

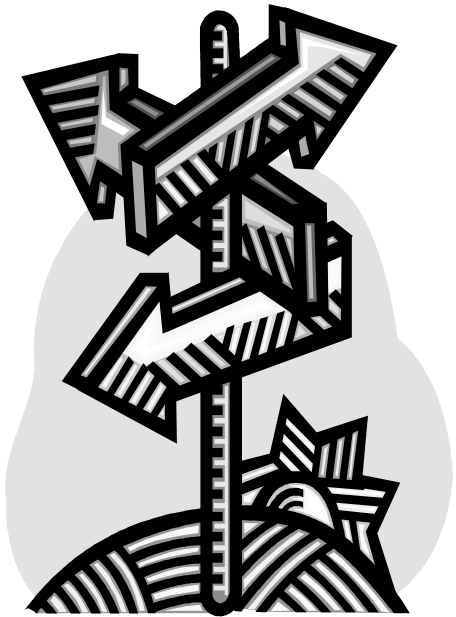
WILLOUGHBY-EASTLAKE CITY SCHOOLS

CEEB CODE

To be used for Standardized
Testing and College Applications.

North – 362-022

South – 365-574



COURSE SELECTION GUIDE

2014 – 2015

“Our #1 goal is to improve achievement for all students.”

WILLOUGHBY-EASTLAKE CITY SCHOOLS

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Connie Newyear, Board Member
Sharon Scott, Board Vice President
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Director of Curriculum (K-12), Gina Kevern
Director of Technology, Patrick McKinney

NORTH HIGH SCHOOL

Principal

Jennifer Chauby...975-3692

Assistant Principals

Stephen Hertrick...975-3668

Jeff Lyons...975-3698

Guidance Staff

(by student last name)

(A-F)

Jen Orlando...975-3672

(G-O)

Kirsten Vaughan...975-3667

(P-Z)

Lindsay Lane...975-3673

SOUTH HIGH SCHOOL

Principal

Lee Walker...975-3628

Assistant Principals

Dave Miller...975-3646

Ericka Blackburn...975-3626

Guidance Staff

(by student last name)

(A-G)

Karen Finnegan...975-3653

(H-O)

SK Parrish...975-3659

(P-Z)

Virginia Joyce...975-3657

CAREER ACADEMY

**(Previously TECHNICAL
CENTER)**

Director

Sue Roseum...602-5090

NONDISCRIMINATION POLICY: The Willoughby-Eastlake City Schools comply with the Rules and Regulations as set forth in Title IX implementing the Education Amendments of 1972 and Section 504 of the Rehabilitation Act of 1973. Complaints from students will follow a three-step procedure:

1) grievance filed initially with the building administrator (or designee) with notification to the Title IX compliance officer, 2) review by the appropriate director, and 3) appeal to the compliance officer.

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GENERAL INFORMATION

SCHOOL DAY

The school day at North and South High Schools consists of eight periods, one period being scheduled for lunch. The Technical Center school day is divided into blocks of time depending upon the particular career and technical education program. Career and Technical Education students eat lunch at their home school. In periods not filled with a course or lunch, students will be assigned to study halls.

ATTENDANCE

Attendance and punctuality are the responsibility of the student and parent(s)/guardian(s). The school's responsibility is to provide instruction. **By state law**, regular attendance is mandatory for all students. **When a student is absent, a parent/guardian is required to notify the school as early in the day as possible. If a call is not received, a note (signed by the parent/guardian) excusing the student is required. A statement stating the reason for the absence must be included.**

MINIMUM COURSE LOAD

Students must take between 5.50 and 6.00 units of credits each school year to ensure meeting the requirement of **21.5 credits necessary for graduation**.

- Both required and elective courses must equal the 21.5 credit count. Students are strongly encouraged to take additional credits each year.
- Recommended maximum credits per year are 6.00.
- **Students who are involved in athletics are responsible for checking that they are scheduled for at least five credits each semester.**

CLASS STANDING

To achieve sophomore, junior, or senior class standing and be placed in the corresponding homeroom, students should have earned the minimum number of credits indicated below:

Sophomore Class	5 credits accumulated
Junior Class	10 credits accumulated
Senior Class	15 credits accumulated

If a student is in his/her fourth year of high school and is enrolled in a sufficient number of courses so that passing all those courses would give that student sufficient credits to graduate, that student will be classified as a senior and become a candidate for graduation.

All Willoughby-Eastlake School courses required for graduation are aligned to the Ohio Department of Education's New Learning Standards and College and Career Ready Standards, which are available online at: <http://education.ohio.gov/Topics/Academic-Content-Standards/New-Learning-Standards>

GRADUATION REQUIREMENTS

For the 2014-2015 school year, all students must complete 21.5 units of high school credit in grades 8 through 12 and pass all statewide assessments as required by the Ohio Department of Education.

These units must include:

<u>All Graduating Classes</u>	
English	4.0 (9, 10, 11, 12)
Social Studies	3.0 (Must include American History, American Government and a course which includes economics and financial literacy)
Mathematics	4.0 (Must include Algebra II or its equivalent)
Science	3.0 (Must include the following or its equivalent: (1) unit of Physical Science (1) unit of Biology, & (1) unit of Advanced Study ¹ in 1 or more of the following sciences: Chemistry, Physics, other Physical Science; Advanced Biology or other Life Science; Astronomy, Physical Geology, or other Earth or Space Science)
Health	.5
Physical Education	.5**
Computer Science	<u>.5</u>
	15.5
Electives	<u>6.0***</u>
	21.5 (Total credits needed to earn graduation)

¹An advanced course contains content beyond that required by the statewide assessments and is designed around benchmarks at the 11th and/or 12th grade Ohio's New Learning Standards in Science.

** A student who participates in interscholastic athletics, marching band, or cheerleading for at least 2 full seasons may substitute a different half- unit credit class in any subject for the physical education unit.

***Electives units must include one or any combination of World (Foreign) Language, Fine Arts, Business, Career-Technical Education, Family and Consumer Sciences, Junior ROTC Programs, Technology, Agricultural Education or English Language Arts, Mathematics, Science or Social Studies courses not otherwise required. Students must complete at least 2 semesters of Fine Arts taken any time in grades 7-12. Students enrolled in a "Career-Technical track"-interpreted by the ODE as a minimum of one credit or one year in coursework representing coherent sequential Career-Technical content, are exempt from the Fine Arts requirement.

DIPLOMAS AND STATE TESTING

In order to receive a high school diploma, a student must pass all statewide tests required by the Ohio Department of Education and meet the requirement of 21.5 units of credit.

ACCELERATED STUDENTS

In 2006, The Ohio Department of Education passed a new resolution #3324.10 (part of House Bill 66) which now allows an accelerated student to apply for “early graduation” if the student has met all of the state and Willoughby-Eastlake district’s requirements for graduation. In addition, said student must also pass all statewide tests required by ODE. Any student meeting all the criteria for early graduation, must state his/her intention in writing to the Guidance department before the second semester of grade 11. Students who opt for early graduation are not eligible to take PSEO classes after they graduate.

PASS/FAIL COURSES

As per W-E Board policy, a student may enroll in a course on a pass/fail basis only when the course is not a requirement for graduation. **The decision to take a course on a pass/fail basis should be made before the course begins.** No more than one course may be taken under pass/fail each semester. Pass/fail courses do not count in the Grade Point Average (GPA).

The pass/fail course will count for credit in the 21.5 credits needed for graduation and grades will appear on the report card, which will indicate the student’s progress on the A through F scale. The A through F scale will be converted to a pass (P) or fail (F) in the final grade. If the final grade is A, B, C or D then a “P” for “pass” will appear. If the final grade is F, an “F” for “fail” will appear. All through the year the eligibility rules apply, meaning that a Pass/Fail course must show a passing grade for a student to be eligible.

Students may want to check with the colleges they are considering to ensure that the college will accept the pass/fail indicator in lieu of a letter grade. The student’s transcript will indicate “P” (pass) or “F” (fail) for any course he or she takes under this option.

REPORT CARDS

Report cards provide a summary of a student’s scholastic achievement and his/her attendance and tardiness record. Report cards are issued each quarter, which spans approximately nine weeks. Parents/guardians may access grades on PowerSchool.

AWARDS FOR ACADEMIC ACHIEVEMENT

In accordance with the Willoughby-Eastlake Board of Education’s philosophy that students should be recognized for achievement in all areas of the district’s educational program, a system of awards for academic excellence has been established. The end-of-the year grade point average from the previous school year shall determine eligibility for awards. Separate awards shall be given for the Principal’s List (GPA of 3.76 and above, with no grade below a “C”) and for the Honor Roll (GPA of 3.0 to 3.75 with no grade below a “C”). A separate system of academic awards has been established for students in special education programs.

HONOR ROLL

To Achieve Honor Roll status in the middle schools and high schools, a student must earn:

4.0+ - 3.76	Principal’s List
3.75 - 3.0	Honor Roll

HONORS DIPLOMA

The Ohio State Board of Education has established a Diploma with Honors. Students must meet the following criteria:

*The student who completes the **high school academic** curriculum shall meet at least seven of the following eight criteria:*

1. Earn four units of English;
2. Earn at least four units of Mathematics which shall include Algebra I, Algebra II, Geometry and another higher level course or a four-year sequence of courses which contains equivalent content;
3. Earn at least four units of Science including one unit of Physics and one unit of Chemistry;
4. Earn four units of Social Studies;
5. Earn three units of a World (Foreign) Language (must include no less than two units for which credit is sought), i.e., three units of one language or two units each of two languages;
6. Earn one unit of Fine Arts;
7. Maintain an overall high school grade point average of at least 3.5 on a four-point scale up to the last grading period of the senior year; or
8. Obtain a composite score of 27 on the American College Test's (ACT) assessment (excluding the optional writing test) or a combined score of 1210 on the College Board's SAT verbal and mathematics sections (excluding the required writing section).

*Beginning with the graduating class of 2012, the student who completes an intensive **Career-Technical** education curriculum shall meet at least seven of the following eight criteria:*

1. Earn four units of English;
2. Earn at least four units of Mathematics which shall include Algebra I, Algebra II, Geometry and another higher level course, or a four-year sequence of courses which contains equivalent content;
3. Earn at least four units of Science, including two advanced sciences;
4. Earn four units of Social Studies;
5. Earn four units in a Career-Technical education program that leads to an industry-recognized credential, results in an apprenticeship or is part of an articulated career pathway, which can lead to post-secondary credit. If the student's program design does not provide for any of these outcomes, then the student must achieve the proficiency benchmark established for the applicable Ohio career-technical competency assessment or the equivalent;
6. Achieve the proficiency benchmark established for the Ohio Career-Technical Competency Assessment (available at http://www.webxam.org/info_docs.asp, with additional content available by clicking [here](#)) or equivalent assessment aligned with state-approved and industry validated technical standards;
7. Maintain an overall high school grade point average of at least 3.5 on a 4.0 scale up to the last grading period of the senior year; or
8. Obtain a composite score of 27 on the American College Testing Service's (ACT) assessment (excluding the optional writing test) or a combined score of 1210 on the CollegeBoard's SAT verbal and mathematics sections (excluding the score obtained on the required writing section).

ELIGIBILITY FOR PARTICIPATION IN ACTIVITIES

All students in Grades 6 through 12 who wish to participate in school activities must meet a minimum required grade point average of 2.0. "Activities" have two traits:

1. They are not required as part of a student's academic program, and
2. A paid advisor is employed.

For specific activities, particular buildings may establish higher grade point averages than the minimum required as well as other requirements not noted here. For purposes of activities, grade point averages are cumulative from the beginning of each grading period. At the start of a grading period, **a student's eligibility for participation shall be based on his/her grade point average by the immediately preceding grading period.**

OHSAA guidelines for **Grades 7 – 12**: To be eligible, a **passing grade in five one-credit subjects or five credits collectively each grading period is mandatory. (For clarification, see your counselor or Athletic Director).** *For all students, eligibility for the first grading period of a school year is determined by the 4th grading period grades from the previous school year.* In addition to the W-E requirements, the rules of the Ohio High School Athletic Association (OHSAA) regarding eligibility of students also apply to all programs. **Summer school grades may not substitute an "F" received in the final grading period of the regular school year or for a lack of enough courses taken the preceding grading period.**

The following district rules apply for each grading period: Students with an average of **2.0 or higher** at the beginning of each grading period, and who meet all other requirements of the (OHSAA) standards, shall be fully eligible for participation until interim reports. If the student's average is still at least 2.0 when interims are issued, (4 ½ weeks), the student is eligible for the remainder of the grading period. **Students with less than 2.0** shall be on **weekly probation**. Checks are conducted on the first day of each school week. Any student ineligibilities take effect on games occurring that same week. Students with an average of **less than 2.0 at the beginning** of a grading period shall be on probation until interim reports are issued. If the student has **not reached an average of 2.0** at the time interims are issued, the student is **ineligible for the remainder of the grading period.**

No probationary period is permitted for a student who does not meet the standards of the OHSAA which states that a student must pass the equivalent of 5 credits the preceding 9 weeks to be eligible the following 9 weeks. An ineligible student under this rule shall remain ineligible until the fifth school day after the end of the next grading period.

For any student placed on probation for participation or declared ineligible, tutoring either before or after regular school hours can be arranged, but is not mandated. Students other than athletes may attend tutorial sessions. In the event that a student is not capable of maintaining the required grade point average, a review panel is appointed by the principal to recommend whether or not the student shall be allowed to participate in athletic activities. A recommendation is made to the superintendent for approval.

As per W-E policy, students with an individualized educational plan (IEP), except for students with speech and hearing problems, shall not be declared ineligible. This provision does not waive any state requirements for eligibility.

Remember: A student must pass 5 credits each semester to be eligible for participation.

SCHEDULE CHANGE PROCEDURES

Students and their parent(s)/guardian(s) should carefully consider schedule choices at registration time. Every effort will be made to ensure that students are enrolled in the courses they and their parent(s)/guardian(s) select at the close of the 2013-2014 school year. However, insufficient enrollment can cause the cancellation of specific classes or scheduling conflicts and may require the student to be placed in his/her alternate course requests. A minimum enrollment is required for a course to be scheduled.

Once school begins, schedule changes can only be made for the following reasons:

- **Missing a required subject,**
- **Scheduled for less than 5 credits,**
- **Missing a lunch,**
- **Short credits for eligibility,**
- **Short credits to meet graduation requirements if the student is a senior,**
- **Medical necessity as verified by a physician's statement,**
- **Administrative decisions to balance class size and/or to resolve schedule conflicts and to otherwise meet the needs of individual students under extraordinary circumstances.**

Any questions about schedules should be addressed to the appropriate guidance counselor within the first three weeks of each semester. When a course is dropped for any reason other than those noted above, a grade of "F" will be reported.

Career and Technical Education programs may not be dropped. These state-funded programs are staffed on the basis of student enrollment; enrollment must remain firm to maintain eligibility for state funds. It is understood, therefore, that a student who has applied for and been accepted into a career and technical education program has made a commitment, confirmed by his or her parent(s)/guardian(s), to remain in it for at least one full year.

NATIONAL TESTING PROGRAMS

Participation in the following tests is highly recommended for students considering post high school education:

1. **PLAN TEST** – Grades 9, 10 - Administered in October/November 2014.
2. **PSAT/NMSQT** – Administered to all students in Grades 10 & 11 **AT NO COST TO STUDENTS** - Preliminary Scholastic Aptitude Test / **National Merit Scholarship Qualifying Test (ONLY 11th grade scores considered for this) - October 15, 2014**
4. **ACT** American College Test (Sophomores interested in Ashland University Dual Credit and ALL Juniors should take this test in the spring.)
5. **SAT** Scholastic Aptitude Test (Juniors should take this test in the spring.)

