIENCE* classes.

### *Science is required for the following jobs:*

Animal Caretakers  
Bakers  
Blasters and Explosive Workers  
Butchers and Meatcutters  
Chemical Equipment  
Controllers  
Chemical Plant Operators  
Cosmetologist  
Dental Assistants  
Electrobiomedical Equipment Repairers  
Electricians  
Farmers, Farm Operators, and Managers  
Firefighters  
Foundry Mold and Core Makers  
Gardeners and Groundskeepers  
Lithography and Photo Engraving Workers  
Machinists  
Mechanics, Installers, and Repairers  
Nursing Aides, Orderlies, and Attendants  
Occupational Therapy Assistants  
Petroleum Refinery and Control  
Panel Operators  
Pharmacy Assistants  
Physical & Correctional Therapy Assistants  
Plumbers, Pipefitters, and Steamfitters

Printing Press Operators  
Rotary Drill Operators

### *Advanced science courses are required for the following jobs:*

Aircraft Pilots and Flight Engineers  
Broadcast Technicians  
Dental Hygienists  
Dental Laboratory Technicians  
Dietetic Technicians  
Electrocardiograph Technicians  
Electroencephalographic Technicians  
Emergency Medical Technicians  
Engineering Technicians (all specialties)  
Licensed Practical Nurses  
Medical Records Technicians  
Nuclear Medicine Technologist  
Occupational Therapy Asst.  
Physical and Correctional Therapy Asst.  
Physical and Life Science Technicians  
Radiologic Technicians  
Radio Operators  
Ship Engineers  
Surgical Technicians  
Surveyors

### *Extensive science background is required for the following jobs:*

Agricultural and Food Scientists  
Architects, including Landscape Architects  
Biological Scientists  
Chemists  
Chiropractors  
Curators, Archivists, Museum Technicians, and Restorers  
Dentists  
Engineers (all specialties)  
Foresters and Conservation Scientists  
Geologists, Geophysicists, and Oceanographers  
Medical and Clinical Laboratory Technologists  
Meteorologists  
Occupational Therapists  
Optometrists  
Pharmacists  
Physical Therapists  
Physicians  
Recreational Therapists  
Registered Nurse  
Respiratory Therapists  
Speech Pathologists and Audiologists  
Teachers, Secondary and College (Sciences)  
Veterinarians and Veterinary Inspectors

## Have you ever asked “Why do I need this class?”

School work and jobs are closely connected. Look at the jobs below that require *SOCIAL STUDIES* classes.

### *Social Studies is required for the following jobs:*

Advertising Agents  
Arbitrators  
Biographers  
Child Care Workers  
Community Organizers  
Family Relations Specialists  
Land Use Technicians  
Market Research Analysts  
Political Scientists  
Public Relations Specialists  
Purchasing Agents  
Real Estate Agents/Brokers  
Recreation Therapists  
Rehabilitation Counselors  
Reporters and Correspondents  
Securities and Financial Services Salespersons  
Sheriff  
Underwriters

### *Advanced social studies courses are required for the following jobs:*

Accountants  
Archivists  
Anthropologists  
Career Planning Counselors  
Clergy  
Community Planning Specialists  
Demographers  
Ethnologists  
Geographers  
Health Policy Planners  
Historians  
Industrial Managers  
Librarians  
Parole Officers  
Psychiatric Nurses  
Psychiatric Social Workers  
Public Administrators  
Research Analysts

Resource Management Specialists  
School Counselors  
Social Workers  
Sociologists  
Stockbrokers  
Teacher's, all levels  
Urban Planners

### *Extensive social studies backgrounds required for the following jobs:*

Archaeologists  
Criminologists  
Economists  
FBI Agents  
Hospital Administrators  
Lawyers  
Psychiatrists  
Psychologists  
School Administrators

## Have you ever asked “Why do I need this class?”

School work and jobs are closely connected. Look at the jobs below that require *ENGLISH* classes.

### *English is required for the following jobs:*

Bellhops/Bell Captains  
Blue Collar Worker Supervisors  
Counter & Rental Clerks  
Dental Hygienists  
Food & Beverage Service Workers  
Home Health Aides  
Information Clerks  
Optometric Assistants  
Police  
Postal Clerks  
Receptionists  
Secretaries  
Social Service Aides

### *Advanced English courses are required for the following jobs:*

Agricultural Scientists  
Clerical Supervisors  
Compositors & Typesetters  
Computer Service Technicians  
Court Reporters

Dentists  
Employment Interviewers  
Engineers (all fields)  
Flight Attendants  
Food Service Managers  
Funeral Directors  
Geologists & Geophysicists  
Hotel/Motel Managers & Asst.  
Insurance Agents  
Legal Assistants  
Medical Assistants  
Medical Record Technicians  
Optometrists  
Physicians  
Salespersons (all fields)  
Teacher's Aides  
Travel Agents

### *Extensive English background is required for the following jobs:*

Architects  
Announcers  
Computer Programmers

Computer Systems Analysts  
Counselors (all fields)  
Clergy  
Curators & Archivists  
Educational Administrators  
Lawyers  
Judges  
Librarians  
Management Analysts & Consultants  
Newscasters  
Producers, Directors, Actors, and Entertainers  
Proofreaders  
Public Relations Specialists  
Reporters & Correspondents  
Research Workers  
Social Workers  
Sociologists  
Speech Pathologists  
Teachers (all levels)  
Technical Writers  
Translators & Interpreters  
Writers & Editors  
Urban & Regional Planners

## Have you ever asked “Why do I need this class?”

School work and jobs are closely connected. Look at the jobs below that require *MATH* classes.  
*jobs:*

***Math is required for the following jobs:***

Automobile Mechanics  
Bricklayers and Stonemasons  
Broadcast Technicians  
Carpenters  
Construction Inspectors  
Electrical and Electronic Equipment Repairers  
Electricians  
Industrial Machinery Mechanics  
Inspectors, Testers, and Graders  
Jewelers  
Layout Workers  
Machinists  
Mechanics and Installers  
Metalworking and Plasticworking  
Machine Operators  
Millwrights  
Numerical Control Tool Programmers  
Ophthalmic Laboratory Technicians  
Plumbers, Pipefitters, and Steamfitters  
Precision Instrument Repairers  
Sheet Metal Workers  
Shipfitters  
Structural Metal Workers  
Surveying/Mapping Technicians  
Tool-and-Die Makers

Welding and Cutters

***Advanced math courses are required for the following jobs:***

Accountants and Auditors  
Aircraft Pilots/Flight Engineers  
Bank Tellers  
Bookkeepers and Accounting Auditing Clerks  
Brokerage Clerks  
Cashiers  
Computers Programmers  
Dentists  
Drafters  
Economists (applied)  
Electrical and Electronic Technicians  
Financial Managers  
Insurance Sales Workers  
Landscape Architects  
Loan and Credit Clerks  
Management Analysts and Consultants  
Optometrists  
Order Clerks  
Payroll and Timekeeping clerks  
Physical and Life Science Technologists/Technicians  
Physicians  
Real Estate Agents and Brokers  
Reservation and Transportation Ticket and Travel Agents  
Sociologists

Statement Clerks  
Statistical Clerks  
Stock and Inventory Clerks  
Tax Examiners, Collectors, and Revenue Agents  
Traffic, Shipping, and Receiving Clerks  
Veterinarians  
Weighers, Measurers, and Checkers

***Extensive math background is required for the following jobs:***

Actuaries  
Agricultural and Food Scientists  
Architects  
Biological Scientists  
Chemists  
Computer Systems Analysts  
Economists (theoreticians)  
Engineers  
Foresters and Conservation Scientists  
Geologists, Geophysicists and Oceanographers  
Mathematicians  
Mathematics Teachers (secondary school and college)  
Operations Research Analysts  
Physicists and Astronomers  
Statisticians



# Brandywine High School

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## ART

The Art Department is dedicated to the achievement of visual literacy for all Brandywine students. Art is essential to a student's total educational and personal development. Brandywine advocates experience in the arts for every student. The Art Department teaches students to understand and evaluate imagery of their own making and that of past and present cultures. Courses teach art processes and techniques and also emphasize technical skills and craftsmanship.

All art classes offer opportunities for students to:

- cultivate original thought
- develop analytical and problem-solving skills,
- evaluate, critique and articulate ideas,
- identify their own experience as unique, and
- improve tolerance and appreciation of different ideas and theories

Goals and Objectives of the Art Department include the following:

- increasing awareness and improving perception
- encouraging and understanding of the history and vocabulary of the visual arts
- using the concepts and techniques of the arts as vehicles for the expression of ideas
- offering a broad range of experiences with meaning and depth in each area of study in the Art curriculum.

### 541 ART I

1 Year

Grades 9-12

This is an introductory course designed to acquaint the student with representative phases of art such as drawing, design, painting, lettering, and modeling. The basic fundamentals used in good design will be taught through experimentation with a variety of both two and three dimensional media.

media within these two categories. It is also encouraged that the student start to focus their attention on either 2-D or 3-D design so that they may begin to specialize in an area, while still experimenting with others, so that they may start to build a strong portfolio of work.

### 544 ART IV

1 Year

Grade 12

Prerequisite: An "A" or better in Art III

### 542 ART II

1 Year

Grades 10-12

Prerequisite: A "C" or better in Art I

This course is designed for the student to specialize in an area of interest and to grow and improve in all areas of art.

Art IV is designed for students that have a desire to further their study of the visual arts beyond the high school setting. At this point, the student will have experimented with many different visual art forms and be knowledgeable in both art theory and methods. Having a deeper understanding of the elements and principles of design, the student may also become more self-directed when creating successful works of art. Although students in Art IV will be expected to complete certain projects, they are still allowed many artistic freedoms so that they may begin to develop their own style. It is also encouraged that the student continues to create works of art that will be put into a portfolio. This portfolio of work will be a great asset to the student as they seek to further their art education upon graduating.

### 543 ART III

1 Year

Grades 11, 12

Prerequisite: A "B" or better in Art II

Art III is designed for the student to start experimenting more extensively with both 2-D and 3-D art forms. The student should become comfortable in executing successful works with various types of

## BUSINESS

The Business Education Department has two objectives:

- provide students with a thorough understanding of the organization, functions, methods and social significance of the American system of business enterprise. Emphasis is also placed on managing personal business affairs.
- develop proficiency skills for initial employment or for personal use.

Although Brandywine students may acquire business information and develop business skills sufficient to qualify for initial positions in stores or offices, the majority do not expect to enter directly into their vocation upon graduation from Brandywine. Special emphasis, therefore, is placed on understanding the fundamental principles which provide an excellent background not only for more specialized business training at the college level but also for practical, personal use. **These courses can count as a math related class when taken the senior year.**

### **701 COMPUTER APPLICATION**

1 Year

Grades 9-12

This is a hands-on, computer-oriented course suggested for all freshmen. This course must be taken before or concurrent with any other business class. There are no prerequisites. It is designed for both college- and job-bound students and emphasizes practical tasks to prepare students for future employability skills. Students will learn computer applications (word processing, spreadsheet, and data base system), record management, telephone skills, business math, resource management, recordkeeping, career planning, note taking, and study skills. This class may or may not be taught using the blended concept.