Both the ACT and the SAT may be taken more than once. Seniors who have not taken the tests in their junior year must take the tests in the fall of the senior year.

ACT Test Dates

September 13, 2014
October 25, 2014
December 13, 2014
February 7, 2015
April 18, 2015
June 13, 2015

SAT Test Dates

October 11 or 12, 2014
November 8 or 9, 2014
December 6 or 7, 2014
January 24 or 25, 2015
March 14 or 15, 2015
May 2 or 3, 2015
June 6 or 7, 2015

Registration dates for all tests are published in advance. These are important to note to avoid paying a late fee. Registration may be done online. Fee waivers may be available to students based upon financial need.

SAT Waiver information: <http://sat.collegeboard.org/SAT/public/pdf/counselors-guide-to-sat-program-fee-waivers.pdf>

ACT waiver information: <http://www.actstudent.org/faq/answers/feewaiver.html>

Students who take a minimum of Algebra I, Algebra II and Geometry typically achieve higher ACT Math scores than students who do not. In addition, students who take more advanced math courses substantially increase their ACT Math score.

Students taking Biology and Chemistry in combination with Physics typically achieve higher ACT Science scores than students not taking these science courses.

Required exams for all students enrolled in **Advanced Placement (AP) Courses** are given in **May. A fee is required for ONLY THE 1st AP Course per student per school year, with the district covering the cost of any additional exams per student per school year.** (This means that a student enrolled in 5 AP courses would take 5 exams, yet pay for only 1.) **Fee reductions are available for students with acute financial need.**

Please contact the guidance counselor for more information.

INSTRUCTIONAL OPTIONS

CAREER-TECHNICAL EDUCATION PROGRAM

Career-Technical education programs are programs designed to help prepare students for future careers. These programs meet graduation requirements and develop skills to the extent that a student may qualify for an entry-level position in the business world.

SEE PAGES 39-51 FOR DETAILED DESCRIPTIONS OF CAREER-TECHNICAL PROGRAMS.

EDUCATIONAL OPTIONS

INTRODUCTION

The intent of the Willoughby-Eastlake Schools is to provide each student with a broad, comprehensive education. Students may choose the educational program which best suits their individual needs.

- Our primary goal is to **ensure students have mastered the basic skills**, which will enable them to become life long learners and cope with the challenges of a changing society.
- The second goal is to offer students the opportunity to choose **their own sequence** of studies that will assist them in developing the personal, career, and educational skills necessary for success either in their **chosen vocation or in college**.

Once students can demonstrate mastery of basic skills, other options are available to them such as the High Ability courses, Honors courses, Advanced Placement program, Independent Study, Mentorship, and the PSEO (Post Secondary Educational Option).

High Ability, Honors or AP courses are suggested for students who are recommended by the teachers, have high OAA/OGT scores, and an above-average GPA, however, students may enroll in these courses on a conditional basis if they have met prerequisites. AP Potential Data from the PSAT results is also valuable in identifying student readiness for AP coursework.

HIGH ABILITY COURSES

High Ability courses do not carry a weighted grade.

High Ability offerings include: English I, Integrated Science, Integrated Social Studies, & American History.

HONORS COURSES

Honors courses include: English II Honors, English III (Amer. Lit.) Honors, English IV (Brit. Lit.) Honors, French V Honors, Spanish V Honors, Honors Geometry, Honors Algebra II/Trig., Honors Pre-Calculus, Honors Biology, Honors Chemistry

Grading Scale for Honors Courses:

- A = 4.5 points
- B = 3.5 points
- C = 2.5 points
- D = 1.5 points
- F = 0.0 points

ADVANCED PLACEMENT

Advanced Placement courses offer students the opportunity to complete college-level studies at the high school level. **All students enrolled in an AP course will be required to take the nationally administered AP exam in May.** Students will be assessed a student fee to cover the cost of their first AP course exam per school year, regardless of the number of additional AP courses and exams s/he will take during the school year. This means that a student who enrolls in five (5) AP courses will take five (5) exams, yet pay for only one (1) exam. A limited number of fee reductions that reduce the cost per exam are available to students who are on the Free or Reduced lunch program.

A student who is successful on the AP examination(s) and in the course(s) may enter college with some college credits already completed. Most colleges and universities in Ohio accept only a score of a "3" or above in order to receive college credit. **Check specific college/university for requirements.** An AP Grade Report is sent in early July to each student, school, and, if the student so requested, to his or her college.

AP Potential Data from the PSAT indicates the likelihood of a student obtaining a score of 3 or higher on each AP exam, if he/she completes the related AP course.

The following criteria are used to determine eligibility for AP coursework:

AP Course Eligibility 2014-15

In order to enroll in an AP course, a student **must meet 3 points toward eligibility in any combination of the following ways:**

- AP Potential \geq 80% = 2 points
- AP Potential of 70% = 1.5 points
- AP Potential of 60% = 1 point
- Final End of Year Grade of A or B in Prerequisite Course = 1.5 points
- Final End of Year Grade of C in Prerequisite Course = 1 point
- Prerequisite Teacher Recommendation = .5 point
- Completion of AP Eligibility Contract = 1 point

Advanced Placement courses offered at North and South High Schools include: AP English Language, AP English Literature, AP Calculus AB, AP Calculus BC, AP Statistics, AP Biology, AP Chemistry, AP Physics B, AP European History, AP U.S. History, AP U.S. Government & Politics, and AP Computer Science A. Some Honors and elective courses, such as Psychology, Theory of Economics, Spanish V and French V, may provide the academic readiness for students to take the AP tests.

Grading scale for AP courses:

- A = 5 points
- B = 4 points
- C = 3 points
- D = 2 points
- F = 0 points

INDEPENDENT STUDY

Independent Study projects designed to duplicate courses in the regular program of instruction will not be approved, since it is the intent of the State Minimum Standards that these courses shall supplement, not replace, group instructional processes; however, an exception to this rule may be made when a course needed for graduation is not available to a student and when such an exception is approved by the building principal and the director of secondary education. To enroll in an Independent Study course, the student must obtain the agreement of a teacher to act as advisor. Credit may vary from 0 - 1 credit; no more than ½ credit may be taken each semester, and no more than 1 credit a year. Parent/guardian permission is required. An Independent Study course requires both an application and approval prior to the implementation of course work. **Consult with a guidance counselor for the necessary application forms and further information.**

MENTORSHIP

This program permits a student to study subjects not included in the regular curriculum by obtaining the cooperation of a person in the community who has some special expertise. Such programs are especially helpful to those students interested in various types of apprenticeships and other non-traditional learning experiences. Verification of the proposed mentor's character and expertise is required, as well as parent/guardian permission. No more than one-half credit per year may be earned through mentorship. A mentorship credit requires both an application and approval prior to implementation of course work. See your guidance counselor for the necessary application forms and further information.

POST SECONDARY ENROLLMENT

The Post Secondary Enrollment Options program has been established to permit high school students in grades 9, 10, 11, and 12 to earn college credit and high school graduation credit at the same time. Qualified high school students may experience coursework at the college or university level while still in high school. A student admitted to a course by an institution of higher education will be expected and **required to perform at the same level as the institution's regular students.** College courses should either contribute to or supplement the broad academic preparation offered by Willoughby-Eastlake high schools. Credit for highly specialized content courses can be given, but should not substitute the college preparatory courses. Guidelines and procedures for the awarding of high school graduation credit and/or college credit to high school students enrolled in college courses are:

WHO? Ninth, tenth, eleventh, and twelfth grade students may enroll full or part time for courses for high school and/or college credit. The following conditions must be met:

1. *College must accept the student (i.e. some institutions require Junior or Senior status, etc.)*
2. *GPA of 3.0 or better grade-point average in the subject he/she wishes to study at the postsecondary institution as evidenced by official HS transcript as of January 2014.*
3. *The college must send written notice to the student, parent/guardian, district superintendent, and superintendent of public instruction within ten days of enrollment. Such notice shall include courses and hours of enrollment and the option selected.*
4. **Meets other testing requirements/grade point requirements identified by institution for PSEO and/or per specific course.**

TWO POST SECONDARY ENROLLMENT OPTIONS ARE AVAILABLE:

OPTION A: permits eligible students to receive **only college credit** for courses successfully completed. Option A requires students or parents to pay all costs incurred, including tuition, books, materials, and fees by the student.

OPTION B: permits eligible students to receive both **college credit and high school graduation credit** for successfully completed courses. Option B requires no payment for tuition, books, materials, or fees from the student.

PSEO POTENTIAL BENEFITS

1. Students can take courses not offered in the high school and/or take more advanced courses.
2. Provides opportunities for students to study “in-depth” areas of special interest or need.
3. Allows students to receive both high school and college credit while still in high school.
4. Reduces college costs while earning high school and college credit.
5. Students experience college-level work/life prior to making final decisions for the future.

PSEO POTENTIAL RISKS AND CONSEQUENCES

1. Increases **student responsibility** for learning.
2. May reduce opportunities for participating in high school activities.
3. May increase financial obligations for education:
 - a. Tuition, fees, books, materials under Option A.
 - b. Inability to work an outside job.
4. Possible effect on GPA and class standing (**Traditional PSEO courses offered on the campus of various colleges/universities are not weighted; Dual Credit courses are weighted on a 4.5 scale and AP courses are weighted on a 5.0 scale**).
5. Increases time for travel (student’s responsibility) to and from school, study, etc.
6. Social discomfort. PSEO students will be enrolled in courses with adult students who may range in age from 18-100+.
7. Grade reporting periods for colleges are often quite different from those for high schools. This can cause problems when calculating GPA. **Additionally, there is no communication between the college professor and parents/guardians and/or the high school regarding student attendance and/or academic concerns. This places the responsibility for monitoring progress and regular attendance solely on the student.** This means that a student could be in danger of failing without knowledge of the high school or parent/guardian. **(SEE #8)**
8. Under Option B - **financial obligations become the parent/student’s responsibility** if the student is withdrawn from class after the identified grace period.
9. Vacation days at the home school and the PSEO school may not coincide. PSEO classes may be in session while the home school is on vacation.
10. Presence and safety on a college campus requires maturity, good judgment, and sound problem-solving ability.

School districts will award comparable credit for high school graduation, in terms of quantity and quality, for successfully completed college work. Any disputes between students and local boards of education regarding high school credits granted for college work may be appealed to the State Board of Education whose decision is final. Student records must reflect evidence of successful completion of each course for high school credit to be awarded. The student’s permanent record shall indicate the college and the courses taken for high school credit, and the number of credits to be awarded.

The student shall provide a copy of the college’s notice of grade given for any course taken for high school credit. The grade shall be included in the calculation of the student’s total grade point average, as though the course were being taken in high school. **Traditional PSEO (courses taken on a college/university campus) grades are not weighted. Dual Credit courses will be weighted as Honors level courses.** The rationale for this weight is that these college courses are taught by W-E teachers who are able to inform the syllabus, review materials used, and validate that the rigor and relevance of each course matches that of our existing Honors level courses. A course taken for “pass/fail” shall indicate whether passed or failed, but shall not be considered in calculating the student’s grade point average.

For those students enrolled in the PSEO program under OPTION B, the college will be reimbursed for tuition, fees, materials, and textbooks by the State of Ohio, **not the student**. The college enrolling a student under the PSEO Program will grant college credit for courses successfully completed. Other colleges may or may not grant credit. The decision to grant the credit depends upon the articulation agreements between and among colleges.

Participation in the PSEO Program requires the following:

1. **Attend one (1) of the “*The Changing Face of High School*” programs provided by the district.**
2. **Complete the Post Secondary Enrollment Options “Intent to Participate” and “Information Certification” forms and return to school by March 28, 2014.**

DUAL CREDIT

Dual Credit is an emerging option within the Post-Secondary Enrollment Options. To be eligible, students must meet aforementioned PSEO requirements. This program provides college coursework, offered for **both high school and college credit, by a high school teacher who is an adjunct professor at said college/university, within our district schools**. Dual Credit opportunities enable students **to remain within their home high school and take courses for high school and college credit within the school day, from W-E teachers**. This ensures that students have the opportunity for academic support as needed, that regular student attendance is monitored, and that communication regarding any academic concerns will be relayed to parent(s)/guardian(s) via the high school throughout the semester.

As of the 2014-15 school year, Dual Credit courses will be weighted as Honors level courses. The rationale for this weight is that these college courses are taught by W-E teachers who are able to inform the syllabus, review materials used, and validate that the rigor and relevance of each course matches that of our existing Honors level courses. Please see **“Dual Credit Offerings”** listed on pages 52-54.

CREDIT FLEXIBILITY

Credit Flexibility applies to credit earned through pre-approved coursework, assessments and/or performances that demonstrate proficiency. Credit awarded through this policy will be posted on the student’s transcript and counted as graduation credit in either the related subject area or as an elective.

Credit Flexibility is a program that allows students to earn high school credits in the following ways:

- Completing coursework in the traditional setting
- Testing out or showing mastery of course content
- Pursuing educational options such as online coursework, independent study, internships, service learning, research-based projects, dual credit college – high school programs, distance learning educational travel

Applications for Credit Flexibility options are available within each guidance department and via the district website. For more information, please contact the current (or receiving) HS Guidance Counselor.

COURSE OFFERINGS

ACADEMIC DECATHLON

	Electives
Grades 9 - 12	
	1110 Academic Decathlon

1110 Academic Decathlon

This course is a national competition that requires students to master seven academic subjects (math, literature, music, art, economics, science, and history), as well as to deliver prepared and impromptu speeches, to undergo an interview, and to write an essay connected to their studies. AcaDec's curriculum changes each year and is centered on a theme. All of the academic areas, except math, are related to the thematic focus. The curriculum forces students to study several subjects in-depth and in detail, and will expand reading, writing, math, and public speaking skills. Although, the team consists of three "A" students, three "B" students, and three "C" students, as determined by GPA, the class is open to all interested students in the building. Students who participate in this course earn 1 elective credit. Course meets for 1 period, all year. **Grades 9-12**

BUSINESS COURSES

	Electives
Grade 9	
	5301 Personal Finance I ½
	5302 Personal Finance II ½
	5411 Keyboarding & Document Formatting ½
	5412 Business Communication Info. Technology ½
Grade 10	
	5301 Personal Finance I ½
	5302 Personal Finance II ½
	5411 Keyboarding & Document Formatting ½
	5412 Business Communication Info. Technology ½
	5502 Accounting
	5503 Business Organization ½
	5505 Business Law ½
Grade 11	
	5301 Personal Finance I
	5302 Personal Finance II ½
	5411 Keyboarding & Document Formatting ½
	5412 Business Communication Info. Technology ½
	5502 Accounting
	5503 Business Organization ½
	5505 Business Law ½
Grade 12	
	5301 Personal Finance I ½
	5302 Personal Finance II ½
	5411 Keyboarding & Document Formatting ½
	5412 Business Communication Info. Technology ½
	5502 Accounting
	5503 Business Organization ½
	5505 Business Law ½

SEE DUAL CREDIT on pp. 52-54 for additional Accounting courses available for BOTH high school AND college credit via Lakeland Community College and Ashland University.

5301 Personal Finance I – (1/2 credit) This course focuses on banking, checking, savings, money management, credit cards and budgeting. Students will explore possible careers and how choices made in their everyday lives contribute to their financial situations. It will provide hands-on activity based instruction and involve many guest speakers from the community on course topics.

Grades 9 - 12

5302 Personal Finance II – (1/2 credit) This course places a strong emphasis on consumerism, investing (stocks, bonds, mutual funds etc), planning for long-term financial goals, insurance and risk management. It will provide hands-on activity based instruction and involve many guest speakers from the community on the course topics. **Grades 9 - 12**

5505 Business Law – (1/2 credit) Business Law deals with issues that are essential in forming/running a business, engaging in contracts, buying on credit, preparing a will/trust, employment/labor law, and unions. Students will explore many important social and ethical issues relating to their daily personal and professional lives. **Grades 10 – 12**

5503 Business Organization – (1/2 credit) Business Organization actively involves the student in how to start a business, select and market a product/service, acquire financing, hire a staff and write a successful business plan. The course includes participation with the Junior Achievement Organization and involves members of the business community who will serve as guest speakers. **Grades 10 - 12**

5502 Accounting – (1 credit) This course highlights the fundamental principles and concepts that apply to everyday modern business and finance. It emphasizes the complete accounting cycle for a sole proprietorship and a partnership. The student learns to analyze, journalize and post transactions to automated/computer accounting. It is an excellent preparation for entry-level jobs and personal financial management. This course is highly recommended for students planning to major in business. **Grades 10 – 12**

5411 Keyboarding & Document Formatting – (1/2 credit) Keyboarding is a course in touch typing with emphasis placed on correct technique, speed building and word processing skills. Using Microsoft Word, student will learn how to prepare short and multi-page reports, outlines, and personal business letters in addition to other features of MS Word. **Grades 9 – 12 Fee required.**

5412 Business Communication Information Technology – (1/2 credit) Students will learn to create advanced business documentation using MS work and following MOUS certification criteria as well as develop skills for various business situations. **Grades 9 – 12 Fee required.**

COMPUTER COURSES

Grade 9	
	3900 Computer Science I ½
	3901 Computer Science II ½
	3902 Programming ½
	3904 HTML Web/JavaScript ½
Grade 10	
	3900 Computer Science I ½
	3901 Computer Science II ½
	3902 Programming ½
	3903 Multimedia Communications ½ *
	3904 HTML Web/JavaScript ½
Grade 11/12	
	3900 Computer Science I ½
	3901 Computer Science II ½
	3902 Programming ½
	3903 Multimedia Communications ½ *
	3904 HTML Web/JavaScript ½
	3905 AP Computer Science A 1 credit **

NOTE: One semester, ½ credit in Computer Science is required for graduation. Computer Science I is a prerequisite to enroll in all other computer course offerings.

***Two computer courses are required to enroll in Multimedia.**

**** AP Computer Science A is a full-year, 1 credit course. See description for prerequisites.**

3900 Computer Science I

An introduction to the use of computers, basic programming, and several software applications. **Fee required. Grades 9-12**

3901 Computer Science II

Students will expand computer application skills in word processing, database, spreadsheets, presentations, and internet use. **Fee required. Grades 9-12**

3904 HTML and JavaScript

The student will explore the fundamental concepts and structure of web page and site design using HTML codes and tags. JavaScript will be used to enhance pages. **Fee required. Grades 9-12**

3903 Multimedia

The student will explore the concepts of combining 2 or more forms of media into 1 project. Examples of applications include animation, presentation software, video software and sound-editing software. **Fee required. Grades 10-12**

3902 Programming

The student will learn program design and logic skills. Current programming languages will be used. **Fee required. Grades 9-12**

3905 AP Computer Science A

AP Computer Science A is a year-long college level course intended to serve both as an introductory course for computer science majors-to-be and as a course for students who will major in other disciplines that require significant involvement with technology. **Prerequisites:** Passage of the OGT Math, Algebra II, **and** Computer Science I with an A or B **or** completion of 3902 Programming. Students are **REQUIRED** to take the AP exam after completing this course. **Fee required (for workbook).** Fee for AP Exam (\$89 / \$53 reduced rate) will be assessed **for only 1 Exam per student per school year, regardless of the number of AP Courses/AP Exams a student takes per school year.** (The district will cover fees for additional AP Exams per school year.) **Grades 11-12**

ENGLISH COURSES

	College Prep	Honors/AP	Electives
Gr. 9			
	0301 English I	0310 English I HA 0301 English I	0700 Secondary Reading ½ 0510 Publications ½ (may take more than once)
Gr. 10			
	0401 English II	0421 English II Honors 0401 English II	0500 Speech/ Oral Interpretation ½ 0510 Publications ½ 0511 Drama/Theater ½ (may take more than once) 0700 Secondary Reading ½
Gr. 11			
	0522 English III	0522 English III 0531 English III Honors 0532 AP English Language	0500 Speech/ Oral Interpretation ½ 0510 Publications ½ (may take more than once) 0511 Drama/Theater ½ (may take more than once) 0613 Writing for College I ½ 0614 Writing for College II ½ 0700 Secondary Reading ½ 0800 ACT/SAT Prep ½
Gr. 12			
	0622 English IV	0622 English IV 0631 English IV Honors 0532 AP English Language 0621 AP English Literature	0500 Speech/Oral Interpretation ½ 0510 Publications ½ (may take more than once) 0511 Drama/Theater ½ (may take more than once) 0613 Writing for College I ½ 0614 Writing for College II ½ 0700 Secondary Reading ½ 0800 ACT/SAT Prep ½

SEE DUAL CREDIT on pp. 52-54 for additional English courses available for BOTH high school AND college credit via Lakeland Community College and Ashland University.

All students need 4 credits in English to graduate.

To enroll in Honors or High Ability, a student should have above proficient scores on the OAA/OGT, excellent attendance, and a teacher's recommendation. Similarly, a student should have excellent attendance, potential as indicated via PSAT AP Potential Data, and/or a teacher's recommendation to enroll in AP courses. Some courses may require a writing sample, and/or summer reading. Eligibility matrices provided at scheduling meetings will indicate specific criteria used for recommended placement in some courses.

Summer Reading assignments will be required for all students in grades 9-12. Please check with the high school or visit the school website for more information.

0301, 0310 – English I, English I High Ability

These courses focus upon all language skills with emphasis on appreciation of the five genres of literature: short stories, plays, novels, epics and poetry. In addition, the writing process, reading skills and oral communication are included. (High ability courses are NOT weighted.)

0401, 0421 – English II, English II Honors

These courses focus upon writing as a process-oriented, classroom-centered composition program. These courses continue to focus upon all language skills with an emphasis on the appreciation of the five genres of literature: short stories, plays, novels, poetry and non-fiction. Composition will include the review of the basic paragraph and the development of multi-paragraph pieces. Sentence structure, punctuation, capitalization, spelling and vocabulary building are studied and applied to students' writing. **Fee required.**

0522, 0524, 0531 – English III – American Literature A, Honors

These courses survey literature of the United States from Colonial America to the present. Summer reading is required for Honors English III.

0532 - AP – English Language

The focus of this course is building good interpretive and writing skills by studying the masters. Extensive Summer Reading is required for AP Language and Composition. Students are **REQUIRED** to take the AP exam after completing this course. **Fee required.** Fee for AP Exam (\$89 / \$53 reduced rate) will be assessed **for only 1 Exam per student per school year, regardless of the number of AP Courses/ AP Exams a student takes per school year.** (The district will cover fees for additional AP Exams per school year.)

0622, 0631 - English IV - British Literature Honors

These courses include major literary periods and authors of British Literature.

0621 - AP – English Literature

The focus of this course is on critical analysis and student's written response to works of recognized merit from various genres and periods. Extensive Summer Reading is required for AP Literature and Composition. Students are **REQUIRED** to take the AP exam after completing this course. **Fee required for consumable materials.** Fee for AP Exam (\$89 / \$53 reduced rate) will be assessed **for only 1 Exam per student per school year, regardless of the number of AP Courses/AP Exams a student takes per school year.** (The district will cover fees for additional AP Exams per school year.)

0500 - Speech/Oral Interpretation

Covered in this course are: perspective of public speaking, informative and ceremonial speaking, delivery, language, organization, oral interpretation and debate.

0510 Publications

This is a hands-on practical application course; students will contribute to the school newspaper and yearbook. Students have the opportunity to learn Microsoft Word, Photoshop and In Design CS2 computer programs.

0511 Drama/Theater

This course will provide knowledge of the principles of drama and hands-on experience of all aspects of theatrical productions.

0613 Writing for College I 0614 Writing for College II

Course I will provide practice in focused and well-organized essays. **Writing for College II** will continue the development of good writing techniques and writing across the curriculum. Students will also learn principles of good research and correct citation.

0700 Secondary Reading

This course is for ALL students who have difficulty with reading comprehension.

0800 ACT/SAT Preparation

This computer-centered course prepares juniors and seniors for standardized college entrance exams through test-taking strategies and practice.

FAMILY AND CONSUMER SCIENCES COURSES

	Electives
Grade 9	
	6402 Creative Cook ½
	6502 Food for Fitness ½ (Prerequisite: 6402)
Grade 10	
	6402 Creative Cook ½
	6502 Food for Fitness ½
Grade 11	
	6402 Creative Cook ½
	6502 Food for Fitness ½
	6503 Teen and Adult Roles ½
	6506 Independent Living ½
	6508 Child Development ½
Grade 12	
	6402 Creative Cook ½
	6502 Food for Fitness ½
	6503 Teen and Adult Roles ½
	6506 Independent Living ½
	6508 Child Development ½

A fee is required for all courses.

6402 Creative Cook

Learn the basics of cooking and food preparation techniques. This course offers hands-on experience in meal planning, preparing, serving and storing foods. **Fee required.**

6502 Food for Fitness

Learn the significance of making healthy choices for physical, social and mental health. This course offers hands-on experience in preparing nutritious meals, alternative cooking methods and applying the food guide pyramid. **(Creative Cooking is recommended as a prerequisite.) Fee required**

6503 Teen and Adult Roles

In this course students will learn to evaluate themselves as maturing young adults. They will study relationships from early dating through marriage, and examine trends and issues in the family. Topics covered: values, sexual identity, personality development, problem solving, communication, and healthy and unhealthy relationships. **Fee required.**

6506 Independent Living

Students will learn about consumer education and taking responsibility for personal and financial affairs as an adult. Topics covered: money management, goal setting, decision-making skills, proper use of credit, consumer rights and responsibility, transportation, insurance, and employability skills. **Fee required.**

6508 Child Development

Students will understand the decisions of parenting, conception, pregnancy, prenatal care, and child development. "Baby Think It Over" is a required project for this class. Special topics: child abuse, adoptions, careers, divorce, parenting trends, childcare. **Fee required.**

FINE ARTS COURSES - MUSIC

Grade 9		Grade 11	
	7401 Symphonic Band *		7401 Symphonic Band *
	7403 Wind Symphony *		7403 Wind Symphony *
	7411/7413 Exploring Visual Art/ Music		7411/7413 Exploring Visual Art/ Music
	7412 Mixed Choir *		7412 Mixed Choir *
	7512 Concert Choir *		7512 Concert Choir *
			7503 Music Theory & Harmony**
Grade 10		Grade 12	
	7401 Symphonic Band *		7401 Symphonic Band *
	7403 Wind Symphony *		7403 Wind Symphony *
	7411/7413 Exploring Visual Art/ Music		7411/7413 Exploring Visual Art/ Music
	7412 Mixed Choir *		7412 Mixed Choir *
	7512 Concert Choir *		7512 Concert Choir *
	7503 Music Theory & Harmony**		7503 Music Theory & Harmony **

Audition and permission is required for Wind Symphony, Mixed and Concert Choirs.

***Attendance at all performances is mandatory.**

**** Recommended for students considering a career in music.**

7412 Mixed Choir – Performs annually at the winter and spring concerts. This choir serves as preparation for those who may wish to audition for Concert Choir.

7512 Concert Choir – Open to all high school students by audition only. Course objectives include a more enriching choral experience through the further development of individual skills and exposure to a wider variety of quality choral literature, with performance being the primary goal.

7411 / 7413 Exploring Visual Art / Music (1 credit - 1/2 semester art; ½ semester music)

These courses offer students an understanding and appreciation of the basic principles of art and music in a variety of sensory media. In addition, students may also take other upper level art/music courses.

Fee required.

7503 Music Theory and Harmony – Topics to be discussed include a brief study of western music history, musical notation, major and minor keys, scales, modes, intervals, triads, elementary arranging, and ear training. Students may repeat this course for a more intense study of music theory, form, and composition.

7401 Symphonic Band – Course objectives include musical skill development as an individual and within the ensemble setting while performing moderately advanced to advanced literature.

7403 Wind Symphony - This course is for selected instrumentalists who have demonstrated a high musical skill potential or achievement.

FINE ARTS COURSES - ART

	Electives
Grade 9	
	7405 Art I
	7407 Ceramics I
	7507 Ceramics II (Prerequisite: Ceramics I)
	7411 Exploring Visual Art and Music
Grade 10	
	7405 Art I
	7406 Art II
	7407 Ceramics I ½
	7507 Ceramics II ½ (Prerequisite: Ceramics I)
	7411 Exploring Visual Art and Music
Grade 11	
	7405 Art I
	7406 Art II
	7502 Art III
	7407 Ceramics I ½
	7507 Ceramics II ½ (Prerequisite: Ceramics I)
	7411 Exploring Visual Art and Music
Grade 12	
	7405 Art I
	7406 Art II
	7502 Art III
	7602 Art IV
	7407 Ceramics I ½
	7507 Ceramics II ½ (Prerequisite: Ceramics I)
	7411 Exploring Visual Art and Music

7405 Art I – This is an introductory course to gain an overview of materials, techniques, vocabulary and art concepts. Students are evaluated based on studio projects, limited homework, written assignments, tests and participation in classroom activities. **Fee required.**

7406 Art II – This course is for students who want to further their talents and skills in both two and three-dimensional media. Projects/homework are more demanding and complex than in Art I. Students seeking a career in art should take all four years of art education **Fee required.**

7502, 7602 Art III & IV – These courses are geared for the serious students interested in pursuing an art related career or personally want art to be an integral part of their lives. Portfolio preparation occurs - a requirement for scholarships and college acceptance for art majors. **Fee required.**

7407, 7507 Ceramics I & II – (½ credit courses) These courses are for students with a general interest in visual arts or those preparing for an Art career. Serious art students can work on portfolios for scholarships for college. **Fee required.**

7411 Exploring Visual Art and Music – (1 credit - 1/2 semester art; ½ semester music)
This course offers students an understanding and appreciation of the basic principles of art and music in a variety of sensory media. In addition, students may also take other upper level art/music courses. **Fee required.**

HEALTH AND PHYSICAL EDUCATION COURSES

		Electives
Grade 9		
	8301 Physical Education I ¼	
Grade 10		
	8401 Health ½	
	8402 Physical Education II ¼	
Grade 11/12		
		8502 Physical Education III ¼
		8601 Physical Education IV ¼
		8602 Social Relations ½

As a result of the new Ohio Department of Education PE Evaluation process for high school students, each student must enroll in courses based upon his/her completion of high school-level PE courses, regardless of his/her grade level.

8301 Physical Education I (1st high school credit PE course, ¼ credit)

8402 Physical Education II (2nd high school credit PE course, ¼ credit)

8502 Physical Education III (3rd high school credit PE course, ¼ credit)

8601 Physical Education IV (4th high school credit PE course, ¼ credit)

8602 Social Relations: (Grades 11 and 12, ½ credit)

This course will focus on social issues, healthy life style choices and how these affect personal, family and social relationships. Graduation requirement: a student must have ½ **credit of physical education** and ½ **credit of health education**. Each PE course is worth only ¼ credit; therefore, each student must take 2 semesters of PE.