### **702 ACCOUNTING I**

1 Year

Grades 11, 12

Prerequisite: Basic Math

Students learn how accounting relates to different careers, learn accounting terminology, concepts, principles, and accounting procedures. The student will integrate manual and automated procedures. The first year accounting course will give the student a thorough background in the basic accounting procedures used to operate a business. The accounting procedures will also serve as a sound background for employment in office positions and preparation for studying business course in college. Also included within the accounting curriculum will be 1) Multicultural awareness, 2) Professional

business ethics, 3) Global perspective, 4) Personal visions in business, 5) Careers in accounting, and 6) Applied mathematics. This class may or may not be taught using the blended concept. **Students have the opportunity to receive college credit for this class.**

### **703 ACCOUNTING II**

1 Year

Grades 11, 12

Prerequisite: Accounting I

The second year students will cover advanced accounting procedures and topics such as finances, budgeting, break even, and cost accounting. The course integrates accounting practices and computer skills. This class may or may not be taught using the blended concept. **Students have the opportunity to receive college credit for this class.**

### **710 BUSINESS TECHNOLOGY MANAGEMENT**

1 Year

Grades 10-12

Business Technology Management A is taught on PCs using Google products and Microsoft Office products. Students will develop business management skills using the following technology; Internet, Word, PowerPoint, Excel, Access, Windows Movie Maker and Online tools such as, Google Drive, Prezi, Etc. This class is designed to teach students how to function in everyday life, advanced academic settings, and especially in the Business Management environment. Career and Professional Development, business practice, communications, and Employability skills are integrated into the course. Coursework is mainly completed in class. This class may or may not be taught using the blended concept.

## **LANGUAGE ARTS**

The Language Arts Program is a four-year sequence that encourages students to become actively-engaged, thinking persons in a complex, dynamic world. The curriculum offers an opportunity for students to develop their language potential in courses that are challenging and commensurate with their abilities.

All Language Arts courses emphasize the acquisition and development of the skills of disciplined reading, discussion and oral presentation as well as mastery of the various forms, modes, and strategies of written composition. From the richness of ideas explored in the study of literature, the student can recognize and empathize with the varieties of the human experience and gain an understanding of the enduring power of the human mind and spirit.

In the Language Arts Program, students acquire the habits of scholarship, growth in written and spoken self-expression, and a developing responsiveness to important works of literature, giving them an effective pattern for examining ideas and a solid basis for successful pursuit of higher education and careers.

### **101 ENGLISH 9 - World Literature Survey**

1 Year

Grade 9 **Required**

English 9 is designed to develop students' awareness of the world in literature as well as examine the universality of cultures and basic codes of humanity. Beginning in 800 b.c. to present, the literature incorporates aspects of history, music, cultural beliefs, etc. Students will write expository,

descriptive, and persuasive papers, participate in cooperative group activities, make presentations, and recognize and analyze various forms of literature.

### **102 ENGLISH 10- US Literature Survey**

1 Year Grade 10 **Required**

Prerequisite: English 9

American Literature students analyze and synthesize literary concepts and themes in a variety of compositional formats, including essays, journals, and personal response papers. An emphasis on American issues and traits, as reflected in the literature, is the cornerstone of the course. Students will be required to imitate different types of poetry, write papers, participate in cooperative group discussions, make oral presentations, and recognize and analyze various forms of literature.

### **103 ENGLISH 11**

1 Year Grade 11 **Required**

Prerequisite: English 10

This course emphasizes analytical skills that are reflected in the written work produced by students. The literature in this course includes Anglo-Saxon verse, American plays, Shakespearean drama and *The Adventures of Huckleberry Finn*. Time allowing, works of non-fiction dealing with themes of prejudice and racism are also studied.

### **104 ENGLISH 12**

1 Year Grade 12 **Required**

Prerequisite: English 11

This class is novel based and students read a minimum of two books each semester. Supplemental materials will be used to expand the themes studied in the novels, and higher level thinking skills will be stressed. Students will also be expected to use electronic devices to enhance presentations, document reports and to gather research. A wide range of writing and speaking opportunities will teach students to express their thoughts on the themes studied and improve their abilities to communicate more effectively. A research paper is required to be completed in the second semester of the course.

### **108 NEWS BROADCASTING**

1 Year Grades 9-12

News Broadcast students learn about how news is collected, prioritized, edited, and transmitted to a mass audience utilizing print media (through the Brandywine Junior/Senior High School student newspaper) and television through the Brandywine Junior/Senior High School TV station). Students learn the journalistic style of writing, proofread text, and edit and publish newscasts and articles. In working with television, students will create, edit and

produce original broadcasts and PSAs, research the origins of advertising and commercial design, and explore Internet-based media content.

### **111 YEARBOOK**

1 Year Grades 10-12

Students who take this class should be committed to accepting job assignments and responsibilities as a staff member of our yearbook publication. Activities include instruction and hands on experience in basic photography, interviewing, caption and copy writing, computer-based layout and design. Responsibilities will require meeting deadlines, designing assigned layouts, writing and proofreading copy, taking or obtaining photos, and marketing our publication.

### **112 RESOURCE ROOM**

1 Year Grades 9-12

Perquisite: Staff Recommendation Only

This class is designed to help students who have traditionally struggled with organization, submitting, work in on time, and doing high quality assignments. Students are expected to do weekly progress reports and daily grade checks in all of their classes, which in turn are handed in as part of their weekly grade. They are also expected to bring all assignments to class for help and teacher evaluation. Students may also be put into study groups with their peers if similar schedules and assignments present themselves. There is much more personal responsibility expected of students in Academic Support than just in a basic study hall. **This is a credit/no credit course so students are not given a letter grade for this class.**

### **120 TEST PREP**

1 Year Grade 11

This class is designed to help junior students prepare for the SAT through a variety of different activities. **This is a credit/no credit course so students are not given a letter grade for this class.**

### **130 COLLEGE READINESS**

1 Year Grade 12

**This is a credit/no credit course so students are not given a letter grade for this class.**

College readiness is a class where students learn all aspects of applying to college. They work on applications, financial aid, scholarships and personal essays. The goal of this class is to have all students apply to college during the month of October.

# **FOREIGN LANGUAGE**

*2 years recommended for Professional Pathway and college*

Foreign Language is an essential core experience. The addition of Foreign Language to a student's career pathway will be beneficial. It will expose the student to new cultures, new horizons and help him/her understand English better.

## **151 FRENCH I**

1 Year

Grades 9-12

During this introductory French course, students will gain the necessary skills to function in a Francophone (French speaking) society. In cooperative groups, students will write, speak, and "roleplay" in French. Along with learning basic vocabulary and grammar, emphasis will be on using the learned material in real-life situations. Students will experience topics such as sports and activities, going to a French restaurant and cafe, talking on the phone, shopping, and visiting various Francophone countries.

## **152 FRENCH II**

1 Year

Grades 9-12

In French II, students will expand their skills of reading, writing, and speaking in French. Listening comprehension will also be stressed. Emphasis will continue to be on having students use French in "real-life" situations. Students will learn to communicate in the past imperfect and future tenses. Group work will include creating skits and dialogues based on material learned. Topics include expressing feelings and opinions, making purchases, asking for and giving directions, French castles, and the tropical island Martinique.

## **153 FRENCH III**

1 Year

Grades 10-12

Prerequisite: C in French II or permission of instructor

The main emphasis of this third level course is to help students gain a significant degree of fluency in French. Along with reviewing material from previous levels, students will continue to improve and refine their reading, writing and listening skills. Emphasis will continue to be placed on having students use their French in realistic situations.

## **154 FRENCH IV**

1 Year

Grades 11, 12

Prerequisite: C in French III or permission of instructor

French IV is recommended for students who plan to continue studying French in college or who wish to review extensively grammar and vocabulary learned in French I - III.

## **150 FRENCH V**

1 Year

Grade 12

Prerequisite: C grade in Spanish III/instructor permission

This course will help the student expand his or her abilities in the target language with continued emphasis on the five C's. The student will demonstrate creativity and enhance his or her critical thinking abilities. He or She will better understand the issues facing Americans who speak a language other than English. The student will develop his or her grammatical and speaking skills through demonstrations, essays, and reading short stories. This experience will give the student more ability to speak with ease. There will be more attention paid to syntax in this course and there will be more reading involved. He/ She will follow a course outline that will help him or her to develop language proficiency and cultural understanding. Writing skills will continue to be developed through compositions and essays and review of previously learned grammar.

## **161 SPANISH I**

1 Year

Grades 9-12

This course is designed to give the student a very basic understanding of the spoken and written language. Students will learn the Spanish sound system, vocabulary - such as numbers, colors, weather and time expressions - and will practice active responses to simple commands given in Spanish. A great deal of emphasis will be placed upon oral response to teacher directed questions. Short conversations will be memorized and students will write short exercises in the present tense. The past tense will be introduced during the last marking period of the second semester. Emphasis will be on comprehension and building an active, rudimentary vocabulary.

## **162 SPANISH II**

1 Year

Grades 9-12

Spanish II is highly recommended for those students who plan to attend college or who hope to develop fluency in the language. The second year course shifts to developing a better understanding of Spanish grammar. Students will learn to communicate in past, future and conditional tenses using dialogues, plays, short stories, and readings on Hispanic culture as the basis for class study. Students will also expand their active vocabularies, refine pronunciation and generally improve their language skills and understanding of Hispanic culture. A great deal of emphasis will be placed upon oral response to both teacher and student directed questions.

### **163 SPANISH III**

1 Year Grades 10-12  
Prerequisite: C grade in Spanish II or instructor permission

Spanish III is recommended for students who wish to communicate well in the language. Students will read short stories then discuss the topics conversationally in Spanish. Other activities include participation in spontaneous dialogues, writing short essays, increasing active vocabulary and improving grammatical usage. The subjunctive tense and the perfect tenses are introduced.

### **164 SPANISH IV**

1 Year Grades 11, 12  
Prerequisite: C grade in Spanish III/instructor permission

This course is recommended for students who wish to continue language study in college or who simply desire some significant degree of fluency in Spanish. Primary emphasis will be placed on reviewing and refining vocabulary and grammar learned on previous levels, as well as learning to write and speak in a

more sophisticated manner. Through constant practice in all four skills of reading, writing, listening and speaking, students will gain confidence and expertise in their linguistic abilities.

### **160 SPANISH V**

1 Year Grade 12  
Prerequisite: C grade in Spanish III/instructor permission

This course will help the student expand his or her abilities in the target language with continued emphasis on the five C's. The student will demonstrate creativity and enhance his or her critical thinking abilities. He or She will better understand the issues facing Americans who speak a language other than English. The student will develop his or her grammatical and speaking skills through demonstrations, essays, and reading short stories. This experience will give the student more ability to speak with ease. There will be more attention paid to syntax in this course and there will be more reading involved. He/ She will follow a course outline that will help him or her to develop language proficiency and cultural understanding. Writing skills will continue to be developed through compositions and essays and review of previously learned grammar.

## **LIFE MANAGEMENT EDUCATION**

Life Management is a study of personal, home and family life, incorporating and utilizing knowledge from science, art, mathematics, language and social studies. A changing society makes great demands on women and men, requiring them to master the techniques of homemaking, as well as to contribute to the financial welfare of the family and to participate in community life. The program is designed to prepare students for multiple roles.

### **621 FAMILY HEALTH**

1 Semester Grades 9-12 **Required**

This is a comprehensive course that identifies the basic health topics that will affect a student's immediate and future development. It also promotes an attitude of respect and concern for self and others and enhances responsible decision making skills. Some of the topics that will be covered in this class are: Mental Health, Tobacco, Alcohol, Drugs, Sex Education/Family Planning, Disease Prevention, and Sexually Transmitted Infections.

### **623 INDEPENDENT LIVING**

1 Semester Grades 10-12

This course allows the students to obtain self-knowledge and to practice the skills necessary for a successful and responsible life. The student will learn practical skills in decision making, communication,

goal setting, self-motivation, and the understanding of independent living which includes the following: banking needs, the components to living on your own, buying a car, getting insurance, obtaining and maintaining good credit.

### **630 PARENTHOOD EDUCATION**

1 Semester Grades 9-12

Parenthood Education teaches parenting skills via simulation, interaction with people who are parents and/or care givers, and through direct interaction with children. Parenting will include the study of the conditions that influence the intellectual, social, emotional, and physical development of children and recognizing the special needs of children. This course examines personal readiness to become a parent and the issues important to raising healthy children with positive parent-child relationships.

# MATHEMATICS

Mathematics as a discipline is an important and beautiful human endeavor, and mathematics has applications in many areas. All students, to the extent of their abilities, should have the opportunity to take part in the broader aspects of mathematics as a way of thinking, as a cultural heritage, and as an experience in grasping ideas, seeing their interrelations, and communicating them to others.

The goals for students reflect those stated in the *Principles and Standards for School Mathematics* published by the National Council of Teachers of Mathematics:

- to value mathematics;
- to become confident in one's ability to do mathematics;
- to become a mathematical problem solver;
- to communicate mathematically;
- to reason mathematically; and
- to use technology appropriately

## 206 ALGEBRA I

1 Year

Grades 9-12 **Required**

Algebra I is the study of operations related to positive and negative numbers. These operations are applied to equations, inequalities, polynomials, linear equations and their graphs, and word problem solving of various types. It is intended to build the foundation for the future study of mathematics and is designed for the college bound student.

## 207 GEOMETRY

1 Year

Grades 9-12 **Required**

Prerequisite: Algebra I or approval from Math Department

Geometry includes the study of angle and line relationships, properties of triangles, congruence, similarity, applications to quadrilaterals and other polygons, circles, their properties and relationships to other geometric figures, area and volume of solids and constructions. Logical proof of geometric principles is emphasized in the first semester and practical applications are made in the second semester.

## 208 ALGEBRA II

1 Year

Grades 10-12

Prerequisite: B or better in Algebra I or approval from Math Department

This course is designed to help give students the mathematics background needed for college. Most college programs have a math requirement and this course will help prepare for that. It will also help provide a foundation for those that wish to pursue math and science-related studies after graduation. Algebra 2 continues the study of topics introduced in Algebra I and goes into quadratics, radicals, systems of equations, and conic sections.

## 218 ALGEBRA IIA

1 Year

Grades 10-12

Prerequisites: This class is for students that earned a C or below in Algebra I or approval from Math Department

This course is designed for students that struggled with some of the basic concepts taught in Algebra I. Topics to be covered include but may not be limited to Integer Operation, Rational Number Operations, Order of Operations, Equation Solving, Function Notation, Evaluating Functions, direct and indirect functions, linear functions, quadratic functions and imaginary and complex numbers. Students that take this course will be expected to take Algebra IIB the following year.

## 228 ALGEBRA IIB

1 Year

Grades 11-12

Prerequisites: This class is for students who took Algebra IIA or have approval from Math Department

This course will cover topics that include but not limited to: Logarithmic relationships; arithmetic, geometric sequences and their sums; addition, subtraction, multiplication and division polynomials; inverses of functions, conic sections, and statistics.

## 210 PRECALCULUS

1 Year

Grades 11, 12

Prerequisite: Geometry and Adv. Algebra: Recommended a "C" or better in Adv. Algebra.

This course is designed to integrate and apply previously learned mathematical concepts and to present solutions from multiple perspectives - algebraic, graphic and numeric. High level thinking skills will be required to solve real-life application problems. The course will include the study of analytical trigonometry, advanced algebra skills.

## 211 CALCULUS

1 Year

Grade 12

Prerequisite: Pre-Calculus, Algebra II & Geometry

Calculus is the mathematics of change.

This course is designed to prepare students to take a first-year calculus course at the university level and prepare them for math/science related studies beyond high school. This course is divided into the following areas of study.

1. Derivatives: The use of derivative rules to compute slopes of curves will be explored in

depth. The development by the delta-process of derivatives will be derived.

2. Application of the derivative theory and rules will be applied to various story problems; especially time, distance, and velocity-type problems.

3. The inverse of the derivative called integration will be explored. Its application to mathematical problems will be taken up in detail.

4. Plane analytic geometry with regard to curves, planes, conic sections, and general equations.

## MUSIC

Music Education is the education of human feeling through the development of a responsiveness to the aesthetic qualities of sound. Performance classes provide intimate contact with these expressive qualities. In this context, performance is not an end in itself, but a means to an end, which includes:

- The augmentation of knowledge and understanding of the structural elements of music, and of music as a creative art form;
- The cultivation of habits, attitudes, and appreciations;
- The development of each student's aesthetic potential sensitivity and responsiveness to that which is beautiful in music.

Students who have participated in the music program should demonstrate a knowledge of music as a creative art form in a historical and cultural context; and understanding of the structural elements of music; and a relevant eye, ear and hand-oriented musical skills.

It is the intent of the Music Department to help students develop their aesthetic potential, to give them an understanding of their own culture and the cultures of others, and to provide a unique vehicle for achieving excellence either alone or in cooperation with others.

While some students will discover talents leading to careers in music, many will find that music has the potential to enrich their lives either through performance, study or appreciation. Any exceptions to the course prerequisites, selection process, ensemble membership and/or auditions must be approved by the Music Department Chair. **Music classes are a full-year commitment and can not to be added/dropped at semester.**

## 501 HIGH SCHOOL BAND

1-4 Years

Grades 9-12

High School Band consists of students in grades 9-12 who have previously been a member of band during middle school or with lessons at the discretion of the director. In the fall, all students participate in marching band which includes a band camp before school, evening rehearsals, performances at football games, and a few Saturday performances including parades and Festival. All students are then members of concert band for the remainder of the year. This includes performing at the holiday concert in December, Pre-Festival concert and Festival in March, a spring collage concert in May, and all required commencement ceremonies. Students have the opportunity to perform at District Solo & Ensemble festival on any band or orchestra instrument in February, with the chance to qualify for State Solo and Ensemble in March. As a member of

an instrumental ensemble, each person learns to be a member of a team and learn about discipline, dedication, and musicianship. If you're in band, you'll remember it for the rest of your life!

## 506 JAZZ BAND

1-4 Years

Grades 9-12

Students will learn how to play different styles of jazz and jazz-inspired music, in addition to learning the history of jazz music. Band is a pre-requisite for Jazz Band. Only Saxophones, Trumpets, Trombones, Drum Set, Guitar, and Bass Guitar students are allowed into Jazz Band and students *must* be able to read music. Special permission to be admitted may granted up to the discretion of the band director.

### **511 TREBLAIRES**

1 Year Commitment

Grades 9-12

Prerequisite: A) Audition only. B) Successful completion of a middle school or previous vocal music experience.

Treblaires is for students who demonstrate a high level of interest in singing and exploring their vocal potential and developing their vocal skills. Students will be expected to participate in a variety of performances outside of the school day. Members of this choir will also be expected to develop vocal performance, production and music reading skills. They will also expand their music theory and history knowledge, as well as study and perform a variety of music from musical styles such as: Classical to Contemporary style Art Songs, Multicultural music to American music & our wide variety of present day vocal music styles and categories.

### **513 VARSITY CHOIR**

1-4 Years

Grades 9-12

Prerequisite: A) Interview with the Director for possible vocal placement. B) Successful completion of a middle school or previous vocal music experience preferred but not required. Auditions are held in January for this choir and its ensembles.

Varsity Choir is for students who demonstrate a high level of interest and ability in vocal music, both as an individual and as a positive ensemble member. Students will be expected to participate in a variety of performances outside of the school day. Members of

this choir will be expected to develop an advanced level of vocal performance, production and music reading skills. They will also expand their music theory and history knowledge, as we perform and study a variety of musical styles that include; Classical to Contemporary style Art Songs, Multicultural music to American music and our wide variety of present day vocal music styles and categories.

### **514 MUSIC THEORY**

1 Year

Grades 9-12

Prerequisite: Teacher approval, music reading skills

This course will provide students a study of the fundamental elements of music.

### **531 THEATER**

1-4 Years

Grades 9-12

Theater students learn to cast aside inhibitions in order to present an act, character, scene or play. Students explore the basic techniques, language, and movements of acting through participation in warm-ups, dramatic games, pantomimes, improvisations, monologues, and plays. Also, they study musical and dramatic theater styles. They participate in the school musical and class performances (at least one of which is mandatory) to develop and enhance their presentation and performance skills as well as gain confidence before an audience. Students will participate in 2 play productions per year, which will require after-school participation on those occasions for a grade.

## **PHYSICAL EDUCATION**

The Physical Education Department endeavors to create an environment in which students learn to take responsibility for their own health and physical well-being. The following statements identify essential understandings around which courses in Physical Education have been built:

- Participation in physical activity provides opportunities for enjoyment, fitness, challenge, self-expression, and social interaction.
- The creation of a healthy life-style is predicated on knowledge of an engagement in health-enhancing behavior.
- Ethical behavior in sport and dance occurs when individuals mindfully demonstrate a sense of responsibility to community through personal choices that reflect concern and understanding for others.
- Movement oriented problem-solving, cooperative learning, critical thinking, and self-expression occur when participants can engage in activity with minimum risk and maximum enjoyment.
- Risk behaviors are reduced when individuals are skilled in accessing, assessing, and applying information that contributes to healthy decisions.

### **602 ADVANCED PHYSICAL EDUCATION**

1 Year

Grades 10-12

Prerequisite: B or better in Physical Education I and/or approval of the instructor.

This advanced class is designed to develop, maintain, and enhance the student's physical fitness. Weight lifting, Plyometrics, and agility drills on increasing performance physically, mentally, and socially. Specific skills in addition to strength, endurance, and

agility will be encouraged. Presidents Physical Fitness Testing will be included in this class.

### **604 PHYSICAL EDUCATION I**

1 Semester

Grade 9 **Required**

Students will participate in the following sports: Ultimate Frisbee, Slow-Pitch Softball, Kickball, Volleyball, Basketball, Hockey, President's Physical Fitness Test, Low Skill Activities, Endurance Run, German Bat Ball, Fleet Ball, Tag Ball, Cage Ball.

# SCIENCE

The science curriculum is oriented toward investigative processes designed to meet the individual student's needs and abilities. Through a variety of cooperative learning experiences, students are encouraged to engage in scientific inquiry to observe scientific principles which are established through careful observation; weigh facts and arrive at valid conclusions; appreciate the historical contributions of scientists; and recognize that science does not consist merely of facts and dogma, but that it is an exciting, dynamic process!

The goals of the department are that students will develop the following:

- an understanding of the fundamental laws of our universe,
- an understanding of how to apply these laws to physical and biological systems,
- an awareness of the manner in which science and technology affect the quality of their environment,
- a knowledge of the processes which will facilitate the making of informed decisions regarding issues concerning science-technology-society, and
- skills and attitudes that will enable them to protect and improve the environment, not only for the present, but also for future generations.

## 301 BIOLOGY I

1 Year

Grades 9-12 **Required**

This course is intended for those students who have an interest in science but do not necessarily plan on a career in an area of biological science. Both scientific and practical applications of biology will be covered. The course will include topics that show how biology is applied in our everyday life. Introductory laboratory procedures will be used in this course.

## 303 BIOLOGY II

1 Year

Grades 10-12

Prerequisite: B or better in Biology I and/or approval from Science Department

Biology 2 is a follow up course to Biology 1 with greater emphasis on college level material. Lab and field work will be stressed. Topics will include areas of student interest along with ecology, human anatomy and physiology, genetics.