***Exception:** A student who participates in interscholastic athletics, marching band or cheerleading for at least two full seasons may substitute a different ½ unit credit class in any subject for the physical education unit.

INDUSTRIAL TECHNOLOGY COURSES

Grade 9	
	6406 Wood Technology
	6407 Power Technology
	6408 Drafting Communications
	6410 Indoor Home Repair and Maintenance Construction
	6414 Outdoor Home Repair and Maintenance Construction
Grade 10	
	6406 Wood Technology
	6407 Power Technology
	6408 Drafting Communications
	6410 Indoor Home Repair and Maintenance Construction
	6414 Outdoor Home Repair and Maintenance Construction
	6507 Engineering Communications (Prerequisite: Drafting)
	6510 Architectural Drawing (Prerequisite: Drafting)
Grade 11/12	
	6406 Wood Technology
	6407 Power Technology
	6408 Drafting Communications
	6410 Indoor Home Repair and Maintenance Construction
	6414 Outdoor Home Repair and Maintenance Construction
	6507 Engineering Communications (Prerequisite: Drafting)
	6510 Architectural Drawing (Prerequisite: Drafting)

Note: All classes are worth ½ credit and require a fee.

6406 Wood Technology

Students will use fundamental woodworking skills, hand and power tools. Student will plan and produce projects using proper design and safe work habits. **Fee required.**

6407 Power Technology

Students will learn basic mechanics. Students will rebuild small four-stroke and 2-stroke cycle engines. They will use basic mechanic's and specialty tools in a safe and organized manner. **Fee required.**

6408 Drafting Communications

Students will learn basic drafting skills. Areas covered are single and multi-view drawing, 3-D drawing and surface development. Measurement and dimensioning will require basic math skills. **Fee required.**

6507 Engineering Communications

Prerequisite: Course 6408

This is an advanced course in Drafting and Design. Areas covered are sectioning, fasteners and working drawing, both detail and assembly. Students will also be engaged in model construction. **Fee required.**

6510 Architectural Drawing

Prerequisite: Course 6408

This course will provide students with an opportunity to study the fundamental techniques and practices in architectural drafting and design. They will design and produce a set of house drawings including floor plans, elevations, foundation, and plot plans. Students will also be engaged in model construction. **Fee required.**

6410 Indoor Home Repair and Maintenance Construction

This is a study of indoor home construction, maintenance and repair. Areas covered are drywall, painting, wall-papering, plumbing and electrical work. Students will work with hand and power tools in a safe and organized manner. **Fee required.**

6414 Outdoor Home Repair and Maintenance Construction

This is a study of outdoor home construction, maintenance and repair. Areas covered are framing walls, partitions, floors, roofs, shingling, and insulation. Students will work with hand and power tools in a safe and organized manner. **Fee required.**

MATH COURSES

	College Prep	Honors/AP
Grade 9		
	3093 Algebra I	3091 Honors Geometry
	3094 Integrated Math I	
	3103 Geometry	
Grade 10		
	3093 Algebra I	3101 Honors Algebra II/Trig **
	3103 Geometry	3091 Honors Geometry
	3104 Integrated Math II	
	3113 Algebra II	
Grade 11/12		
	3093 Algebra I	3101 Honors Algebra II/Trig **
	3103 Geometry	3111 Honors Pre-Calculus **
	3117 Integrated Math III*	3121 AP Calculus AB **
	3113 Algebra II **	3125 AP Statistics **
	3124 Intermediate Algebra*	3126 AP Calculus BC**
	3123 Pre-Calculus**	
	3122 Intro. To College Math	

SEE DUAL CREDIT on pp. 52-54 for additional Math courses available for BOTH high school AND college credit via Lakeland Community College and Ashland University.

The Core Requirement mandates that all students take Algebra II (or its equivalent). All students will be required to take 4 years of math. Eligibility matrices provided at scheduling meetings will indicate specific criteria used for recommended placement in some courses.

*This course meets Ohio Department of Education criteria for “Algebra II Equivalency”.

**A graphing calculator required for this course: TI-83 Plus will be used by instructor.

Calculator SC-121 is the only one that may be used on the Math and Science OGT test.

3093 Algebra 1 (1 credit)

This course examines the basic structure of real numbers, algebraic expressions, and functions. The topics studied are linear equations, inequalities, functions and systems, quadratic equations and functions, polynomial expressions, data analysis, probability, and the elementary properties of functions. Mathematical modeling of real-life problems and problem solving are major themes of the course.

3094 Integrated Math 1 (1 credit)

This course examines the basic structure of real numbers, algebraic expressions, and functions. The topics studied are linear equations, inequalities, functions and systems, quadratic equations and functions, polynomial expressions, data analysis, probability, and the elementary properties of functions. Mathematical modeling of real-life problems and problem solving are major themes of the course. The difference between this course and Algebra 1 is the depth the lessons take into the topics.

3091 Honors Geometry (1 credit)

Geometry is the study of mathematics as a mathematical system through the deductive development of relationships in the plane and space developed intuitively in previous years. Students study congruent segments and angles, circle chords, secants and tangent segments, parallel and perpendicular lines, angle measure in triangles, direct and indirect triangle congruence and similarity, proofs, solids of revolution, logic, similar triangles, transformations, the Pythagorean Theorem, coordinate geometry, and surface area and volume of solids. In comparison to Geometry, this course provides increased depth of the study and the development of a project each quarter.

3103 Geometry (1 credit)

Geometry is the study of mathematics as a mathematical system through the deductive development of relationships in the plane and space developed intuitively in previous years. Students study congruent segments and angles, circle chords, secants and tangent segments, parallel and perpendicular lines, angle measure in triangles, direct and indirect triangle congruence and similarity, proofs, solids of revolution, logic, similar triangles, transformations, the Pythagorean Theorem, coordinate geometry, and surface area and volume of solids.

3104 Integrated Math II (1 credit)

This course bridges the algebra and geometric gaps not yet mastered for the OGT. This course will teach test taking strategies, the basics of geometric shape discovery, and show the application of algebra and geometric concepts constructed in short answer and extended response questions. The 4th quarter is dedicated to teaching geometric concepts that will help the students visualize 2 and 3-dimensional figures represented on an x-y axis.

3101 Honors Algebra II w/Trigonometry (1 credit)

Algebra II is the study of the complex number system, symbolic manipulation, and functions. Students discuss, represent, and solve increasingly sophisticated real-world problems using advanced algebraic and data analysis techniques incorporating technology. They also study the properties of functions, the algebra of functions, matrices, and systems of equations. Linear, quadratic, exponential, logarithmic, polynomial, and rational functions are studied with an emphasis on making connections to other disciplines and as preparation for a multitude of careers. Students apply advanced data analysis techniques to find, justify and use the best-fit model from all function models. Communication of the problem-solving skills used is an important part of this course. In comparison to Algebra II, this course introduces and uses trigonometric ideas, provides an increased depth study, and embeds the development of a project each quarter.

3113 Algebra II (1 credit)

Algebra II is the study of the complex number system, symbolic manipulation, and functions. Students discuss, represent, and solve increasingly sophisticated real-world problems using advanced algebraic and data analysis techniques incorporating technology. They also study the properties of functions, the algebra of functions, matrices, and systems of equations. Linear, quadratic, exponential, logarithmic, polynomial, and rational functions are studied with an emphasis on making connections to other disciplines and as preparation for a multitude of careers. Students apply advanced data analysis techniques to find, justify and use the best-fit model from all function models. Communication of the problem-solving skills used is an important part of this course.

3117 Integrated Math III (1 credit)

Students discuss, represent, and solve increasingly sophisticated real-world problems using advanced algebraic and data analysis techniques. The properties of functions, the algebra of functions, matrices, and systems of equations are also studied. Linear, quadratic, exponential, logarithmic, polynomial, and rational functions are studied with an emphasis on making connections to other disciplines and as preparation for a multitude of careers. Communication of the problem-solving skills used is an important part of this course. The difference between this course and Algebra II is the depth the lessons take into the topics.

3111 Honors Pre-Calculus (1 credit)

In pre-calculus, students are introduced to a variety of applications that establish the importance of mathematics in everyday life. During the course of the year students reinforce skills learned in Algebra II, expound upon the intricacies of trigonometry, and develop the idea of limits and derivatives. Course depth, the quarterly projects assigned, and development of calculus concepts contribute to the added rigor of this course.

3123 Pre-Calculus (1 credit)

In pre-calculus, students are introduced to a variety of applications that establish the importance of mathematics in everyday life. During the course of the year students reinforce skills learned in Algebra II and expand upon them. They will utilize trigonometric properties and apply them to real world examples. Students will then be introduced to limits and derivatives. Throughout the year students will explore and study polynomial functions, trigonometry, polar graphs, and applications of calculus concepts.

3124 Financial/Intermediate Algebra (1 credit)

This course investigates and solves relations of functions numerically, analytically, and graphically. Topics include solutions of polynomial, exponential systems of linear and non-linear equations; matrix solutions; sequences and series; and mathematical modeling. Students will learn algebra with financial applications. This 4th year math course prepares students for college programs and/or technical/trade school programs.

3122 Introduction to College Math (1 credit)

Introduction to College Math is a ½-year statistics and ½-year calculus class. Statistics is taught in the 1st semester. The student will be introduced to various graphical displays of both univariate and bivariate data. They will explore normal distributions and touch upon binomial and geometric distributions. They will develop skills to accurately gather data through randomization, while eliminating bias. Statistics will end with the development of the confidence interval and one variable hypothesis testing. In Calculus, the students will develop and work through limit ideas, both algebraically and graphically. They will discover the various uses/applications of the derivative, setting the groundwork for the algebraic and graphical ideas of integrals.

3121 AP Calculus AB (1 credit)

Prerequisite: Mastery of Pre-calculus and teacher approval

This is an introduction to differential and integral calculus topics which are equivalent to a college level Calculus 1 course. The course uses advanced skills in Algebra, Geometry, and Trigonometry to analyze real world problems involving movement and variable rates of change. Graphing calculator investigations are an integral part of the course and the AP exam. University credit can be earned with a successful performance on the AP exam. Students are **REQUIRED** to take the AP exam after completing this course. **Fee required for consumable materials.** Fee for AP Exam (\$89 / \$53 reduced rate) will be assessed **for only 1 Exam per student per school year, regardless of the number of AP Courses/AP Exams a student takes per school year.** (The district will cover fees for additional AP Exams per school year.)

3126 AP Calculus BC (1 credit)

Prerequisite: Mastery of Pre-calculus and teacher approval

This course teaches the extension of the differential and integral calculus topics of Calculus AB, which is the equivalent to two semesters of college level Calculus 1 and 2 courses. The course uses advanced skills in algebra, geometry, and trigonometry to analyze real world problems involving movement and variable rates of change. This course focuses on the application of calculus using vectors, parametric/polar modeling, and power series. Graphing calculator investigations are an integral part of the course and the AP exam. University credit can be earned with a successful performance on the AP exam. Students are **REQUIRED** to take the AP exam after completing this course. **Fee required for consumable materials.** Fee for AP Exam (\$89 / \$53 reduced rate) will be assessed **for only 1 Exam per student per school year, regardless of the number of AP Courses/AP Exams a student takes per school year.** (The district will cover fees for additional AP Exams per school year.)

3125 AP Statistics (1 credit)

Prerequisite: Mastery of Geometry and Algebra 2 and teacher approval

An introductory, non-calculus based college level course which introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data, including exploring data, statistical inference, planning a study, and using probability and simulation to anticipate patterns. Graphing calculators with statistical capabilities are an integral part of the course and of the AP exam. Students are **REQUIRED** to take the AP exam after completing this course. **Fee required for consumable materials.** Fee for AP Exam (\$89 / \$53 reduced rate) will be assessed **for only 1 Exam per student per**

school year, regardless of the number of AP Courses/AP Exams a student takes per school year.
 (The district will cover fees for additional AP Exams per school year.)

SCIENCE COURSES

	College Prep	Honors/AP
Grade 9		
	2302 Integrated Science	2303 Integrated Science HA 2401 Honors Biology (Only with special recommendation and Alg. I)
Grade 10		
	2403 General Biology 2507 General Chemistry (Alg. I)	2401 Honors Biology (Alg. I) 2500 Honors Chemistry (Alg. II/Trig) 2621 AP Biology (Recommendation and Biology or Honors Biology)
Grade 11		
	2422 Environmental Issues 2507 General Chemistry (Alg I) 2602 Physics (Alg. II + Geometry) 2642 Forensic Science 2643 Astronomy	2507 General Chemistry (Alg. I) 2500 Hon. Chemistry (Alg. II/Trig) 2621 AP Biology (Recommend. + Bio/Honors) 2631 AP Chemistry (Alg. II/Trig + Chemistry/Honors) 2641 AP Physics B (Alg. II/Trig)
Grade 12		
1 st Sem. 2 nd Sem.	2555 Interven. Science OGT ¼* 2556 Interven. Science OGT ¼* 2422 Environmental Issues 2507 General Chemistry (Alg.I) 2602 Physics (Alg. II + Geometry) 2642 Forensic Science 2643 Astronomy	2500 Hon. Chemistry (Alg.II/Trig) 2602 Physics (Alg. II + Geometry) 2621 AP Biology (Recommend. + Bio/ Honors) 2631 AP Chemistry (Alg. II/Trig +Chemistry/Honors) 2641 AP Physics B (Alg. II/Trig)

Notes in parentheses indicate a required prerequisite. All lab courses require 2 periods. Non-lab courses are one period: Integrated Science 9, HA; General Biology, Environmental Issues. **To graduate, three credits are needed: a physical science, biology, and one additional advanced science course (refer to page 2).**

Fees apply to all courses. Eligibility matrices provided at scheduling meetings will indicate specific criteria used for recommended placement in some courses.

***Intervention Science OGT ¼ credit courses are counted as electives and not as part of the Core Science Graduation Requirements.**

2302 Integrated Science

1 Credit

This course involves the study of energy, motion, waves, light, sound, electricity, magnetism, energy resources, nature of matter, and historical contributions of scientists. **Fee required.**

2303 Integrated Science HA**1 Credit**

This course involves the study of energy, motion, waves, light, sound, electricity, magnetism, energy resources, nature of matter, interactions of matter, and historical contributions of scientists. The student's grades must exhibit a strong math and science competency.

Requirements: See Eligibility Matrix for guidance. **Fee required.**

2401 Honors Biology**1 Credit**

This one-year course meets 7-8 periods a week (double period lab class). This course is for a student who has demonstrated a strong interest in science and has received a recommendation from the previous year's science teacher. The course approaches the study of life sciences from the standpoint of molecules and is lab and research-oriented. The major units within this course include: ecology, biochemistry, energy transformation, cell structure, cell function, genetics, and anatomy.

Requirements: See Eligibility Matrix for guidance. **Fee required.**

2403 General Biology**1 Credit**

This course is designed for the regular or college-bound student to obtain an understanding of the living world that surrounds us. The major units within this course include: ecology, biochemistry, energy transformation, cell structure, cell function, genetics, and anatomy.

Requirements: Completion of Science 9. **Fee required.**

2421 Environmental Science**1 Credit**

This course is designed to study the interactions between humans and the Earth. This includes studying environmental impacts of humans, environmental processes, the Green revolution, environmental problems, diversity, matter and energy, and technology. Students will get various applications of environmental science through discussion, demonstration, and experimentation.