## 307 PHYSICAL SCIENCE

1 Year

Grades 9-12

This course will include the study of the scientific method, scientific tools and measurements, metric, solutions, phase changes, the periodic table, ionic and covalent compounds, work, power, simple machines, energy, heat and its uses, electricity, magnetism, longitudinal and transverse waves, sound, light and energy resources and the environment. Attention will be given to how these topics apply to everyday experiences. Some algebra will be used in this course in solving problems.

## 308 CHEMISTRY I

1 Year

Grades 10-12

Prerequisite: Algebra I or Algebra II

Chemistry is a study of matter and energy with emphasis placed upon the composition of materials

and the changes in composition which these materials undergo. The course involves theoretical concepts with laboratory work to enhance these concepts. Areas of study include the metric system, the periodic table, atomic structure, chemical reactions, the study of elements, atmosphere, gas laws, solutions, ions, water, acids and bases, and organic compounds. This course is primarily for students planning to continue their education in college or technical school.

Competency testing may be a required component for some subject areas. Successful completion of these tests is required to pass a particular nine (9) week period

## 309 CHEMISTRY II

1 Year

Grades 11, 12

Prerequisite: Chemistry I and Instructor approval

Chemistry 2 is a course that explores chemical concepts not covered in the first year chemistry course. Topics will include a more detailed look at electrochemistry, chemical kinetics, chemical thermodynamics, acid/base chemistry, organic chemistry and biochemistry. An increased emphasis is placed on laboratory experiments and the development of related skills. This class will be of great value to any student pursuing college degrees in the medical fields, engineering and any other science related majors.

## 310 PHYSICS I

1 Year

Grades 11, 12

Prerequisite: Algebra 2, Trigonometry, or permission of instructor

Physics is the study of the behavior and interactions of matter and energy in space and time. It is especially helpful for those students planning to continue their education in a university or technical school regardless of the area of study. Topics include kinematics, kinetics, gravitation, circular motion, conservation of energy and momentum rotational dynamics, statistics, and fluid mechanics. Emphasis is placed on developing problem-solving skills, laboratory skills, and conceptual understanding.

### **312 HUMAN ANATOMY AND PHYSIOLOGY**

1 Year Grades 11,12

Prerequisite: Biology I and/or approval of science department

This class is intended for college bound students, especially those with any interest in entering the

medical or teaching fields or those interested in human make up and function. The structure and function of the human body will be presented in detail. All the major systems will be discussed and lab work will accompany the lecture material. Dissection is an integral part of the course.

## **SOCIAL STUDIES**

The social sciences are in search of patterns which reflect human experience. Laws, languages, institutions, arts, industries, political experiments, economic theories, religious quests and military ambitions - all project the image of that experience. The social studies offerings provide insights about what has been, what is and what might be, and develop in students a curiosity about and sensitivity to the environment in which they live. All the courses in the Social Studies Department have been developed to raise questions.

Furthermore, the courses challenge students to assess and interpret and to provide a framework for recognizing and accepting responsibility as individuals and as citizens.

The Social Studies Department contributes to the total Brandywine experience by encouraging students to acquire:

- the ability to grasp a question: the capacity to gather relevant data, to analyze that data and then to marshal pertinent arguments, and to reach sound conclusions;
- the ability to communicate, both in oral and written expression, with clarity and conviction;
- a quality of open-mindedness reflected in respect for other points of view, in tolerance for ambiguity, in passion for truth, and in respect for facts;
- the ability to be sensitive to religious and ethical differences;
- the ability to make personal choices which are characterized by courage, dedication and moral decisiveness

### **402 U.S. HISTORY**

1 Year

Grade 9 **Required**

This course offers the student a chronological history of the United States from 1890 to the present. Throughout, the authors have placed emphasis upon the themes of Reconstruction, Immigration, Technology and the emergence of the United States as a world power. A variety of research projects will incorporate many the themes that illustrate how the United States became the nation that we know today.

### **403 CIVICS**

1 Semester

Grade 10 **Required**

Study will be concentrated on the structure and operation of the federal government. Our form and ideals of government will be contrasted with other forms, especially communism. Some consideration will be given to state and local government. A major goal of the course is to develop knowledgeable and participating citizens.

### **404 ECONOMICS**

1 Semester

Grade 10 **Required**

Study will concentrate on economic theories such as supply and demand, scarcity and choice. The students will determine the governmental role and historical perspective of economics on the U.S. Market. Focus will be given to world market affairs and international trade. Students will have an

understanding of personal finance and economic value.

### **401 WORLD HISTORY**

1 Year

Grade 11 **Required**

This survey course will trace the chronological development of ancient civilizations and cultures up to the present day. Social, political, religious and economic beliefs/institutions will be studied, while special emphasis will also be given toward including the literature, art, music, and scientific contributions of various civilizations. This class may or may not be taught using the blended concept.

### **406 SOCIOLOGY**

1 Semester

Grades 11, 12

This course is designed to study the structure of our social system. Topics include socialization, patriarchy, crime, family, gender roles, counter cultures, mass media, prejudice and discrimination, and religion. A project will be assigned each 9 weeks.

### **407 PSYCHOLOGY**

1 Semester

Grades 11, 12

This course is designed to give the beginning psychology student an understanding of the mind and individual behavior. Topics covered include mental illness, intelligence, addiction, phobias and fears, personality disorders, theory, dreams, and treatments. A project will be assigned each 9 weeks.

## **409 ADVANCED U.S. HISTORY**

1 Year

Grades 11, 12

This is an elective class designed for juniors and/or seniors who want to earn college credit and/or study U.S. History at a higher level. The class will cover the beginnings of U.S. History to the present day. We will focus on studying historical documents, specific concepts, and the complex ideology's of our countries' development. The end result will be either taking and passing the AP test or taking an early college for credit exam from SMC, each providing a jumpstart to the students college career.

## **410 CURRENT EVENTS**

1 Year

Grades 11, 12

This course will combine geography, economics, government, culture and current events. Emphasis will be on man's effect on the environment, population, and political/economic developments in the context of current news and trends. A goal for this course is to develop a knowledgeable/self aware citizen. This course will take an interdisciplinary approach to current global issues, themes, and problems. The student will complete various projects, demonstrations, exhibitions incorporating reading, writing, and technology skills.

## **SPECIAL EDUCATION**

Special Education services are available to all students who are eligible according to the Federal and State guidelines and who have current Individual Education Plans (I.E.P.s) specifying the type and amount of services to be provided. These services include, but are not limited to the following:

### **Consultation Services**

The student is served in the general education classroom with consultation and support from the special education teacher. Accommodations may be made to the curriculum, materials, tests, classroom management, or classroom environment.

### **Inclusion Services**

The student is served in the general education classroom but receives regular, direct support from the special education teacher. Direct support may include remedial tutoring, testing and direct instruction. Resource services can be provided for 24% of the school day or less.

**For more information about Special Education programs, please contact Michelle Wruble at (269) 683-8805.**

### **Berrien County Transition Planning Programs**

Transition Planning is the process in which students with disabilities develop a plan that will help them adjust to their next step in life. During the transition planning process, it is important to keep in mind that students with disabilities have different levels of impairment and capabilities; requiring the plan to be flexible to meet a variety of needs. It is also important to be aware of available resources and services that will help develop an individual's transition plan. Call Berrien Resa for more information. These programs include:

**A Seal of Employability (SOE)** represents an alternative pathway for high school special education students who, even with a Personal Curriculum, supplementary aids and services, modifications and/or accommodations and special education programming, are unable to meet the Michigan requirements for a high school diploma.

**Occupational Education Programs** are to provide entry level job skills. With this, Occupational Education is a designed program that will allow students access to specific career goals, which are outlined with student planning in a detailed curriculum that has educational and industry expectations. All of this is developed with specific school and community-based learning, with the end result of students being able to transition from the educational setting into the workforce.

**Off to College** is a free high school program designed by Berrien Regional Education Service Agency (Berrien RESA) and Lake Michigan College to help students prepare for their future. Off to College requires a 2-year commitment from the student (and his or her family). During the junior and senior years, students will participate in monthly seminars at Lake Michigan College. The seminars will teach them how to become a successful college student.

**School to Career** is a program to provide students with a planned program of job training and other employment experiences related to a chosen career. There are six major recognized types of work-based learning experiences for secondary students in Michigan, as well as an additional school-related component, regarding the employment of minors as follows: 1) Job Shadow (Visitor), 2) Volunteer, 3) Work-Based Learning: Non-CTE programs (paid and unpaid student learner), 4) Work-Based Learning: State-Approved CTE programs (paid and unpaid student learner), 5) In-District/In-School Placement (unpaid student learner), and 6) Minor Employee with a work permit.

**Project Search** is a one year transition program which provides training and education leading to employment for individuals with disabilities. The program occurs on-site at a business which has the commitment to support people with disabilities in the workplace.

**Transition Club** meetings are being held in two high schools in Berrien County. Students learn to run for and hold officer positions, as well as learn to compose an agenda and run a meeting. Program topics are drawn from the areas of Transition Planning including adult living, career/employment, post-secondary education/ training, and community involvement.

## **TECHNOLOGY EDUCATION**

Technology Education is the application of knowledge tools and skills to solve practical problems and to extend human capabilities. Students develop insights into the application of technological concepts, processes and systems. Technology Education offers “hands-on/minds-on” experiences; the purposeful intelligent honing of knowledge, talents and skills. The Technology Education Department offers courses to meet interests in general personal development, pre-college minor and pre-professional education, particularly for those interested in science, engineering, or architectural technology, and vocational education. **These courses can count as a math related class when taken the senior year.**

### **801 CAD I: MECHANICAL DRAFTING**

1 Year Grades 9-12  
Can count as an Algebra II or a Fine Arts Credit

Mechanical drafting is a hands on course in general drafting. It will provide the student with an opportunity to develop basic drafting and computer related skills using current technology. This course is designed to develop manipulative skills needed for reading the language of blueprints. The use of CAD software will correlate with the text on a weekly basis. Units in orthographic projection, pictorial drawing, geometrical construction, auxiliary views, section views, architectural rendering, etc. will be covered. Second semester will include 3D modeling and detail drawings using SolidWorks. Students will also have a chance to participate in the MITES (Michigan Industrial Technical Educational Society) competition.

### **802 CAD II: ENGINEERING DRAFTING**

1 Year Grades 9-12  
Prerequisite: Passing grade of a “C” in CAD I: Mechanical Drafting and instructor permission required)

This course is primarily designed to strengthen and enlarge upon the basic concepts thus far developed in CAD I: Mechanical Drafting. Proper methods of dimensioning, specifying notes, and technical information relating to detail drawing, assembly drawing, and machine parts will be covered. Other units of work will include screw threads, fasteners, welding, electrical and aircraft drafting. Students will also have a chance to participate in TRAC (Transportation and Civil Engineering), a program sponsored by MDOT. In addition, students will continue to participate in MITES, in areas of their own interests.

### **803 CAD III: ARCHITECTURAL DRAFTING**

1 Year Grades 10-12  
Prerequisite: Passing grade of a “C” in CAD I: Mechanical Drafting and instructor permission is required  
Students develop architectural drawing and design skills needed to complete a residential house plan and learn the types of common building construction techniques. Detailed house plans are a major part of this course. Field trips and collaborative work with actual builders will be incorporated into this course. Hand drawn and computer created drawings will be integrated into the final design project. Students will also work with a variety of CAD programs related to Architectural Drafting.

### **804 CAD IV: ARCHITECTURAL DRAFTING**

1 Year Grades 11, 12  
Prerequisite: Passing grade of a “C” in CAD I: Mechanical Drafting and instructor permission is required

### **811 MACHINE TECHNOLOGY**

1 Year Grades 9-12  
**Freshmen may apply for the course with instructor’s permission.** Can count as a Fine Arts credit

The students in this course will learn safety, semi-precision and precision measurement, layout and basic operation of mills, lathes, drill presses, welding, saws, and an introduction to computerized machines. Projects will be built to teach the basic skills on these machines. This course precedes the vocational Machine Engineering Technology 1 course which helps the student develop skills to be employable as tool and die makers, mold makers, and helps with college machine engineering courses.

### **812 MACHINE ENGINEERING TECHNOLOGY**

1 Year Grades 10-12  
Prerequisite: Machine Technology

This course is a continuation of work started in Machine Technology. The student will be expanding his/her talents into more advanced and more precise operation of the

machine tools along with learning more advanced tool setup. They will also learn how to make special purpose cutters. This is a vocational course designed to help the student to become employable in any of the many types of machinist occupations. This course is also very helpful for machine engineering courses offered in college.

### **831 AUTO FUNDAMENTALS**

1 Year

Grades 9-12

Auto Technologies is a foundational course that will provide an understanding of the automobile systems and assemblies as well as expose students to basic automotive service repair and maintenance procedures. The course focuses primarily on classroom instruction. Some time is spent in the automotive lab with students observing demonstrations of maintenance and repair procedures, shop safety, and tool identification. The course covers careers, employability skills, safety tools, securing repair data, engine fundamentals, cooling system fundamentals, lubrication system fundamentals. Must maintain a "B" average, complete all basic skills competencies, and have instructor's approval to advance to the other automotive course. **This course DOES NOT count as a 4<sup>th</sup> year math credit.**

### **830 AUTOMOTIVE TECHNOLOGIES I**

1 Year

Grades 10-12

Prerequisite: Underclassmen grades 9 and 10 need to take automotive fundamentals, open enrollment for juniors or seniors.

Focus will be on the completion of the competencies developed by NATEF (National Automotive Technicians Education Foundation) in the area of MLR (Maintenance and Light Repair). It is a performance-based course that will require students to complete tasks that deal with all areas of automotive systems. Students will be working on a

combination of shop set up demos and some real life job based customer work on vehicles in the auto shop. The majority of the time is spent in the auto lab with some classroom instruction worked in the weekly schedule. The course is designed to make a student knowledgeable of all the systems of a vehicle and to maintain their own vehicle for the life of their vehicle. Must maintain a "B" average, complete all MLR task, or have instructor's approval to advance to Auto II course. This is a mandatory 2 period class.

### **834 AUTO MECHANICS SERVICE MANAGEMENT**

1 Year

Grade 12

Prerequisite: Successful completion of Auto Technologies Fundamentals, Auto Technologies I and Auto Technologies II AND instructor approval.

Approved students will work closely with the instructor to learn and practice the skills and tasks performed by auto service management personnel. Students will learn and perform in roles of shop foreman, service-writer, and parts Manager.

### **835 AUTOMOTIVE TECHNOLOGIES II**

1 Year

Grades 11,12

Prerequisite: Successfully Complete Auto I with a "B" average or have the Instructors approval

Focus will be on the real life work in an auto shop, with some lab based set up for students to complete. The class will be completely work based participation grading scale. Class will be based off the work completed in Auto I to next the knowledge skills gained one step farther, students will be dealing with customer based skills of ordering parts, making estimates of repairs and talking directly with the customers to inform them of the problems with their cars. Students that have completed 7 or more subject areas form Auto I and II will have to take an end of program test. This is a mandatory 2 period class.

## **OTHER ELECTIVE COURSES**

### **MATH/SCIENCE CENTER**

Grades 9-12

**Meets at Berrien Springs - Andrews University**

Students with high aptitude may apply to participate in the Berrien County Mathematics and Science Center at Andrews University. This program provides students with exciting and challenging explorations in mathematics, science, and technology through an enriched environment and rigorous curriculum. Students wishing to participate should contact their counselor for further information

### **900 OFFICE INTERN**

1 Semester or 1 Year

Grades 11,12

Students are selected to work in the office for one period per semester. This is a project based course that will include work in: Word, Publisher, web-design, and much more. Students will be graded and will also be given exams and quizzes. **This is a credit/no credit course so students are not given a letter grade for this class.**

### 901 LIBRARY INTERN

1 Semester or 1 Year

Grades 11,12

Prerequisite: Approval from librarian

Library assistants are carefully chosen for their willingness to learn library clerical skills and to carry out their duties efficiently and cheerfully with the ability to maintain confidentiality, accuracy and dependability. Duties include processing periodicals and newspapers, reading shelves, sorting and shelving of materials, assisting with book processing and performing miscellaneous duties. Students may work in the library for one period per semester. **This is a credit/no credit course so students are not given a letter grade for this class.**

### 902 TECHNOLOGY INTERN

1 Semester or 1 Year

Grades 11,12

Prerequisite: Approval of Technology Staff

Students are selected to work in the office for one to two periods per semester. This is a project based course that will include work in: Software, Hardware and Network installation and troubleshooting. Students will receive a credit based on Formative and Summative assessments. **This is a credit/no credit course so students are not given a letter grade for this class.**

### 933 DUAL ENROLLMENT

1 Semester or 1 Year

Grades 9-12

Prerequisite: Approval from counselor and principal and have qualifying standardized test scores

Brandywine students may participate in a college, junior college, technical, or trade school program and receive both high school and postsecondary credit. This opportunity provides an economical means to expand the curricular options for all students and also begins to build a bridge between the high school experience and the college experience. A student in good academic standing while attending Brandywine High School may, with the prior approval of the principal, enroll in postsecondary credit classes at approved institutions and earn high school credit as well as postsecondary credit. The Counseling Office will provide students with information on the application procedure. The following steps must be followed:

1. The student must pick up an application from the Counseling Office to be approved by the student's counselor and the building principal.
2. The student must have his/her parent sign the application.
3. Students must meet the dual enrollment score requirements on a dual enrollment qualifying score assessment.
4. Students must be enrolled in both the school district and Postsecondary institution during the local

school district's regular academic year, and must be enrolled in at least one high school class.

5. Students must meet the prerequisites of each course taken at the institution.

6. The college courses must not be offered by the district. An exception to this could occur if it is determined that a scheduling conflict exists, which is beyond the student's control.

7. The college courses cannot be a hobby, craft, or recreation course, or in the subject areas of physical education, theology, divinity, or religious education. The school will not pay for remedial courses and all classes are subject to approval.

8. The school district will pay the student's tuition and mandatory course fees, material fees, books, and registration fees charge by the eligible post-secondary institution (up to the allotted amount that is determined by the State).

9. Students and parents are required to provide their own transportation.

10. Not more than 10 courses may be taken overall.

11. If a student receives an "F" in a dual enrollment course they **MUST** reimburse the school district all tuition and fees. **These tuition/fees must be paid before a student can graduate.**

12. Grades will be recorded on the student's transcript and will be computed into a student's Grade Point Average if the student chooses to take the class for high school credit.

13. Grades will be used to determine athletic eligibility.

### DIRECT CREDIT

1 Semester or 1 Year

Grades 10-12

Prerequisite: Approval from counselor and principal and have qualifying standardized test scores

Southwestern Michigan College and Lake Michigan College offers Brandywine High School students college credits for certain classes that are taught at Brandywine High School. In order to be eligible students must:

1. Pass the SMC/LMC College assessment test
2. Fill out a SMC/LMC application.
3. The school district will pay the student's tuition and mandatory course fees, material fees, books, and registration fees charge by the eligible post-secondary institution (up to the allotted amount that is determined by the State).
4. If a student receives an "F" in a direct credit course they **MUST** reimburse the school district all tuition and fees. These tuition/fees must be paid before a student can graduate.
5. Grades will be recorded on the student's transcript and will be computed into a student's Grade Point Average if the student chooses to take the class for high school credit.
6. Grades will be used to determine athletic eligibility.

## ON-LINE LEARNING COURSES

Grades 9-12

Students are able to take up to two on-line courses per semester. Go to [www.mivu.org](http://www.mivu.org) for more information and to view course offerings.

The following steps must be followed:

1. The student must pick up an application from the Counseling Office to be approved by the student's counselor and the principal. Students can not take more than two internet based classes per semester.
2. Students may only choose classes from the statewide online course catalog.
3. The on-line course cannot be a hobby, craft, or recreation course, or in the subject areas of theology, divinity, or religious education.

4. The district will not pay more than 1/12<sup>th</sup> of the school district's foundation allowance for a semester on-line course.

5. On-line courses must be completed within 1 semester of enrollment. Students will have 5 days into the semester to drop the on-line class. Senior students who are taking an on-line course 2<sup>nd</sup> semester of their senior year must have the course completed by Memorial Day.

6. On-line course grades will be recorded on the student's transcript and will be computed into a student's Grade Point Average. Grades will also be used to determine athletic eligibility.

7. Students must sign up for the online class with the school counselor the PRECEDING semester.

## SHARED-TIME PROGRAMS

Several public schools in the area are providing additional courses for high school students through the Berrien County CTE Consortium. Shared-time simply means that the students from one school may take advantage of a program offered in a neighboring school. When students select one of these classes they are automatically under the jurisdiction of the operating school and must observe the rules of that school as well as those defined in the program. Below average skills in English are not a barrier for admission to any shared-time program. **These courses can count as a math related class when taken the senior year or the 2<sup>nd</sup> year of a Foreign Language.**

**Once these courses are part of a student's schedule they cannot be dropped without the permission of the high school counselor. If a student selects one of these programs it is a year long commitment. The student must complete the course with a grade of "C" or they will be required to reimburse the school district for all tuition and fees that have been paid for by the district. *Transportation for Shared-Time Programs is arranged by the home school. Students must ride arranged transportation or could possibly lose credit in their program***

### 813 MANUFACTURING ACADEMY I

Periods 1-3

Grades 10-12

Can count as an Algebra II or Fine Arts credit

**Lake Michigan College at Brandywine**

First semester will include a fundamental course prepared by industry and education for students intending to focus on technical hands-on experiences in manufacturing. Included will be precision machining, manufacturing graphics, plastic processing, and machine building/repair. This course will explore a variety of career opportunities and manufacturing process, and provide visitation to key local industries. In addition to stressing employability skills, students will be expected to develop and demonstrate skills in the following:

- print reading and drafting
- mathematics & science
- precision measurement
- careers & employment
- machine tool operations
- communication

Achievement of selected competencies would qualify the student for entry into PRECISION MACHINING second semester. This second semester course is designed for the student interested in obtaining machine tool skills required for one of the following:

Entry into an advanced on-the-job training schedule, entry into a machine tool occupation as a beginning technician, and entry into a postsecondary study. This course will enable the student to articulate required technical competencies and related academic instruction to an accredited post-secondary program.

Articulation for community college credit will be addressed on an individual basis.

### 814 MANUFACTURING ACADEMY II

Periods 1-3

Grades 11,12

**Lake Michigan College at Brandywine**

Prerequisite: Successful completion of Manufacturing Acad. I

Manufacturing Academy 2 will reinforce and build on the concepts introduced in the first year of this program. Several options are offered at various sites. Each includes a worksite-based component and placement assistance. Articulation for community college credit will be addressed on an individual basis.

## **870 PROFESSIONAL HEALTH CAREERS**

### **ACADEMY**

Periods 1-4

Grades 11, 12

**Lakeland Hospital – Niles**

Prerequisite: 3.0 GPA

The Professional Health Careers Academy program introduces high school juniors and seniors to professional health careers through both course work and rotating internships in area healthcare facilities. It is a partnership between the Lakeland Regional Health System, Lake Michigan College, Western Michigan University, the PA 56 Consortium, and the Berrien RESA. Students may earn college credits for this course.