Requirements: Science teacher recommendation, completion of Science 9, Biology, and Chemistry, Passing Score on the OGT. **Fee required.**

2422 Environmental Issues**1 Credit**

This course is designed to study the interactions between humans and the Earth, including the study of environmental impact of humans, environmental processes & problems, and the Green revolution.

Requirements: Completion of Science 9 and Biology. **Fee required.**

2500 Honors Chemistry**1 Credit**

This one-year course meets seven to eight periods a week (double period lab class). The course approaches atomic structure, quantum mechanics, molecular geometry, chemical energy, and chemical equilibrium through analysis and interpretation of experimental evidence.

Requirements: Completion of Science 9 and Biology, Science teacher recommendation, enrollment in Algebra II, Passing Score on the OGT. **Fee required.**

2507 General Chemistry**1 Credit**

This 1-year course meets 7-8 periods a week (double period lab class). This course is for a student who has succeeded in physical science and biology. The course of study includes: atomic structure, quantum mechanics, molecular geometry, chemical energy, and chemical equilibrium. The course includes a basic analysis and interpretation of experimental evidence.

Requirements: Completion of Science 9, Biology, Algebra I, Passage of OGT- Science. **Fee required.**

2602 Physics**1 Credit**

This 1-year course meets 7-8 periods a week (double period lab class). This course is for a student who has succeeded in physical science, and biology. It covers the relationship between matter and energy which includes mechanics, light and optics, fluids, electricity and magnetism.

Requirements: Completion of Science 9, Biology, and Chemistry, enrollment in Algebra II, Passage of OGT - Science. **Fee required.**

2621 A.P. Biology**1 Credit**

This 1-year course meets seven to eight periods a week (double period lab class). This course is for a student who has succeeded in first year biology. This course develops specialized content to extend connections, depth, and detail of biology, including concepts in anatomy, physiology, energy transfer,

ecology, behavior, evolution, genetics, cell biology, biotechnology, diversity, growth, and human biology. It is equivalent to a first year college course and college credit may be earned.

Requirements: Science teacher recommendation, Application Process, Completion of Honors or General Biology. Students are **REQUIRED** to take the AP exam after completing this course. **Fee required for consumable materials.** Fee for AP Exam (\$89 / \$53 reduced rate) will be assessed **for only 1 Exam per student per school year, regardless of the number of AP Courses/AP Exams a student takes per school year.** (The district will cover fees for additional AP Exams per school year.)

2631 A.P. Chemistry

1 Credit

This 1-year course meets 7-8 periods a week (double period lab class).

Prerequisite: Successful grades in 1st-year chemistry. The course develops specialized content to extend connections, depth, and detail of chemistry, including: concepts in inorganic, organic, analytical, physical and biochemistry. It is a first year college course and college credit may be earned.

Requirements: Application Process, Completion of Science 9, Biology, Chemistry, Algebra II, Passage of OGT - Science. **Fee required for consumable materials.** Fee for AP Exam (\$89 / \$53 reduced rate) will be assessed **for only 1 Exam per student per school year, regardless of the number of AP Courses/AP Exams a student takes per school year.** (The district will cover fees for additional AP Exams per school year.)

2631 A.P. Physics B

1 Credit

This 1-year course meets seven to eight periods a week (double period lab class). This course is for a student who has succeeded in physical science, and biology. This course develops specialized content to extend connections, depth, and detail of physics, including concepts in mechanics, electricity, magnetism, thermodynamics, waves, optics, atomic and nuclear physics, radioactivity, relativity, and quantum mechanics. It is a first year college course and college credit may be earned.

Requirements: Application Process, Completion of Science 9, Biology, Algebra II, Passage of OGT - Science. Students are **REQUIRED** to take the AP exam after completing this course. **Fee required for consumable materials.** Fee for AP Exam (\$89 / \$53 reduced rate) will be assessed **for only 1 Exam per student per school year, regardless of the number of AP Courses/AP Exams a student takes per school year.** (The district will cover fees for additional AP Exams per school year.)

2642 Forensic Science .5 Credit

This advanced level (beyond OGT content) course introduces students to forensic science. It is an inquiry-based course that uses many disciplines to analyze physical and biological evidence found at crime scenes. Units of study include: fingerprints, hair, fibers, drug & chemical analysis, trace evidence, blood, DNA, human remains, soil, and document/handwriting analysis.

Requirements: Passage of OGT - Science. **11th or 12th grade ONLY. Fee required.**

2643 Astronomy

.5 Credit

This advanced level (beyond OGT content) course provides an in-depth study of our solar system, stars and constellations, the structure of the universe, and the dynamic nature of the cosmos.

Requirements: Students must have passed OGT-Science. **11th or 12th grade ONLY. Fee required.**

2555 (1st Quarter) Intervention Science OGT (Senior) .25 Credit

2556 (3rd Quarter)

.25 Credit

These elective courses are for the senior who needs intensive help in passing the science portion of the OGT. These courses do not count toward the Core Science Graduation Requirements.

Fee required.

SOCIAL STUDIES COURSES

	College Prep	Honors/AP	Electives
Grade 9			
	1305 Integrated Social Studies 9	1310 Integrated Social Studies HA	
Grade 10			
	1402 Amer. History	1403 American History HA	1401 Global History
		1621 AP American History	1502 Sociology ½
			1503 Psychology ½
			1727 Theory of Econ I ½
			1728 Theory of Econ II ½
Grade 11			
	1506 American Government	1621 AP American History	1401 Global History
		1623 AP U.S. Government	1502 Sociology ½
			1503 Psychology ½
			1626 AP European History
			1727 Theory of Econ I ½
			1728 Theory of Econ II ½
Grade 12			
	1506 American Government	1621 AP U.S. History	1401 Global History
		1623 AP U.S. Government & Politics	1502 Sociology ½
			1503 Psychology ½
			1626 AP European History
			1624 Senior Seminar ½ Post WWII Era
			1625 Senior Seminar ½ The Modern Era
			1727 Theory of Econ I ½
			1728 Theory of Econ II ½
			1555/1556 Social Studies Intervention ½*

SEE DUAL CREDIT on pp. 52-54 for additional Political Science/History/Government courses available for BOTH high school AND college credit via Lakeland Community College and Ashland University.

All courses are 1 credit, unless marked otherwise. To graduate, the state requires all students to pass three credits of Social Studies, which must include American History or AP U.S. History, American Government or AP US Government & Politics.

*Intervention Social Studies OGT ½ credit courses are counted as electives and not as part of the Core Social Studies Graduation Requirements.

1305 Integrated Social Studies 9, 1310 Integrated Social Studies 9 High Ability

The Integrated Social Studies 9 curriculum covers three main themes as they relate to the citizenship competencies of the Ohio Graduation Test: U.S. Civics/Government, Economics, and Western and non-

Western World Civilizations and their impact on the United States. Students will acquire skills in analyzing information, identifying and explaining cause and effect relationships, differentiating between and among governmental systems, and reading charts and graphs. Current events will be discussed as they relate to topics being studied. **Fee required.**

1402 American History, 1403 American History High Ability

The course surveys the basic historical development of the United States from Reconstruction to the present. Through an emphasis on the social, political, and economic developments of the United States, students will be presented with their nation's past in order to understand the major forces that enabled the nation to reach its present condition. This course is **required of all 10th graders**, prepares them for the OGT, and fulfills the American History Graduation requirement. **As per ODE requirements, students will be expected to take an End of Course Exam which will be a part of the final course grade.**

1401 Global History

This Social Studies elective covers the history of humanity from Prehistoric times to the present, centering on important background information for every American. The major emphasis is upon the history of Western Civilization; however, the course does cover and compare all major world cultures. **Grades 10-12**

1506 American Government 11

This course, with its constitutional emphasis, covers the study of the role of individuals/groups in a democratic society and market economy. The course will also discuss federalism, separation of powers, due process of law, pressure groups, political parties, the voting public, political leaders, and citizen responsibility. This course fulfills the Government Graduation requirement. **As per ODE requirements, students will be expected to take an End of Course Exam which will be a part of the final course grade.**

1502 Sociology

This one-semester, ½ credit Social Studies elective is designed to survey the science of society by examining the structure, relationship, roles and function of groups. Students will study the history and content of culture, including the major institutions of society: family, religion, and education, the process of socialization, and social classes and stratification in society. Social problems in contemporary America are researched and discussed. **Grades 10-12**

1503 Psychology

This one-semester, ½ credit Social Studies elective is a survey course which includes study in the following areas: psychology as a science, learning and understanding human behavior, patterns of behavior (including motivated and emotional behavior) and mental health and human interaction, attitudes and social influence. **Grades 10-12**

1621 AP U.S. History

This AP course will cover the span of American History from colonization through the present. The College Board curriculum will be followed. **Grades 10-12** As per ODE requirements, students will be expected to take an End of Course Exam which will be a part of the final course grade and students are **REQUIRED to take the AP exam after completing this course. Fee for AP Exam (\$89 / \$53 reduced rate) will be assessed for only 1 Exam per student per school year, regardless of the number of AP Courses/AP Exams a student takes per school year.** (The district will cover fees for additional AP Exams per school year.)

1623 AP U.S. Government and Politics

This course is designed to enable students to develop a critical perspective of government and politics in the United States. The nature of the American political system, its development over the past two centuries, and how it works today, is examined. The College Board curriculum will be followed.

Passage of the OGT is required for this course. Grades 11-12 As per ODE requirements, students will be expected to take an End of Course Exam which will be a part of the final course grade and are **REQUIRED to take the AP exam after completing this course. Fee required for consumable materials. Fee required for consumable materials.** Fee for AP Exam (\$89 / \$53 reduced rate) will be assessed **for only 1 Exam per student per school year, regardless of the**

number of AP Courses/AP Exams a student takes per school year. (The district will cover fees for additional AP Exams per school year.)

1622 European History

This Social Studies elective course provides a college-level study of European history from 1300 to present day. It is designed to help accelerated students, who have already fulfilled their social studies graduation requirements, to understand the history of Europe, its people, cultures, economics, politics, and institutional structures. Students may choose to take the AP European History exam after completing this course. **Passage of the OGT is required for this course. Consider 1626 AP European History which best-prepares student for the AP exam and provides a weighted grade. Grades 11-12**

1624 Senior Seminar I Post World War II Era 1625 Senior Seminar II The Modern Era

These courses will offer seniors a study and interpretation of major events which shaped political thought using primary sources as a text. **Students must have passed the OGT. Grade 12**

1626 AP European History

The study of European history since 1450 introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. This knowledge provides the context for understanding the development of contemporary institutions, the role of continuity and change in present-day society and politics, and the evolution of current forms of artistic expression and intellectual discourse. In addition to providing a basic narrative of events and movements, the goals of the AP program in European History are to develop (a) an understanding of some of the principal themes in modern European History, (b) an ability to analyze historical evidence and historical interpretation, and (c) an ability to express historical understanding in writing. This course uses the primary text used in the 1622 European History course, in addition to other supplemental resources, and moves at a comparatively faster pace that is reflective of a college course. Students are **REQUIRED** to take the AP European History exam after completing this course. **Passage of the OGT is required for this course. Grades 11-12 Fee for AP Exam (\$89 / \$53 reduced rate) will be assessed for only 1 Exam per student per school year, regardless of the number of AP Courses/AP Exams a student takes per school year.** (The district will cover fees for additional AP Exams per school year.)

1727 Theory of Economics I

These courses will be theory based. Students will understand economic graphs, ratios, and laws from a microeconomic and macroeconomic perspective.

1728 Theory of Economics II

WORLD (FOREIGN) LANGUAGE COURSES

	College Prep
Grade 9	
	4301 French I
	4401 French II
	4304 Spanish I
	4404 Spanish II
	4302 German I
	4801 Chinese I
Grade 10	
	4301 French I
	4401 French II
	4501 French III
	4304 Spanish I
	4404 Spanish II
	4504 Spanish III
	4302 German I
	4402 German II
	4801 Chinese I
	4802 Chinese II
Grade 11	
	4301 French I
	4401 French II
	4501 French III
	4601 French IV
	4304 Spanish I
	4404 Spanish II
	4504 Spanish III
	4604 Spanish IV
	4302 German I
	4402 German II
	4502 German III
	4801 Chinese I
	4802 Chinese II
Grade 12	
	4301 French I
	4401 French II
	4501 French III
	4601 French IV
	4701 French V Honors
	4304 Spanish I
	4404 Spanish II
	4504 Spanish III
	4604 Spanish IV
	4704 Spanish V Honors
	4302 German I

	4402 German II
	4502 German III
	4602 German IV

The W-E Schools offer French, Spanish, German, and Chinese. We endorse a multi-faceted approach which includes fluency in communication, grammatically correct written expression, fluency in reading in the target language, and exposure to cultural and historical aspects of the language and its people. Textbooks, periodicals, videos and discs are used. World (Foreign) Language is not required for graduation, but it is recommended for college-bound students. Please note that the World (Foreign) Language department strongly recommends a minimum final grade of C to advance to the next level.

4301/4302/4304/4801 - French I/ German I/ Spanish I/Chinese I (Grades 9-12, 1 credit)

These courses are an introduction to communicating in a world (foreign) language by means of building basic vocabulary and developing skills of listening, speaking, reading and writing. Classes include an introduction to culture in the various countries where the languages are spoken. **(Fee required for Spanish I, French I.)**

4401/4402/4404/4802 - French II/ German II/ Spanish II/Chinese II (Grades 9-12, 1 credit)

Vocabulary is expanded and skills in conversation, grammar, reading, writing and listening are further developed. Historical and cultural information about target countries continues. **(Fee required for Spanish II, French II.)**

4501/4502/4504 - French III/ German III/ Spanish III (Grades 10-12, 1 credit)

These courses include further development of vocabulary and more complex grammar. Higher speaking and listening skills develop through literature, newspaper/magazine/internet articles, presentations and debates. **(Fee required.)**

4601/4602/4604 - French IV/ German IV/ Spanish IV (Grades 11-12, 1 credit)

These courses provide an advanced study and usage of the language with the goal of providing a solid basis for application at the university level and /or the ability to waiver some or all of the world (foreign) language requirements. Students will be exposed to practice CBAT and/or AP exams. Students will be involved in many projects and oral presentations to perfect their language usage and to encourage their ability to self-express in creative, thoughtful and meaningful ways. **(Fee required for French IV and German IV.)**

4701/4704 - French V Honors/ Spanish V Honors (1 credit)

Honors will follow the CollegeBoard guidelines for an AP-level course. Written and oral proficiency will be the main objective gained from:

1. Formal/informal speech excerpts from several target language speaking countries;
2. Vocabulary, idiomatic expressions, syntactical definition from media, newspapers, and the internet;
3. Composition of expository paragraphs and essays;
4. Verbal expression emphasizing fluency and comprehension.

CAREER-TECHNICAL EDUCATION PROGRAMS

Ohio College Tech Prep programs are shared resources among the Euclid, Mentor, Wickliffe and Willoughby-Eastlake School districts. Together, these districts comprise the Lake Shore Compact. The goal of a **college tech prep program** is to provide a seamless curriculum pathway beginning in the junior year and continuing through a two-year associate degree program. Tech Prep blends college prep and technical education into an exciting program with two primary goals – to help students to prepare for high-tech careers and to help employers obtain better-prepared workers. Through cooperation and agreements with four-year universities, students also have the option of continuing their education toward a bachelor's degree.