## **871 ALLIED HEALTH**

Periods 4-7

Grades 11, 12

**Lakeland Hospital- Niles**

Students will explore major medical occupations and receive certification in CPR (AHA)/First Aid (ARC). Additional certificates of competency can be acquired in Automated Electronic Defibrillator (ATC) and a second certificate in CPR (AHA)/First Aid (ARC) both endorsed by Lakeland Medical Systems and Career Technical Education. Theory is enhanced by laboratory experiences in a well-equipped classroom and clinical visitations at Lakeland Medical Centers. A certificate of competency is awarded upon completion of the program that can lead to employment as a multi-skilled (acute care) patient assistant or nursing assistant (long-term care). Upon endorsement of the instructor, students may have an opportunity to earn credits for this course.

## **872 DENTAL ASSISTANT**

Periods 5-7

Grade 11, 12

**Lake Michigan College @ Bertrand Crossing**

This college level course covers diagnostic, operative, and preventive procedures in the dental area. Students work with instruments, mannequins, computers and records. This is the beginning course for dental assistants. This course may be taken for college credit at the student's expense. The school district will not pay for books for this course.

## **873 WELDING**

Periods 5-7

Grades 11, 12

**Southwestern Michigan College in Niles**

This class is designed for the student who has a genuine interest in learning welding as a part of his/her future occupation. Many areas of welding,

including oxyacetylene, electric arc, mig, and tig will be taught. Manual and automatic flame cutting will also be included. Primary emphasis will be on job entry skills. Students may earn college credits for this course.

## **874 CONSTRUCTION TRADES**

Periods 1-4

Grades 11, 12

**Berrien Springs**

The Construction Trades program prepares students with the skills necessary to work in the construction field building residential and light commercial buildings. The content areas of this class are: Hand and Power Tools, Masonry, Siding, Rough and Finish Carpentry, Roofing, Drywall, Electrical, and Plumbing

## **875 MECHATRONICS/ROBOTICS**

Periods 5-7

Grades 11, 12

**Southwestern Michigan College in Niles**

Mechatronics combines electrical, mechanical, telecommunications, and computer engineering to design and run robotic manufacturing equipment. A mechatronics engineer unites these fields to create a simpler, more economical, and reliable manufacturing system. Students will learn the process to install, maintain and repair electric and electronic equipment. Subject matter covers hydraulics, pneumatics, and welding, as well as networked controllers and interactive web-based asset management. Digital principles are presented in the context of programmable logic devices and microcontrollers. may earn college credits for this course.

## **876 EMERGENCY MEDICAL TECHNICIAN (EMT)**

Periods 1-4

Grades 11, 12

**Berrien Springs**

This program provides an opportunity to earn emergency medical technician and specialist certificates. Courses are college level and the student must earn a grade of "C" or better on all tests/homework, dress as required by clinics and complete 32 hours of clinical work with local ambulance service and hospitals (earned concurrently with class). Information and paperwork will be provided to register in the National Registry and to make reservations for the State examination.

## **877 FIRE SERVICE**

Periods 1-4

Grades 11, 12

**Berrien Springs**

Students enrolled in Fire Fighting I & II will become part of the Berrien Springs Oronoko Fire Department Cadet program. Cadets must be at least 16 years old and have a medical release form for emergency medical treatment. Cadets will be issued full personal protective equipment along with training manuals. This is a half-day program

that includes more than 225 hours of state mandated training and testing. Students who successfully pass all written and authentic testing will become state certified in Fire Fighting I & II upon reaching their 18th birthday and membership in a fire department. This certification is valid for employment anywhere in the state of Michigan.

### **878 LAW ENFORCEMENT ACADEMY**

Periods 1-4 Grades 11, 12  
**Lake Michigan College @ Bertrand Crossing**

This class will expose the student to three college level criminal justice curriculum classes offered in conjunction with Lake Michigan College and directed at the advanced student. *Introduction to Criminal Justice* (lawe140) is the first class studying the agencies of social control that handle criminal offenders. The agencies include law enforcement, criminal courts, and corrections. The second class is *Criminology* (lawe144). Criminology is the study of the origin, extent and nature of crime in society and studies different views of why individuals commit criminal acts as well as theories of crime causation, crime topologies, and the criminal justice system. The third class is entitled, *Seminar in Criminal Justice and Public Safety* (lawe251). The seminar class discusses current topics/problems in criminal justice and public safety areas. Special issues are discussed and qualified students are assigned to agencies or departments as interns in the criminal justice system. Courses in CPR and Emergency First Aid are incorporated into this program of study. In addition to the academic setting, students participate in field trips and will experience guest lectures in each field of study. With the cooperation of the law enforcement community, students also receive hands on courses in basic crash reconstruction and crime scene investigations. This class gives excellent exposure to students that are interested in further knowledge of, or a career in, the criminal justice field. Students may obtain up to 11.5 credit hours of direct credit for this course of study through Lake Michigan College.

### **879 COSMETOLOGY**

Block 4-7 Grades 11, 12  
**Kintsukuri Institute of Cosmetology**

The purpose of the cosmetology course is to prepare students to enter the beauty industry as a hair stylist, manicurist, salon owner, or beauty consultant. A very demanding course, cosmetology requires strong commitment and much deviation from the normal attendance routine. After the 1,500 hours of training have been completed, the student will take a State Board of Cosmetology Examination to receive his/her Cosmetology license.

### **880 AGRISCIENCE**

Periods 1-4 Grades 11, 12  
**Niles High School**

The Agriscience and Natural Resources program gives students the opportunity to participate in the planting, fertilizing, harvesting and marketing of farm products. Students learn about natural resources, plant science, biotechnology, landscaping design, floriculture, sales, marketing, customer relations and mechanical maintenance/repair.

### **886 NETWORK ADMINISTRATION (CISCO)**

Periods 1-4 Grades 11, 12  
**Buchanan High School**

The CISCO Academy is an alliance between CISCO Systems, academy curriculum sponsors, private institutions, education, business, government and communities. This program trains students to build and maintain network systems and prepares them for the demands and opportunities of the information economy. Students who successfully complete this program and their Certified CISCO Network Academy (CCNA) certification will be on their way to a high tech career in network administration. Students may receive college credits for this class.

### **888 HOSPITALITY SERVICES/ CULINARY ARTS**

Periods 1-4 Grades 11, 12  
**Buchanan High School**

The Culinary Foods Program is designed to teach the fundamentals of the culinary arts and to prepare students for entry into rewarding careers in the food industry. Students could also earn State Sanitation Certification through this course. Certification serves as a bonus for graduates who plan to enter the culinary field. There will be a great deal of practical application, including cooking, principles, knife skills, preparation of meats and fish, baking, catering, safety/sanitation procedures, food preparation, customer service, cashiering, waiter, bussing skills, use of food service industry equipment, and a good deal of interaction with the school's food service program.

### **890 ATHLETIC TRAINER/SPORTS MEDICINE**

Periods 1-4 Grades 11, 12  
**Buchanan High School**

The Sports Medicine programs assists students in career exploration and a mastery of basic injury care skills. The course provides students with a combination of classroom instruction and clinical experience that leads to career exploration in various sports medicine fields. Students learn the skills needed to provide basic injury care skills in their area of interest. Students may earn college credits for this course.

### **892 LMC EARLY COLLEGE ACADEMY**

Periods 1-4 Grades 11, 12

**Lake Michigan College @ Bertrand Crossing**

Prerequisite: 3.5 GPA and have a qualifying standardized test score

The academy is a more intensive Early College experience. You can take up to four, three-credit college courses per semester (12 contact hours maximum per semester), compared to the two courses generally recommended for traditional Early College plans. Students who attend the academy for one year typically earn 20 to 24 college credits. Those who attend during their junior and senior years and during the summer semesters can complete enough credits to earn an Associate's Degree and enter college full time as a junior following high school graduation. All academy classes take place on Lake Michigan College's Bertrand Crossing Campus in Niles, giving you the full college experience with other college students. Classes meet in the mornings, five days a week. The second half of your school day is spent at your high school, allowing you to participate in sports, music, and club activities. You can also choose to be part of the many LMC clubs and activities available to students. The school district will pay the student's tuition, books (up to \$300 maximum per semester) and mandatory course fees, material fees and registration fees charge by the post-secondary institution (up to the allotted amount that is determined by the State) up to 12 contact hours. The purchase of books by the school is subject to change at any time based on the school budget and/or State law.

### **892 5<sup>TH</sup> YEAR EARLY/MIDDLE COLLEGE (E/MC)**

Periods 1-4 Grades 11, 12

**Lake Michigan College @ Bertrand Crossing**

Prerequisite: Be on track for graduation, and have qualifying scores on a standardized test.

The Berrien County 5th Year Early/Middle College (E/MC) is an exciting and effective way for students to earn up to an Associate's Degree while still in high school. Through this innovative program, students will be able to save both time and money as they pursue a college credential. This program is designed to provide all students an opportunity to earn a high school diploma AND a career certificate, a MEMCA Certificate or an Associate degree, all of which can assist a student on a Bachelor's degree track or employment. **In order to complete the coursework required for this program, students will commit to spending three years in the E/MC, grades 11, 12, and 13.**

The E/MC is structured so that students gradually increase their exposure to college courses throughout their High School experience. Students apply for admission to the E/MC in grade 10, and if accepted, begin taking college classes in grade 11. Students will be half-time high school students and half-time college students during grades 11 and 12. By the time they reach the 5th year of high school, they'll be a full-time college student and all of their coursework will be completed on-site at a Lake Michigan College.

## **SCHOOL-TO-CAREER**

The Brandywine High School Career Pathway system is designed to prepare students to make effective school-to-career connections. Students will participate in a work-based learning experience as part of their career pathway and individual academic/career plan. Through learning experiences that connect school-based learning to work-based experiences the student will be better prepared to realize both academic and career potential.

### **912 SCHOOL-TO-WORK**

1 Year

Grades 11, 12

The School-to-Work course is an employment-based program; i.e. work experience. Students will participate and earn credit in supervised work experiences that supports their Career Pathway. Students will be expected to model and demonstrate punctuality, good communication skills, cooperative work habits and team efforts supportive of the industry and employer. An individualized plan, which links the school and work-based experience, will be developed by the student, employer and teacher. All work sites and plans must be approved by the School-to-Work coordinator. Juniors may have 1 period of School-To-Work per semester and seniors may have up to 3 periods per semester.

**This is a credit/no credit course so students are not given a letter grade for this class.**

### **913 INTERNSHIP**

1 Semester or 1Year

Grades 11, 12

A period of time spent in business, industry or other agency for the purpose of providing student with opportunities to gain insight and direct experience related to one or more functions of the organization. Internship gives a student paid or unpaid work experience in a career field of study. Juniors may have 1 period of internship and seniors may have up to two periods of internship per semester. **This is a credit/no credit course so students are not given a letter grade for this class.**

# **BRANDYWINE ATHLETICS**

## **MISSION STATEMENT**

The Brandywine Community School District is committed to providing quality athletic programs as a complement to academic excellence. We will strive to provide the best athletic instruction, equipment, and facilities possible. We will provide academic support for our student-athletes through cooperation and communication between administration, coaches, teachers, students and parents. We believe participation in athletics can build confidence, self-esteem, teamwork, and a positive mental attitude. The experience and skills learned through athletics will help prepare our students for life's activities.