Some Compact programs require students to travel to neighboring districts or Lakeland Community College and spend a portion of the day, or in some cases, the entire day at the program site. If the student spends a partial day attending the program, students will return to their home school for academic subjects. If students spend the whole day at the program site, students will remain at the program school for academic subjects. When considering Ohio Tech Prep options, it is important to know that:

- Transportation is provided
- Students graduate from their home high school
- Students can participate in home high school extra-curricular activities
- Most programs are two-years, beginning in the junior year
- An application process is required
- Articulation and college credit may be available to successful completers

Registration begins in February of the year prior to program enrollment. Interested students and their parents should complete a career-technical application which may be obtained from the Guidance Office. The completed applications with parent signatures should be returned to the Guidance Office for processing. Students will be notified of their acceptance.

Once enrolled in a two-year tech prep program, **the junior will be expected to remain in that program for the two years.** Students will receive 3 credits per year for their programs.

Fee and equipment charges are required for all tech prep programs. Students will be given a list of these charges by their instructors at the beginning of the course. The Lake Shore Compact offers the following college **tech prep** programs:

OHIO COLLEGE TECH PREP PROGRAMS

Career-Technical Programs	Location
Allied Health Junior	Career Academy - Eastlake
Allied Health Senior	Career Academy - Eastlake
9512 Auto Collision Junior	Career Academy - Willoughby
9612 Auto Collision Senior	Career Academy - Willoughby
9429 Auto Services I	Career Academy - Willoughby
9429 Auto Services II	Career Academy - Willoughby
9514 Auto Service Technology Junior	Euclid High School
9614 Auto Service Technology Senior	Euclid High School
Business Administration Management Junior	Mentor High School
Business Administration Management Senior	Mentor High School
9710 CAD Engineering Technology Junior	Lakeland
9715 CAD Engineering Technology Senior	Lakeland
9511 CISCO Networking Technology Junior	Euclid High School
9611 CISCO Networking Technology Senior	Euclid High School
9409 Business Technology I	Career Academy - Willoughby
9409 Business Technology II	Career Academy - Willoughby
CNC Manufacturing Technology Junior	Lakeland
CNC Manufacturing Technology Senior	Lakeland
9510 Computer Information Systems Junior	Lakeland & Euclid High School
9610 Computer Information Systems Senior	Lakeland & Euclid High School
9811 Construction Management Junior	Lakeland
9812 Construction Management Senior	Lakeland
9518 Cosmetology Junior	Brush High School
9618 Cosmetology Senior	Brush High School
Cosmetology Junior	Career Academy - Willoughby
Cosmetology Senior	Career Academy - Willoughby
9563 Crime Scene Technology Junior	Euclid High School
9663 Crime Scene Technology Senior	Euclid High School
9562 Criminal Justice Junior	Euclid High School
9692 Criminal Justice Senior	Euclid High School
9545 Culinary Arts Junior	Euclid Shore Cultural Center
9645 Culinary Arts Senior	Euclid Shore Cultural Center
9540 Early Childhood Education Junior	Mentor High School
9672 Early Childhood Education Senior	Mentor High School
Early Childhood Education Junior	Career Academy - Eastlake
Early Childhood Education Senior	Career Academy - Eastlake
Health Information Management (Health Informatics) Jr	Career Academy - Willoughby
Health Information Management (Health Informatics) Sr	Career Academy - Willoughby
6409 Hospitality I	Career Academy - Willoughby
6409 Hospitality II	Career Academy - Willoughby
9711 Information Technology Services Junior	Lakeland
9713 Information Technology Services Senior	Lakeland
9516 Interactive Media Junior	Mentor High School
9516 Interactive Media Senior	Mentor High School
9631 Licensed Practical Nursing Junior	Career Academy - Eastlake
Licensed Practical Nursing Senior	Career Academy - Eastlake
9520 Marketing Education Junior	Mentor High School
9620 Marketing Education Senior	Mentor High School
9632 Medical Assisting Junior	Career Academy - Eastlake

Medical Assisting Senior	Career Academy - Eastlake
9449 Production Welding I	North High School
9449 Production Welding II	North High School
9595 Visual Communications Junior	Euclid High School
9695 Visual Communications Senior	Euclid High School
9439 Home and Career Skills	Career Academy - Willoughby
9439 Job Training Program	Career Academy - Willoughby
9527 Welding Junior	Career Academy - Willoughby
9627 Welding Senior	Career Academy - Willoughby

ALLIED HEALTH

Allied Health Junior

Allied Health Senior

LOCATION: WILLOUGHBY-EASTLAKE CAREER ACADEMY, EASTLAKE

3 credits per year

This program is designed to provide the basic health-care skills necessary for an entry-level position in health care. Skills include CPR, STNA training (State Tested Nursing Assistant), pharmacology, and health career awareness. Students will learn to assist patients with daily living and fundamental tasks, assist in a pharmacy setting, and prepare sterile environments.

Career opportunities for students completing the Allied Health Program may include STNA, pharmacy tech, or home health aide.

AUTO COLLISION

9512 Auto Collision Junior

9612 Auto Collision Senior

LOCATION: WILLOUGHBY-EASTLAKE CAREER ACADEMY, WILLOUGHBY

3 credits per year

The Auto Collision program is designed to teach students the complete cycle of repairing automobiles and other vehicles damaged from normal "wear and tear" or from accidents and collisions. The knowledge and skills covered include shop safety, use of hand and power tools, rust repair, sheet metal repair, body panel replacement, fiberglass repair, unibody and frame repair, custom fabrication, custom painting, MIG welding, detailing and customer service. ASE and NATEF certifications are available for qualified students.

Job opportunities for those completing this program include: body repair shops, auto dealerships, wholesale or retail parts and paint sales, frame shops, front end shops, custom shops, auto recycler, shop foreperson and major claims insurance adjuster. The Ohio Technical College offers advance placement in Auto Collision repair and Refinishing Technologies. College credit is also available through Cuyahoga Community College. In addition to classroom training, senior-level students who meet the established requirements may be permitted to work at an Auto Collision related job during the second semester of their senior year.

AUTO SERVICES

9429-50 Auto Services Level I

9429-51 Auto Services Level II

LOCATION: WILLOUGHBY-EASTLAKE CAREER ACADEMY, WILLOUGHBY

3 credits per year

Auto Services trains students in general automotive service and repair. Training is provided in many areas of auto maintenance, including interior/exterior car maintenance, detailing and oil and fluid changes. Auto Services knowledge and skills include shop safety, use of hand and power tools, jacking and lifting, oxyfuel gas cutting, oil changes, brake repairs, tire changing and repair, computer wheel balance, auto detailing, car maintenance, steering and suspension components, exhaust systems, and customer service. College credit is available to successful completers through Cuyahoga Community College. Career opportunities for students who complete this program include: service center technician, retail sales in tires

and service attendant in fluid change shops. In addition to classroom training, senior-level students who meet the established requirements are permitted to work at an Auto Services related job during the second semester of their senior year.

AUTO SERVICE TECHNOLOGY

9514 Auto Service Technology Junior
LOCATION: EUCLID HIGH SCHOOL

9614 Auto Service Technology Senior
3 credits per year

Auto Technology is a two-year course which trains students in all areas of mechanical and electrical automotive repair. Specifically, the knowledge and skills of the auto service technology program include shop safety, hand and power tools use, vehicle maintenance, braking systems, steering and suspension systems, cooling and lubrication systems, exhaust systems, electrical/electronic systems, engine and drivability diagnosis, axles and drive trains and customer service. Mechanical and electrical theories along with the math and science of the automobile are taught in the classroom to assist with diagnoses of all systems.

ASE and NATEF certifications are available to qualified students. Qualified students may earn articulated credit through Cuyahoga Community College. Career opportunities for students who complete this program include: apprentice auto dealership service technician, service advisor, retail or wholesale part sales and transmission, front end, or muffler shops. This course is an excellent preparation for any post-high school auto technical school or technical college.

CAD ENGINEERING TECHNOLOGY

9710 CAD Engineering Tech Junior
LOCATION: MENTOR / LAKELAND

9715 CAD Engineering Tech Senior
3 credits per year

This course prepares students for careers in operations in manufacturing industries. Emphasis is placed on problem-solving and critical thinking skills. A CAD engineering technician is available to assist with the implementation of the manufacturing process from design to finished product. Technicians support the work of the engineer, utilizing theoretical knowledge of fundamental scientific, engineering, mathematical or drafting design and principles. CAD knowledge and skills include manual drafting and CAD drawing techniques, use of measuring and hand tools as well as manual machines, programming and operation of CNC equipment, SURFCAM software, 3-D solid modeling, geometry and trigonometry applications, casting techniques and welding processes, plastics, hot and cold forming of metals and heat treating and mechanical testing. Qualified students may earn up to 14 semester credits at Lakeland Community College.

CISCO NETWORKING TECHNOLOGY

*****HONORS LEVEL PROGRAM*****

9511 CISCO Networking Technology Junior
LOCATION: EUCLID HIGH SCHOOL

9611 CISCO Networking Technology Senior
3 credits per year

CISCO Networking Technology prepares students for careers in network systems analysis, planning, and administration. Students gain the necessary skills to analyze network system needs from design, installation, maintenance, and management of network systems. Labs utilize CISCO routers and switches through which students learn how to set up ftp sites, email servers, VPN's and web-hosting services. The CISCO knowledge and skills includes networking fundamentals, WAN technologies, basic networking security, wireless concepts, configuring routing and switch networks, troubleshooting routing and switch networks, OSI model, remotely accessing network devices, TCP/IP, access control lists, VLANS and basic computer skills.

The CISCO curriculum includes preparation for the Network+ and CCENT certification. Upon completion of the two-year program, students are prepared to take the CISCO Certified Network Associate (CCNA) exam.

BUSINESS TECHNOLOGY

9409-50 Business Technology I

9409-51 Business Technology II

LOCATION: WILLOUGHBY-EASTLAKE CAREER ACADEMY, WILLOUGHBY

3 credits per year

Business Technology is designed to train students in the basic fundamental operations of a business. Students work on individualized projects in a simulated business setting. The knowledge and skills covered include Microsoft software, leadership skills, employability skills, recordkeeping, business office communication skills, money and personal finance, and records management. Students utilize the SAM (Skills Assessment Manager) to prepare for the Microsoft Business Specialist (MOS) certification. Career opportunities for students who complete this program include: administrative assistant, general office assistant, data entry clerk, accounts payable or accounts receivable clerk and receptionist. Successful completers may earn up to eight (8) college credits through Lakeland Community College.

COMPUTER INFORMATION SYSTEMS

9510 Computer Information Systems Junior

9610 Computer Information Systems Senior

LOCATION: MENTOR / LAKELAND or EUCLID HIGH SCHOOL

3 credits per year

This program is designed to prepare students for high technology careers by blending academic and technical subjects that emphasize problem-solving and critical thinking skills. Knowledge and skills include basic computer literacy, essential technology skills (IT Academy, Microsoft Office), programming logic and design, programming in HTML, VB and C and C++, computer hardware, maintenance and troubleshooting, system design and analysis, project management, network operations, operating systems, basic business operations and employability skills.

The rapid growth of computer technology has created an increased demand for skilled personnel. This program provides the student with the necessary skills for entry-level employment and/or post-secondary training in the computer field. The curriculum is designed to prepare interested students for continuing their education by earning certifications at the professional level after high school which include MOUS, CompTia A+ and Visual Basic. Successful completers can earn articulated credit through Lakeland Community College.

CONSTRUCTION MANAGEMENT

9811 Construction Management Junior

9812 Construction Management Senior

LOCATION: MENTOR / LAKELAND

3 credits per year

The Construction Management program is a high school and college career path linked to business, industry and lab that insures a seamless pathway from high school to college to careers in Construction Management. It provides technical preparation in a career field such as engineering technology; applies science; mechanical, industrial or practical art of the trades. The program provides a broad survey of multiple construction technology fields; prepares the student for advanced studies and training in a specific construction apprenticeship program; and introduces the technical competencies of the construction management area. Knowledge and skills include shop and job site safety, hand tool, stationary and portable power tool use, surveying foundation layout, surveying figure grade, estimating, spreadsheets,

ArtCAM and CAD/CAM programs, drawing residential home, critical thinking, developing procedure sheets, designing, estimating, procuring and building a piece of furniture and employability skills. Articulated credit is available to successful completers through Lakeland Community College. Career opportunities for students who complete this program include: general contractor, bridge construction superintendent, senior project manager, construction expeditor and estimator.

COSMETOLOGY

9518 Cosmetology Junior
LOCATION: BRUSH HIGH SCHOOL

9618 Cosmetology Senior
3 credits per year

The Cosmetology two-year program is designed to introduce students to fundamental training and experiences needed for successful Ohio State Board of Cosmetology licensing. The knowledge and skills include sanitation procedures, anatomy and physiology, basic chemistry, business management, hair care procedures, skin care, nail care, salon safety procedures, English composition, "Beyond the Chair" program in partnership with Cleveland Clinic, a 150-hour salon internship and professional ethics. Upon successful completion of the two-year program, students are eligible to take the State Board of Cosmetology Examination for a cosmetology license. Articulated credit is available to successful completers through Cuyahoga Community College.

COSMETOLOGY

Cosmetology Junior
LOCATION: WILLOUGHBY-EASTLAKE TECH CENTER CAREER ACADEMY, WILLOUGHBY

Cosmetology Senior
3 credits per year

The Cosmetology two-year program is designed to introduce students to fundamental training and experiences needed for successful Ohio State Board of Cosmetology licensing. The knowledge and skills include sanitation procedures, anatomy and physiology, basic chemistry, business management, hair care procedures, skin care, nail care, salon safety procedures, English composition, a 150-hour salon internship and professional ethics. Upon successful completion of the two-year program, students are eligible to take the State Board of Cosmetology Examination for a cosmetology license. College credit is available to successful completers through Cuyahoga Community College.

CRIME SCENE TECHNOLOGY

9563 Crime Scene Technology Junior
LOCATION: EUCLID HIGH SCHOOL

9693 Crime Scene Technology Senior
3 credits per year

Crime Scene Technology uses scientific techniques to solve criminal cases. CST begins with law and public safety as the core body of knowledge. The knowledge and skills continue with business processes, communications, legal and ethical responsibilities, safety and environment, homeland security, emergency telecommunications, an overview of forensic science, the court system, computer crime, behavioral science, corporate security, criminal investigation science applications and technology applications. **For successful employment in this field, graduates are expected to complete a 4-year college degree.** Successful completers can earn college credit through Lakeland Community College.

CRIMINAL JUSTICE

9562 Criminal Justice Junior
LOCATION: EUCLID HIGH SCHOOL

9692 Criminal Justice Senior
3 credits per year

The two-year Criminal Justice Program provides training for students in the basic fundamentals needed in criminal law and court procedures. Instruction is given in matters involving the constitutional rights of individuals and proper criminal investigative techniques. Other areas of training include rules of evidence, criminal law, the justice system and the Ohio criminal code. Knowledge and skills also include legal and

ethical responsibilities, terrorism and homeland security, emergency telecommunications, patrol and terrorism. During laboratory classes, students receive instruction in all phases of crime scene processing, photography, fingerprinting, and other related areas of investigation. Career opportunities in criminal justice include: police, parole, security or corrections officer, private investigator, police dispatcher, park ranger, hospital security and industrial security. Successful completers can earn college credit through Lakeland Community College.

CULINARY ARTS

9545 Culinary Arts Junior

LOCATION: EUCLID SHORE CULTURAL CENTER

9645 Culinary Arts Senior

3 credits per year

The Culinary Arts Program offers training in food-related occupations to juniors and seniors with interest in and aptitude for the food service industry. Juniors will be introduced to the food industry, basic cooking, equipment, safety and sanitation, pastas, breads, food presentation, restaurant preparation and other topics. Seniors will learn about stocks, sauces, soups, meats, poultry, seafood, salads, dressings, menu planning and restaurant operation. Culinary Arts students are able to take ServSafe and ProStart COA certifications. Articulated credit is available to successful completers.

EARLY CHILDHOOD EDUCATION

9540 Early Childhood Education Junior

LOCATION: MENTOR HIGH SCHOOL

9672 Early Childhood Education Senior

3 credits per year

Students in this program attend Mentor High School all day for both academics and the program. English is taught in collaboration with the Early Childhood Program. Graduation is from student's home school.

The two-year Early Childhood Education Program provides opportunities for students to learn how children develop physically, socially, emotionally, behaviorally and mentally. During the first year of the program the students participate in a supervised in-school laboratory where they have the opportunity to observe the development of children in a preschool program conducted at Mentor High School. Students are responsible for planning a variety of experiences for the preschool children in music, art, science, literature and other activities, which contribute to the optimum development of children. The guidance and development of the normal child is emphasized during this year of the program.

During the second year of the program students are placed on jobs in the community, working as assistants in programs for normal and exceptional children. Under the direction of the coordinator and supervising teacher, students plan a variety of experiences for children of various ages and abilities. The guidance and development of the exceptional child is emphasized during this year of the program. College credit is available to successful completers through Lakeland Community College.

Career opportunities for students who complete this program include: day care programs, preschools, elementary schools, Headstart Programs, latch key programs, and teacher's aides. With further education, students can pursue the following careers: child development, special education, speech therapy, elementary education, physical therapy, or social worker.

EARLY CHILDHOOD EDUCATION

Early Childhood Education Junior

LOCATION: WILLOUGHBY-EASTLAKE CAREER ACADEMY, EASTLAKE

Early Childhood Education Senior

3 credits per year

The two-year Early Childhood Education Program provides opportunities for students to learn how children develop physically, socially, emotionally, behaviorally and mentally. During the first year of the program the students participate in a supervised in-school laboratory where they have the opportunity to observe the development of children in a preschool program conducted at Kennedy Early Learning Center. Students are responsible for planning a variety of experiences for the preschool children in music, art, science, literature

and other activities, which contribute to the optimum development of children. The guidance and development of the normal child is emphasized during this year of the program.

During the second year of the program students are placed on jobs in the community, working as assistants in programs for normal and exceptional children. Under the direction of the coordinator and supervising teacher, students plan a variety of experiences for children of various ages and abilities. The guidance and development of the exceptional child is emphasized during this year of the program. College credit is available to successful completers through Lakeland Community College.

Career opportunities for students who complete this program include: day care programs, preschools, elementary schools, Headstart Programs, latch key programs, and teacher's aides. With further education, students can pursue the following careers: child development, special education, speech therapy, elementary education, physical therapy, or social worker.

HEALTH INFORMATION MANAGEMENT (HEALTH INFORMATICS)

Health Information Management Junior

Health Information Management Senior

LOCATION: WILLOUGHBY-EASTLAKE CAREER ACADEMY, WILLOUGHBY

3 credits per year

Health Information Management, or Health Informatics, is a fast-growing career in the health care pathway. It is the practice of maintenance and care of health records in hospitals, physician's offices, clinics, health departments, health insurance companies, and other facilities that provide health care. Students will collect and analyze health care data to prepare medical records for medical settings and insurance reimbursement. Topics will include employability skills, communication skills, managing patient information, medical ethics, records management, and medical coding.

College credit is available to successful completers through Lakeland Community College.

HOSPITALITY AND LODGING

6409-50 Hospitality and Lodging I

6409-51 Hospitality and Lodging II

LOCATION: WILLOUGHBY-EASTLAKE CAREER ACADEMY, WILLOUGHBY

3 credits per year

Hospitality and Lodging is one of the world's largest industries, from hotel management to sports, entertainment and event management. This program will prepare students for employment careers in management, marketing and operations of restaurants and other food services, lodging, destination marketing organizations, attractions, recreation, meetings and events, transportation, and travel-related services. The curriculum includes the following skills: employability skills, communication skills, food safety and sanitation, banquet serving/clearing, banquet and conference set-up skills, housekeeping skills, attending to rooms, travel training/destination marketing, point of sale skills and calculating pay. Guest speakers from the industry and work-based experiences may be included in regular class time.

Career opportunities for students who complete this program include: bell captain, host/hostess, concession attendant, banquet server & set-up, restaurant server, bus person, public space cleaner, convention services set-up, buffet attendant, front desk representative, guestroom attendant, laundry room attendant, maintenance worker, reservationist, and event planning.

Students also have the opportunity to earn the following certifications:

"Person in Charge" Lake County Health Department

"Workplace Safety & Health" National Institute for Occupational Safety and Health

"Guest Service Gold" American Hotel and Lodging Educational Institute

Successful completers may earn up to five (5) college credits through Lakeland Community College.

INFORMATION TECHNOLOGY SERVICES

9711 Information Technology Services Junior

9713 Information Technology Services Senior

LOCATION: MENTOR / LAKELAND

3 credits per year

This program prepares high school students to pursue an Associate Degree (2-year) in Information Technology or for a career at the entry level in a wide range of computer technologies. Students are transported to Lakeland Community College for English, Applied Physics, and for the technical component of the program. All other academic subjects are taken at the student's home school.

An Information Technology Services technician builds, evaluates, troubleshoots and maintains computers, networks and electronic products and systems by utilizing specialized skills and equipment to ensure product quality. ITS knowledge and skills include computer hardware and component subsystems, operating system installation and support, end user education and training, selection, use and support of computer applications, business industry support and practices, network essentials and business practices, project management, information technology resource optimization and professional business skills. Students can apply for industry credentialing, including CompTIA A+ and Certiport IC3. College credit is available to successful completers through Lakeland Community College.

INTERACTIVE MEDIA

9516 Interactive Media Junior

9616 Interactive Media Senior

LOCATION: MENTOR HIGH SCHOOL

3 credits per year

Students in this program attend Mentor High School all day for both academics and the program. English is taught with Interactive Media Program. Graduation is from the student's home school.

The course prepares students for entry-level jobs in interactive media production and for entrance into a 2-year college, an advanced art college or a university. Students learn television production, computer graphics, graphic design for production, recording, digital imaging, digital audio technology, photography, studio equipment maintenance, web page design, content research, application/instruction design, and writing for interactive media.

Upon completion of this program students may enter an art school, a 2-year college or a 4-year college/university. The rapid growth of computer technology has increased the demand for skilled workers in this field. College credit is available to successful completers through Lakeland Community College.

LICENSED PRACTICAL NURSING

9631 Licensed Practical Nursing Junior

Licensed Practical Nursing Senior

LOCATION: WILLOUGHBY-EASTLAKE CAREER ACADEMY, EASTLAKE

3 credits per year

This unique **2-year** program is approved by the Ohio Board of Nursing, North Central Association of Colleges and Schools, and the Ohio Department of Career and Technical Education. It is 1 of only 4 high school nursing programs in the state of Ohio. It progresses from the simple to complex in theory, skills and clinical practice. Some of the courses include: fundamentals of nursing which includes a skill lab component, body and structure, nutrition, professional relationships, pharmacology and medical/surgical nursing. Clinical experience is correlated with theory and is provided at Lake Health Systems, Inc., LakeMed Nursing and Rehabilitation Center, Gateway Retirement Community, Waterford at Richmond Heights, Lake County MRDD, and Breckenridge Village.

Upon successful completion of the nursing course, the graduate takes the Ohio Board of Nursing examination which provides licensure for the graduate. Once licensed, the graduate nurse is able to provide comprehensive total nursing care to people of all ages. College credit is available to successful completers.

ADMISSION REQUIREMENTS:

1. Passage of a pre-entrance exam with a proficient score. Proficient scores generally indicate a moderate level of overall academic preparedness necessary to support learning of nursing-related content.
2. Passage of all parts of the Ohio Graduation Test (OGT)
3. Minimum cumulative GPA of 3.0 through first semester of sophomore year

MARKETING EDUCATION – MENTOR

9520 Marketing Education Junior
LOCATION: MENTOR HIGH SCHOOL

9620 Marketing Education Senior
1 credit junior year; 4 credits senior year

Students in this program attend Mentor High School all day for both academics and the program. English is taught in collaboration with the Marketing Education Program. Graduation is from the student's home school.

Marketing Education is a 2-year program. Junior year, students take a 1-period marketing-related class. Senior year, students take a 1-period marketing-related class with a work experience component. Marketing knowledge and skills include accounting/finance, advertising and public relations, business administration, international business, business owner/entrepreneurship, fashion merchandising, hotel/resort management, information technology, sales/marketing, sports marketing/management and travel and tourism. Program certifications include Certified eMarketer, National Retail Federation, and Sales and Marketing Executives International. Successful completers can earn college credit through both Lakeland Community College and Cuyahoga Community College.

MEDICAL ASSISTING

9632 Medical Assisting Junior
LOCATION: WILLOUGHBY-EASTLAKE CAREER ACADEMY – EASTLAKE

Medical Assisting Senior
3 credits per year

The Medical Assisting Program is designed to prepare students to handle both the clinical duties and administrative responsibilities in a medical setting. Students learn anatomy and physiology, medical office protocol, vital signs, and patient care. Medical terminology, medical ethics, office skills, and basic patient care are included. Classroom and clinical settings offer a variety of opportunities for learning.

Successful completers may earn up to six (6) college credits through Lakeland Community College.

PRODUCTION WELDING

9449-50 Production Welding I
LOCATION: NORTH HIGH SCHOOL

9449-51 Production Welding II
3 credits per year

In the Production Welding Program, students learn several welding processes using a variety of materials and techniques. Welding processes include: Arc, Oxy-Acetylene welding and cutting, MIG, TIG and Plasma cutting. Shop safety rules and practices as well as the use of many hand tools are included in classroom instruction and are practiced in the lab setting. Career opportunities for students who complete this program include: factory welder, production welder, welder cutter and welder fitter. Successful completers may earn up to ten (10) college credits through Lakeland Community College.

VISUAL COMMUNICATIONS

9595 Visual Communications Junior
LOCATION: EUCLID HIGH SCHOOL

9695 Visual Communications Senior
3 credits per year

This 2-year program is intended for students who wish to explore the possibility of a career in visual design and computer imaging. During the junior year emphasis is placed on the development of proficiency in basic art skills such as drawing, calligraphy, layout, and illustration using various techniques and media. Students become proficient in the use of InDesignCS2 and PhotoshopCS3 to create graphic pieces. In the senior year students work on various design projects and prepare a visual portfolio, business card and resume. Students who complete this program either go on to an art college or work in such areas as advertising, illustration, book or CD cover design, computer graphics, greeting card design, or sign display. Successful completers can earn college credit through Lakeland Community College.

JOB TRAINING PROGRAM

9439-51 JTP

LOCATION: WILLOUGHBY-EASTLAKE CAREER ACADEMY, WILLOUGHBY

3 credits per year

JTP emphasizes development of entry-level employability skills in order for students to be successful in the workplace. Training is designed to enhance each individual student/worker's potential. Under supervision, students receive hands-on real work experiences while developing at their own pace. The goal for all students is to develop safety skills, knowledge, attitudes and job skills in order to get and keep a job. Classroom instruction and learning activities focus on basic skills and attitudes often associated with assembly production work, specific skill work and department team work. Some students may develop sufficient job skills that allow them to transfer to another career program for more advanced skill training.

Career opportunities for students include: machine operator, shipping and receiving clerk, production assembler, quality control inspector, laundry room assistant and maintenance assistant.

WELDING

9527 Welding Junior

9627 Welding Senior

LOCATION: WILLOUGHBY-EASTLAKE CAREER ACADEMY, WILLOUGHBY

3 credits per year

Welding is a two-year program which trains students in SMAW, GMAW, GTAW, FCAW-GS, CAC, Blue print reading and Shop Safety. Students are taught the same skills that are taught at the Lincoln School of Welding. Related classroom instruction is also an important part of the Welding Program. In related class, students learn the scientific theories and principles of welding as well as information on fabrication and welding different alloys. Blue print reading and layout skills along with mathematics and other job skills are also part of the related class.

Sixteen (16) college credits are available through Lakeland Community College.

Opportunities for trained welders include: millwright welder, factory welder, production welder, fabrication welder, tack welder, pipe welder, skilled trade welder, welding inspector and welding equipment tender.



Willoughby-Eastlake Dual Credit Offerings w/ Ashland University

Students must meet PSEO eligibility requirements (see p. 10 in the HS Course Selection Guide)

Courses offered within each high school, taught by W-E teachers who maintain adjunct professor status – students earn **BOTH** high school **AND** college credit (see p.12 in the HS Course Selection Guide for more information.)

Dual Credit Offerings – Fall 2014 (1 st semester)	Dual Credit Offerings –Spring 2015 (2 nd semester)
ACCT 1100 Intro to Financial Accounting	ACCT 1200 – Intro to Managerial Accounting
HIST 112 Western Civilization	HIST 113 Western Civilization
MATH 208 Elementary Statistics	MATH 223 Discrete Mathematics
HS/FCS 180 Lifetime Wellness	OR HS/FCS 180 Lifetime Wellness

Ashland University's Additional PSEO Eligibility Requirements include the student MUST:

- be in 11th or 12th grade
- have an SAT 980 CR/M score and/or an ACT Composite score ≥ 21
- have a cumulative GPA of ≥ 3.0 on a 4.0 scale (in addition to the ODE guideline of a 3.0 within the content area)
- ≥ 2 years of college preparatory high school coursework completed in English, Math (Algebra and higher), Social Studies, and Science (at least 1 a lab science)
- meet course-specific criteria as identified below

ACCT 201 Financial Accounting 3 Credits - 1st Semester

The first of a two-course sequence in basic accounting. This course develops an understanding of the basic elements of financial accounting. Students are introduced to accounting concepts, procedures, and terminology. Topics covered include processing of transactions through the accounting cycle, applying generally accepted accounting principles, and preparing and interpreting of financial statements. (3 college semester hours/.6 HS credits)

ACCT 202 Managerial Accounting 3 Credits – 2nd Semester

Prerequisite: ACCT 201

The second of a two-course sequence in basic accounting. This course develops an understanding of the basic elements of managerial accounting. Students are introduced to accounting information for the purpose of making informed business decisions. Topics covered include the accounting information necessary for managers to plan operations, control activities, evaluate performance, and make decisions. (3 college semester hours/.6 HS credits)

HS/FCS 180 Lifetime Wellness 2 Credits - 1st Semester or 2nd Semester

An examination and application of the components that contribute to the concept of wellness—a process of moving toward optimal health & vitality that emphasizes individual responsibility for well-being through the practice of self- assessment & the adoption of health-promoting lifestyle behaviors. Meets Core credit - lifetime wellness.(2 college semester hours/.4 HS credits)

HIST 112 Western Civilization 3 Credits – 1st Semester

This course will seek to answer the question “what is civilization?” by studying certain historical moments in the West - classical Greece, the Roman Republic, early Christianity, the High Middle Ages, and the Renaissance - in order to see the changes over time in politics, religion, society, economics, and culture and to realize the extent to which the present world has inherited these institutional and intellectual foundations of human life. Meets Core credit for historical reasoning. (3 college semester hours/.6 HS credits)