All freshman are eligible to participate in high school sports. Eligibility for participation is checked regularly to ensure that students don't fall behind in their coursework. The following is a list of sports available at Brandywine High School:

### **HIGH SCHOOL SPORTS**

<i>Fall</i>	<i>Cross Country</i>
<i>Fall</i>	<i>Football</i>
<i>Fall</i>	<i>Men's Soccer</i>
<i>Fall</i>	<i>Volleyball</i>
<i>Fall</i>	<i>Men's Tennis</i>
<i>Fall/Winter</i>	<i>Cheer</i>
<i>Winter</i>	<i>Bowling</i>
<i>Winter</i>	<i>Men's Basketball</i>
<i>Winter</i>	<i>Women's Basketball</i>
<i>Winter</i>	<i>Wrestling</i>
<i>Spring</i>	<i>Baseball</i>
<i>Spring</i>	<i>Softball</i>
<i>Spring</i>	<i>Track and Field</i>
<i>Spring</i>	<i>Women's Tennis</i>
<i>Spring</i>	<i>Women's Soccer</i>
<i>Spring</i>	<i>Golf</i>

Mr. Vance Stratton  
Athletic Director  
(269) 683-4800 ext. 3207

# EXTRA-CURRICULAR ACTIVITIES

**Extra-Curricular activities and school sponsored clubs enhance the school environment Participation in school and out of school is encouraged.**

**The following is a list of some of the extra-curricular activities available at Brandywine High School:**

**Academic Challenge Team**

Quiz Bowl type activity which competes against other schools

**Art Club**

Meets weekly after school to explore different art media that are not covered in class. The purpose of the Art Club is to give extra time to develop students artistic skills and abilities.

**Business Club**

Provides students with an opportunity outside of the classroom for career readiness and college preparation. Students are presented with real life situations that will guide them in the correct Career Pathway for their future.

**French National Honor Society**

Must be enrolled in French for 4 semesters and maintain an “A” average.

**History Club**

Students will explore history through various activities, including field trips.

**Instrumental Music**

Concerts, Jazz Band, Marching Band, Solo & Ensembles

**National Honor Society**

Sophomores, juniors, and seniors who have a cumulative G.P.A. of 3.0 or high and based on service and leadership.

**Poetry Club**

Students have the opportunity to express themselves through their writing

**Science Olympiad**

Students compete against other schools in science competition

**Spanish National Honor Society**

Students maintain an “A” average in Spanish for at least three semesters.

**Student Senate**

Show leadership and responsibility.

Sponsor dances and Homecoming events.

**VICA**

*Vocational Industrial Clubs* Competes against other schools of America

**Vocal Music**

Offers many after school activities: Treblaires, Varsity Choir, Band, Jazz Band, Musical Productions, and Solo & Ensembles

# RECOMMENDED BY UNIVERSITY BOARDS

## FOUR-YEAR COURSE OF STUDY

On the following page is recommended four different courses of study to guide you in making course selections. When making academic choices, it is important to have a realistic perception of your abilities and to make your selection accordingly. Very few students would qualify for the requirements necessary to be admitted into Plan 1, the most competitive four-year plan. The colleges that accept students under Suggested Plans II and III are excellent colleges and the majority of our students would qualify for these two categories.

### I. MOST COMPETITIVE COLLEGES

#### Average ACT 28 Minimum GPA 3.50

4 years of English - English 9, 10, 11, and 2 semesters of strong college prep electives  
4 years of Math or more - Students need to take the most rigorous courses possible.  
3 years of Lab Sciences (minimum) - Students need to take the most rigorous courses possible.  
3 years of Social Studies – Civics/Economics, US History, and two semesters of strong college prep electives  
2-4 years of Foreign Language  
4 core classes taken the senior year

### II. COMPETITIVE COLLEGES

#### Average ACT 25 Minimum GPA 3.0

4 years of English - English 9, 10, 11, and 2 semesters of strong college prep electives  
3 years of Math (minimum) - Algebra 1, Geometry, Algebra 2  
3 years of Social Studies – Civics/Economics, US History, 2 semesters of electives  
2-3 years of Science - Biology, Chemistry, Physics, and Anatomy/ Physiology  
2-4 years of a Foreign Language is encouraged and in some cases required.  
4 core classes taken the senior year

### III. LESS COMPETITIVE COLLEGES

#### Average ACT 20 Minimum GPA 2.5

4 years of English - English 9, 10, 11, and 2 semesters of strong college prep electives  
2-3 years of Math - Algebra 1, Geometry, Algebra II  
2-3 years of Science - Environmental/Earth Science, Biology, and Chemistry  
3 years of Social Studies – Civics/Economics, US History, 2 sem. of electives  
2 years of a Foreign Language is encouraged but not required.

### IV. COMMUNITY COLLEGE, BUSINESS SCHOOL, TRADE SCHOOL OR APPRENTICESHIP PROGRAMS.

3 years of English (Minimum)  
3 years of Social Studies  
Completion of Algebra, however some trade schools or apprenticeship programs may want more math background  
1 year of Science

*Students should take classes within the department of their major field of study or interest area.*

## TIPS FOR COLLEGE ADMISSION

Colleges consider the following areas when reviewing college applications for admission:

1. The high school academic record is the most important. This includes:
  - a. College prep classes (5 academic areas: English, Math, Science, Social Studies and Foreign Languages)
  - b. Level and intensity of courses such as Honors and AP courses completed.
2. Grade point average and rank in class.
3. Test Scores - ACT and/or SAT
4. Recommendation from high school (which include student's character and personality)
5. Extracurricular activities

## Michigan Colleges & Universities

*It is the understanding of the students and staff at Brandywine High School that continuing education is necessary for both college and university pathway students so they can better compete in the future job market.*

### Upper Peninsula

Suomi College--Hancock  
Michigan Tech. University--Houghton  
Northern Michigan University  
Gogebic Community College  
Bay De Noc Community College  
Lake Superior St. University

### Northern Michigan

North Central Michigan College  
Alpena Community College  
Kirtland Community College  
Northwestern Michigan College  
Baker College of Cadillac  
Ferris State University  
West Shore Community College

### Mid Michigan

Mid Michigan Community College  
Northwood University  
Central Michigan University  
Alma College  
Great Lakes Junior College  
Montcalm Community College  
Delta College  
Saginaw Valley State University  
Baker College of Port Huron  
St. Clair Community College  
Baker College of Muskegon  
Muskegon Community College

### Lansing Area

Michigan State University  
Lansing Community College  
Davenport College of Business  
Great Lakes Christian College  
Baker College of Owosso

### Grand Rapids Area

Grand Valley State University--Allendale  
Grand Rapids Community College  
Aquinas College  
Calvin College  
Davenport College of Business  
Grace Bible College  
Cornerstone College  
Kendall College of Art and Design  
Reformed Bible College  
Hope College

### Kalamazoo Area

Western Michigan University  
Kalamazoo Valley Community College  
Davenport College of Business  
Kalamazoo College

### Lower Michigan

Lake Michigan College  
Southwestern Michigan College  
Andrews University  
Glen Oaks Community College  
Olivet College  
Baker College--Jackson  
Albion College  
Kellogg Community College  
Hillsdale College  
Jackson Community College  
Spring Arbor College  
St. Mary's College  
Adrian College  
Siena Heights College  
Eastern Michigan University  
Monroe County Community College

### Flint Area

University of Michigan--Flint  
Charles S. Mott Community College  
Baker College of Flint  
Kettering (formerly GMI)

### Detroit Area

U. Michigan--Dearborn  
Wayne State University  
Henry Ford Community College  
Macomb Community College  
Oakland C.C.--Bloomfield Hills  
Schoolcraft College--Livonia  
Wayne County Community College  
Center for Creative Studies  
Detroit College of Business  
Lawrence Technological University  
Lewis College of Business  
Madonna University--Livonia  
Marygrove College  
Sacred Heart Seminary College  
University of Detroit Mercy  
Walsh College of Acct. & B.A.--Troy  
William Tyndale College--Farming Hills  
Baker College of Mt. Clemons

### Rochester Area

Michigan Christian College  
Oakland University  
Baker College of Auburn Hills

### Ann Arbor Area

University of Michigan  
Washtenaw Community College  
Cleary College  
Concordia College

## Website Directory - Michigan Colleges and Universities

### **PUBLIC FOUR-YEAR COLLEGES & UNIVERSITIES**

Central Michigan University [www.cmich.edu](http://www.cmich.edu)  
Eastern Michigan University [www.emich.edu](http://www.emich.edu)  
Ferris State University [www.ferris.edu](http://www.ferris.edu)  
Grand Valley State University [www.gvsu.edu](http://www.gvsu.edu)  
Lake Superior State University [www.lssu.edu](http://www.lssu.edu)  
Michigan State University [www.msu.edu](http://www.msu.edu)  
Michigan Tech University [www.mtu.edu](http://www.mtu.edu)  
Northern Michigan University [www.nmu.edu](http://www.nmu.edu)  
Oakland University [www.oakland.edu](http://www.oakland.edu)  
Saginaw Valley State University [www.svsu.edu](http://www.svsu.edu)  
University of Michigan [www.umich.edu](http://www.umich.edu)  
Wayne State University [www.wayne.edu](http://www.wayne.edu)  
Western Michigan University [www.wmich.edu](http://www.wmich.edu)

### **PUBLIC JUNIOR & COMMUNITY COLLEGES**

Alpena Community College [www.alpenacc.edu](http://www.alpenacc.edu)  
BayDeNoc Community College  
[www.baycollege.edu](http://www.baycollege.edu)  
Charles Stewart Mott Comm. College  
[www.mcc.edu](http://www.mcc.edu)  
Delta College [www.delta.edu](http://www.delta.edu)  
Glen Oaks Comm. College  
[www.glenoaks.cc.mi.us](http://www.glenoaks.cc.mi.us)  
Gogebic Community College  
[www.gogebic.cc.mi.us](http://www.gogebic.cc.mi.us)  
Grand Rapids Community College  
[www.grcc.edu](http://www.grcc.edu)  
Great Lakes Maritime Acad.  
[www.nmc.edu/maritime](http://www.nmc.edu/maritime)  
Henry Ford Community College [www.hfcc.edu](http://www.hfcc.edu)  
Jackson Community College [www.jccmi.edu](http://www.jccmi.edu)  
Kalamazoo Valley Comm. College  
[www.kvcc.edu](http://www.kvcc.edu)  
Kellogg Community College [www.kellogg.edu](http://www.kellogg.edu)  
Kirtland Community College [www.kirtland.edu](http://www.kirtland.edu)  
Lake Michigan College  
[www.lakemichigancollege.edu](http://www.lakemichigancollege.edu)  
Lansing Community College [www.lcc.edu](http://www.lcc.edu)  
Macomb Community College  
[www.macomb.edu](http://www.macomb.edu)  
Mid Michigan Comm. College  
[www.midmich.edu](http://www.midmich.edu)  
Monroe Count. Comm. College  
[www.monroecc.edu](http://www.monroecc.edu)

Montcalm Community College [www.montcalm.edu](http://www.montcalm.edu)  
Muskegon Comm. College [www.muskegon.cc.mi.us](http://www.muskegon.cc.mi.us)  
North Central Michigan College [www.ncmich.edu](http://www.ncmich.edu)  
Northwestern Michigan College [www.nmc.edu](http://www.nmc.edu)  
Oakland Community College [www.oaklandcc.edu](http://www.oaklandcc.edu)  
Schoolcraft College [www.schoolcraft.edu](http://www.schoolcraft.edu)  
Southwestern Michigan College [www.swmich.edu](http://www.swmich.edu)  
St. Clair County Community College [www.sc4.edu](http://www.sc4.edu)  
Washtenaw Community College [www.wccnet.edu](http://www.wccnet.edu)  
Wayne County Community College [www.wccc.edu](http://www.wccc.edu)  
West Shore Community College [www.westshore.edu](http://www.westshore.edu)

### **NONPUBLIC TWO & FOUR-YEAR COLLEGE & UNIVERSITIES**

Adrian College [www.adrian.edu](http://www.adrian.edu)  
Albion College [www.albion.edu](http://www.albion.edu)  
Alma College [www.alma.edu](http://www.alma.edu)  
Andrews University [www.andrews.edu](http://www.andrews.edu)  
Aquinas College-MI [www.aquinas.edu](http://www.aquinas.edu)  
Baker College [www.baker.edu](http://www.baker.edu)  
Calvin College [www.calvin.edu](http://www.calvin.edu)  
Cleary College [www.cleary.edu](http://www.cleary.edu)  
Concordia University [www.cuaa.edu](http://www.cuaa.edu)  
Cornerstone College [www.cornerstone.edu](http://www.cornerstone.edu)  
Davenport College [www.davenport.edu](http://www.davenport.edu)  
Grace Bible College [www.gbcol.edu](http://www.gbcol.edu)  
Great Lakes Christian College [www.glcc.edu](http://www.glcc.edu)  
Hillsdale College [www.hillsdale.edu](http://www.hillsdale.edu)  
Hope College [www.hope.edu](http://www.hope.edu)  
Kalamazoo College [www.kzoo.edu](http://www.kzoo.edu)  
Kendall College of Art and Design [www.kcad.edu](http://www.kcad.edu)  
Kettering University [www.kettering.edu](http://www.kettering.edu)  
Kuyper College [www.kuyper.edu](http://www.kuyper.edu)  
Lawrence Technological University [www.ltu.edu](http://www.ltu.edu)  
Lewis College of Business [www.lewiscollege.edu](http://www.lewiscollege.edu)  
Madonna University [www.madonna.edu](http://www.madonna.edu)  
Marygrove College [www.marygrove.edu](http://www.marygrove.edu)  
Northwood University-MI [www.northwood.edu](http://www.northwood.edu)  
Olivet College [www.olivetcollege.edu](http://www.olivetcollege.edu)  
Rochester College [www.rc.edu](http://www.rc.edu)  
Siena Heights College [www.sienaheights.edu](http://www.sienaheights.edu)  
Spring Arbor College [www.arbor.edu](http://www.arbor.edu)  
University of Detroit Mercy [www.udmercy.edu](http://www.udmercy.edu)  
Walsh College [www.walshcollege.edu](http://www.walshcollege.edu)  
William Tyndale College [www.williamtyndale.edu](http://www.williamtyndale.edu)

# NCAA INITIAL - ELIGIBILITY CLEARINGHOUSE

## YOUR RESPONSIBILITY AS A PROSPECTIVE STUDENT ATHLETE

If you are planning to enroll in college as a freshman and you wish to participate in Division I or Division II athletics, you must be certified by the NCAA Initial-Eligibility Clearinghouse. It is your responsibility to make sure the Clearinghouse has the documents it needs to certify you. These documents are: Your completed and signed Student Release Form and fee.

Your official transcript mailed directly from every high school you have attended.

Your ACT or SAT scores mailed directly from the testing agency.

When to start the process? Usually the end of your junior year in high school.

### CORE UNITS REQUIRED FOR NCAA CERTIFICATION

	Division I	Division II
English Core	4 years	3 years
Math Core (including Algebra I or higher)	3 years	2 years
Science Core (including at least one year of lab science, if offered.)	2 years	2 years
Social Studies Core	2 years	2 years
Additional English, Math, or Science	1 year	3 years
Additional Core (from any areas above, Foreign Language, Philosophy, and Nondoctrinal Religion)	4 years	4 years
<b>TOTAL CORE UNITS REQUIRED</b>	<b>16</b>	<b>16</b>

**Division II:** Students must have a minimum GPA of 2.0 in the 16 core courses and earn a sum of scores of at least 68 on the ACT or a combined score of at least 820 on the SAT.

**Division I:** Minimum 2.3 GPA in the 16 core courses and required ACT and SAT score vary according to the Initial-Eligibility Index below.

### Visit [www.eligibilitycenter.org](http://www.eligibilitycenter.org) for more information and to complete an application

Core GPA	ACT Sum	SAT	Core GPA	ACT Sum	SAT
above 2.500	67	810	2.250	77	920
2.500	68	820	2.225	78	930
2.475	69	830	2.200	79	940
2.450	70	840-850	2.175	80	950
2.425	70	860	2.150	80	960
2.400	71	860	2.125	81	970
2.375	72	870	2.100	82	980
2.350	73	880	2.075	83	990
2.325	74	890	2.050	84	1000
2.300	75	900	2.025	85	1010
2.275	76	910	2.000	86	1020

## NCAA INITIAL - ELIGIBILITY CLEARINGHOUSE - Continued

The NCAA has approved the following courses for use in establishing the initial-eligibility certification status of student-athletes from this school. Some course titles may begin with one of the following prefixes. These prefixes are defined as the following:

= Only students who have received proper NCAA approval for their diagnosed learning disability may receive credit for these approved courses.

! A student will receive no more than one mathematics credit for the successful completion of any two courses so noted.

!! A student will receive NCAA mathematics credit according to the unique credit values noted.

> A student will receive no more than one unit of NCAA natural/physical science credit for the successful completion of all courses so noted.

>> A student will receive no more than one and one-half units of NCAA natural/physical science credit for the successful completion of all courses so noted.

>>> A student will receive no more than two units of NCAA natural/physical science credit for the successful completion of all courses so noted.

NCAA legislation requires that each core-course's content be distinct in order for a student to receive NCAA credit for the course. Therefore, all courses must contain material which is at least 75% unique from all other courses which a student wishes to use in certifying eligibility.

### **NCAA APPROVED CORE COURSES**

<u>ENGLISH</u>	<u>MATHEMATICS</u>	<u>NATURAL/PHYSICAL SCIENCE</u>	<u>ADDITIONAL CORE COURSE</u>
English 12	Algebra I	Anatomy	French I
English 11	Algebra II	Biology I CP	French II
English 10	Calculus	Biology II	French III
English 9	Calculus DE	Chemistry I	French IV
English Comp. I	Geometry	Chemistry II	French V
English Comp. I	MSC Algebra II	Earth Science	Spanish I
Journalism	MSC AP Cal	Environmental Science	Spanish II
Public Speaking	MSC Geometry	MSC Biology I	Spanish III
	MSC Pre-Calc	MSC Biology II	Spanish IV
	Pre-Calculus- DE	MSC Chemistry I	Spanish V
	Trigonometry/Pre-Calculus	MSC Chemistry II	
	<u>SOCIAL SCIENCE</u>	MSC Physics I	
	Econ	MSC Physics II	
	Civics	Physical Science	
	Psychology	Physics I	
	Sociology	Physics II	
	US History		
	World Geography		
	World History		
	Current Events		

# BRANDYWINE HIGH SCHOOL

**Student Name:** \_\_\_\_\_ **Career Pathway:** \_\_\_\_\_

## Four Year Career Pathway Worksheet

It is important for parents/guardians and their student to plan out a four-year educational plan. This page is provided to assist you with this process. The classes listed, often called core classes, are those which are required. Where “elective” is indicated the student may choose the course he/she wishes to take. When selecting electives be sure to read the course description for the elective. Certain electives can only be taken during specific years and/or require prerequisites.

<b>Freshman</b>	
<b>Semester I</b>	<b>Semester II</b>
English 9	English 9
Math	Math
Science	Science
US History	US History
Health/P.E.	Health/P.E.
Elective	Elective
Elective	Elective

<b>Sophomore</b>	
<b>Semester I</b>	<b>Semester II</b>
English 10	English 10
Math	Math
Science	Science
Economics/Civics	Economics/Civics
Elective	Elective
Elective	Elective
Elective	Elective

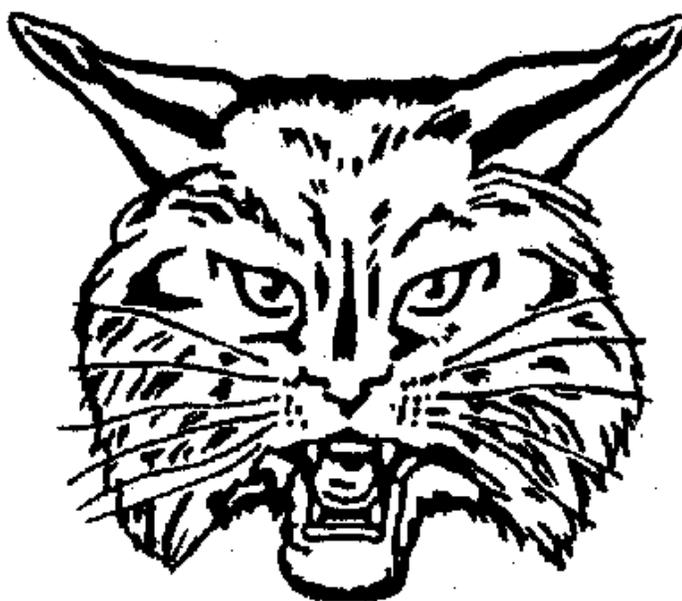
<b>Junior</b>	
<b>Semester I</b>	<b>Semester II</b>
English 11	English 11
Math	Math
Science	Science
World History	World History
Elective	Elective
Elective	Elective
Elective	Elective

<b>Senior</b>	
<b>Semester I</b>	<b>Semester II</b>
English 12	English 12
Math	Math
Elective	Elective

## Brandywine High School Schedule

7:45a.m. – 8:35 a.m.	Period 1	50 Minutes
8:35 a.m. – 8:40 a.m.	Announcements	5 Minutes
8:40 a.m. – 8:45 a.m.	Passing Time	5 Minutes
8:45 a.m. – 9:35 a.m.	Period 2	50 Minutes
9:35 a.m. – 9:40 a.m.	Passing Time	5 Minutes
9:40 a.m. – 10:30 a.m.	Period 3	50 Minutes
10:30 a.m. – 10:35 a.m.	Passing Time	5 Minutes
10:35 a.m. – 11:25 a.m.	Period 4	50 Minutes
11:25 a.m. – 11:50 a.m.	A Lunch	25 Minutes
11:55 a.m. – 12:45 p.m.	Period 5	50 Minutes
11:30 a.m. – 12:20 p.m.	Period 5	50 Minutes
12:20 a.m. – 12:45 p.m.	C Lunch	25 Minutes
12:45 p.m. – 12:50 p.m.	Passing Time	5 Minutes
12:50 p.m. – 1:40 p.m.	Period 6	50 Minutes
1:40 p.m. – 1:45 p.m.	Passing Time	5 Minutes
1:45 p.m. – 2:35 p.m.	Period 7	50 Minutes

- All students have 7 classes
- Each class meets every day for 50 minutes



# THANK YOU...

*Thanks to our high school staff for their implementation of our Career Pathways program.*

Patrick Weckel  
Josh Hood  
Morgan Bailey  
Wynne Baumgartner  
Denise Boger  
Terry Borr  
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MariBeth Burge  
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Lorraine Duffield  
Doug Fox  
Tanya Hartmann  
Marilyn Haslett

Andrea Hauck  
Christopher Inman  
Sue Jordan  
Rick Kiefer  
Kim Knapp  
Kaitlyn Kovac  
Amanda Lezotte  
Brad Light  
Ruth Livengood  
Rory McLaughlin  
Angela Mellott  
Randy Miller  
Nancy Mitchell  
James Moray  
Rex Pomranka

Abbie Prenkert  
Joshua Rinehart  
Angela Roeder  
David Roeder  
Ryan Schau  
Samantha Schneider  
David Sidenbender  
Kevin Smith  
Patrick Stier  
Vance Stratton  
Eric Szilagyi  
Jeremy Tilly  
Josh Thomas  
Kylie Tripp  
Stacy Vitek



# BHS



# PRIDE