HIST 113 Western Civilization 3 Credits – 2nd Semester

This course examines how the peoples of Western Europe understood freedom and sought to secure it in the 500 years from the Renaissance to WW II. Focusing on selected historical moments during this period, the course considers how this quest for freedom transformed politics, religion, economics, and morality; it also examines the reaction to this transformation, especially in totalitarianism. Meets Core credit for historical reasoning. (3 college semester hours/.6 HS credits)

MATH 208 Elementary Statistics 3 Credits – 1st Semester

Prerequisite: math ACT score of 18 or above, math SAT score of 480 or above, or MATH 100

Introductory course designed to meet the needs of students in biology, business, economics, education, nursing, psychology & sociology. Sample and theoretical frequency distributions, data dispersion & central tendency, estimation, hypothesis testing, correlation & analysis of variance are topics studied. Meets Core credit for math/logic. (3 college semester hours/.6 HS credits)

MATH 223 Discrete Mathematics 3 Credits – 2nd Semester

Prerequisites: Three years high school college prep math. Introduction to mathematical reasoning, proofs, recursion, graph theory, tree structures, combinatorics, mathematical models & algorithm design; applications to computer science. MATH 223 meets Core credit for math/logic. (3 college semester hours/.6 HS credits)

Willoughby-Eastlake Dual Credit Offerings w/ Lakeland Community College

Students must meet ODE PSEO eligibility requirements (see p.10). Courses offered within each high school, taught by W-E teachers who maintain adjunct professor status – students earn **BOTH** high school **AND** college credit. (see p.12 for more information about Dual Credit)



Lakeland Community College's Additional PSEO Eligibility Requirements include that each student:

- have a cumulative high school G.P.A. of 3.0 (in addition to the ODE-requirement of a GPA of 3.0 or better in the subject he/she wishes to study at the postsecondary institution as evidenced by official HS transcript) - as of January 2013
- must take the COMPASS Placement Test and achieve a minimal placement level of English 1110 and Math 0950; or achieve an ACT minimum score of 21 in Math and 22 in English; or achieve an SAT minimum score of 500 in math and 550 in Critical Reasoning.
- must have a high school guidance counselor recommendation

Dual Credit Offerings – Fall 2013 (1 st semester)	Dual Credit Offerings – Spring 2014 (2 nd semester)
ACCT 1100 Intro to Financial Accounting	ACCT 1200 – Intro to Managerial Accounting
ENGL 1110 English Composition I (A)	ENGL 1120 English Composition II
MATH 1650 College Algebra	MATH 1700 Trigonometry
MATH 2350 Applied Calculus I	MATH2450 Applied Calculus II
POLS 1300 U.S. National Government	POLS 2100 State and Local Government
POLS 2200 Introduction to International Relations	POLS 2300 Introduction to Comparative Politics

ACCT 1100 Intro to Financial Accounting 4 Credits (1st semester)

This course examines financial accounting and reporting with emphasis on analysis and interpretation from a user perspective. The course covers the accounting principles underlying the accounting cycle, income measurement using accrual accounting, asset valuation, ratio analysis, and cash flow. Students will study the major components of the financial statements included in the corporation annual report. (4 college semester hours/.8 HS credits)

ACCT 1200 – Intro to Managerial Accounting (2nd semester) Prerequisite: ACCT 1100

This course examines managerial accounting tools and techniques used by decision makers to help make an organization's operations more effective and efficient. Students will apply basic managerial accounting concepts to problems of management planning, control, decision making, and performance evaluation. Topics covered include job order costing and analysis, process costing and analysis, activity-based costing and analysis, variable costing, cost behavior and cost volume-profit analysis, budgeting, standards cost, relevant costing, and capital budgeting. (3 college semester hours/.6 HS credits)

ENGL 1110 English Composition I (A) 3 Credits (1st semester)

Prerequisite: placement test

This course focuses on the writing process and on the composition of expository writing assignments, including personal, informational, and critical essays. Students will read and analyze expository and imaginative texts (fiction, nonfiction, poetry, or drama). Because of duplication in course content, students who have taken ENGL 1111 English Composition I (B) should not take this course. (3 college semester hours/.6 HS credits)

ENGL 1120 English Composition II 3 Credits (2nd semester)

Prerequisite: ENGL 1110 or ENGL 1111

This course analyzes argumentative strategies, models, and texts. Students will focus on the research process: identifying sources through electronic and print-based research strategies, evaluating research materials, and integrating and synthesizing research material. The course culminates in the production of a fully documented argumentative paper. (3 college semester hours/.6 HS credits)

HIST 1500 – World HIST 1500 to 1945

This course explores the development of the world from 1500 through the end of World War II. It is designed to provide students with an understanding of the key facets of non-Western and Western social, political, economic, cultural, religious, and intellectual history. (3 contact hours) Transfer Module, TAG

HIST 1600 – World History Since 1945

The overall objective of this course is to help students acquire a solid historical understanding of global history since 1945. The course examines the social, political, cultural, and intellectual facets of world history since World War II, with attention focused especially on European, Asian, and African affairs. Particular attention is paid to the key themes of post-World War II history, including the Cold War, decolonization, the collapse of the Soviet Union, and the emergence of the United States as the lone superpower. (3 contact hours) Transfer Module, TAG

MATH 1650 College Algebra 4 Credits (1st semester)

Prerequisite: MATH 0950 or placement test

This course uses an integrated laboratory and lecture approach to investigate and solve relations and functions numerically, analytically, and graphically. Topics include solutions of polynomial, rational, exponential, and logarithmic equations and inequalities; systems of linear and non-linear equations; matrix solutions, determinants, conic sections, sequences and series, and mathematical modeling. Students must supply a graphing calculator. (4 college semester hours/.8 HS credits)

MATH 1700 Trigonometry 3 Credits (2nd semester)

Prerequisite: MATH 1650 or placement test

This course includes the study of trigonometric functions and inverse trigonometric functions and their graphs; solutions of right and oblique triangles and their applications; solutions of trigonometric equations and inequalities; the use of identities, vectors, and complex numbers; and solutions of polar equations and parametric equations. Students must supply a graphing calculator. (3 college semester hours/.6 HS credits)

MATH 2350 Applied Calculus I 3 Credits (1st semester)

Prerequisite: MATH 1650 or permission of instructor

This course explores differential calculus as applied to business, social sciences, and life sciences. Topics include functions, limits, and derivatives of algebraic, exponential, and logarithmic functions; applications of derivatives to maximum and minimum values of a function; cost, revenue, profit, supply, and demand; growth rates; decay rates; and logistics curves. Students must supply a graphing calculator. (3 college semester hours/.6 HS credits)

MATH2450 Applied Calculus II 3 Credits (2nd semester)

Prerequisite: MATH 2350

This course explores integral calculus as applied to business, social sciences, and life sciences. Topics include definite and indefinite integrals, improper integrals, differential equations, multivariable calculus, applications of the integral, consumers' and producers' surplus, integration of rate functions, growth models, and Cobb-Douglas production functions. Students must supply a graphing calculator. (3 college semester hours/.6 HS credits)

POLS 1300 U.S. National Government 3 Credits (1st semester)

This course provides an examination of the formation, structure, processes and fundamental political principles of the United States political system, including the development of the Constitution and the federal system, civil rights and liberties, public opinion and political participation, political parties and interest groups, the role of money and the media in the political system, political campaigns and elections, Congress and the legislative process, the presidency, and the federal judiciary. It focuses not only on the achievements of the political system but on its shortcomings as well, thus leading to consideration of the political challenges facing the system and suggestions for reform. (3 college semester hours/.6 HS credits)

POLS 2100 State and Local Government 3 Credits (2nd semester)

This course provides a survey of the organization, processes, powers, and responsibilities of state and local government in the United States, with special reference to Ohio. Topics include national-state and state-local relations, state constitutions and municipal charters, political participation, parties and special interests, and the basic institutions of government comprising the legislative, executive, and judicial branches. The course also considers various types of local governments and the problems of metropolitan government. Policy issues examined include education, welfare, and law enforcement policy, as well as budgeting and finance at the state and local levels. Students must conduct a field assignment in their communities. (3 college semester hours/.6 HS credits)

POLS 2200 Introduction to International Relations 3 Credits (1st semester)

This course examines the origin, nature, and development of the post-Cold War international system. Basic concepts include state, nation, power, sovereignty, nationalism, national interest, security, and balance of power. The course examines the major governmental and nongovernmental, state, and international actors influencing international relations, as well as the primary issues of the modern international system. It also considers strategies for enhancing international security and peace, diplomacy, international trade, nuclear and conventional military power, and international law and government. (3 college semester hours/ .6 HS credits)

POLS 2300 Introduction to Comparative Politics 3 Credits (2nd semester)

This course provides an examination and critical analysis of governments and political systems in selected Western and non-Western, developed and developing nations throughout the world. Using a country approach, it introduces the basic concepts, theories and approaches to comparative political analysis. The course gives particular attention to: political cultures, constitutions, governmental institutions and processes, electoral systems, political participation and behavior, political parties and interest groups, the role of political and economic elites, and key current issues and policy-making processes. (3 college semester hours/ .6 HS credits)

EXTRACURRICULAR ACTIVITIES

NORTH HIGH SCHOOL*

Academic Decathlon Team
Class Officers
Drama/Theatricals
Environmental Club
Foreign Language Club
Four-Way Speech Competition
Friendship/Pep Club
Jazz Ensemble
Majorettes
Marching Band
Mock Trial Team
National Honor Society
Newspaper
Rangerettes
Robotics
Show Choir (Northern Lights)
Student Council
Volunteers Club
Yearbook Staff

TECH CENTER

Business Professionals Association
Skills USA
DECA

SOUTH HIGH SCHOOL*

Academic Decathlon Team
Art Club
Chess Club
Class Officers
Drama Club
Flag Corps
Four-Way Speech Competition
French Club
German Club
Jazz Ensemble
Key Club
Majorettes
Marching Band
Mock Trial Team
National Honor Society
Newspaper
Science Club
Show Choir
Spanish Club
Student Council
Yearbook

Athletics available at both NHS & SHS*:

FALL

Cheerleading
Cross Country (Boys & Girls)
Football
Golf (Boys & Girls)
Soccer (Boys & Girls)
Tennis (Girls)
Volleyball (Girls)

WINTER

Basketball (Boys & Girls)
Bowling (Boys & Girls)
Cheerleading
Swimming/Diving (Boys & Girls)
Wrestling (Boys)
Gymnastics (Girls)
SPRING
Baseball (Boys)
Fast Pitch (Girls)
Tennis (Boys)
Track (Boys & Girls)

*Students taking vocational classes at the Tech Center can participate in all extra-curricular activities offered at their home schools.

STUDENT PLANNING DOCUMENTS

The following documents should be completed by each student, with the support of parents/guardians and a Guidance Counselor. Each student is encouraged to complete these forms in pencil, as they are intended to be organic documents which grow or adjust as a student progresses through school. An electronic version of these documents is also available on the district website: www.weschools.org

My Four-Year Planning Guide

Complete document electronically and save or use pencil to write courses to be taken in each provided blank.

Grade 9			
1 st semester		2 nd semester	
English		English	
Math		Math	
Science		Science	
Soc. St.		Soc. St.	
Computer?		Computer?	
PE?		PE?	
Elective		Elective	
Elective		Elective	
Elective		Elective	

Total Credits Earned: _____

PLAN Scores: English: _____ / Math: _____ / Reading: _____ / Science: _____ / Composite: _____

Grade 10			
1 st semester		2 nd semester	
English		English	
Math		Math	
Science		Science	
Soc. St.		Soc. St.	
Computer?		Computer?	
PE?		PE?	
Elective		Elective	
Elective		Elective	
Elective		Elective	

Total Credits Earned: _____

OGT Passage (check each section passed): Math / Reading / Science / Soc. St. / Writing

PLAN Scores: English: _____ / Math: _____ / Reading: _____ / Science: _____ / Composite: _____

(fall administration) PSAT Scores: Critical Reading: _____ / Math: _____ / Writing: _____

Grade 11

1 st semester		2 nd semester	
English		English	
Math		Math	
Science		Science	
Soc. St.		Soc. St.	
Computer?		Computer?	
PE?		PE?	
Elective		Elective	
Elective		Elective	
Elective		Elective	

Total Credits Earned: ____

(fall administration) **PSAT Scores:** Critical Reading: ____ / Math: ____ / Writing: ____ / Selection Index (National Merit Eligibility): ____

(fall or spring administration recommended) **ACT Scores:** English: ____ / Math: ____ / Reading: ____ / Science: ____ / Writing: ____ / Composite: ____

(spring administration recommended) **SAT Scores:** Critical Reading: ____ / Writing: ____ / Math: ____ / Optional Subject Score(s): ____

Grade 12

1 st semester		2 nd semester	
English		English	
Math		Math	
Science		Science	
Soc. St.		Soc. St.	
Computer?		Computer?	
PE?		PE?	
Elective		Elective	
Elective		Elective	
Elective		Elective	

Total Credits Earned: ____

Students are encouraged to refer to pages 2-4 for Graduation/Diploma Requirements and page 5 for Eligibility Requirements.

(fall administration recommended) **ACT Scores:** English: ____ / Math: ____ / Reading: ____ / Science: ____ / Writing: ____ / Composite: ____

(fall administration recommended) **SAT Scores:** Critical Reading: ____ / Writing: ____ / Math: ____ / Optional Subject Score(s): ____

Willoughby-Eastlake City Schools

CR ACADEMIC DECATHLON

1 1110 Academic Decathlon

CR ART AND MUSIC

1 7405 Art I
 1 7406 Art II
 1 7502 Art III
 1 7602 Art IV
 .5* 7407 Ceramics I
 .5* 7507 Ceramics II
 1 7401 Symphonic Band
 1 7403 Wind Symphony
 .5 7411 Exploring Music*
 .5 7413 Exploring Art*
 1 7412 Mixed Choir Performing
 1 7512 Concert Choir
 1 7503 Theory & Harmony

CR BUSINESS

.5* 5301 Personal Finance I
 .5* 5302 Personal Finance II
 .5* 5411 Keyboarding & Doc. Format.
 .5* 5412 Bus. Communication Info. Tech.
 1 5502 Accounting
 .5* 5503 Business Organization
 .5* 5505 Business Law

CR COMPUTER EDUCATION

.5* 3900 Computer Science I
 .5* 3901 Computer Science II
 .5* 3902 Programming
 .5* 3903 Multimedia Communications
 .5* 3904 HTML Web/JavaScript
 1 3905 AP Computer Science A

CR ENGLISH

1 0301 English I
 1 0310 English I High Ability
 1 0401 English II
 1 0421 English II Honors
 1 0522 English III
 1 0531 English III Honors
 1 0532 AP Eng. Language
 1 0621 AP Eng Literature
 1 0622 English IV
 1 0631 English IV Honors
 .5* 0500 Speech /Oral Interpretation
 .5* 0510 Publications
 .5* 0511 Drama/Theater
 .5* 0613 Writing for College I
 .5* 0614 Writing for College II
 .5* 0700 Secondary Reading (OGT)
 .5* 0800 ACT/SAT Prep

CR FAMILY & CONSUMER SCIENCES

.5* 6402 Creative Cook
 .5* 6502 Food for Fitness
 .5* 6503 Teen and Adult Roles
 .5* 6506 Independent Living
 .5* 6508 Child Development

CR FOREIGN LANGUAGE

1 4301 French I
 1 4401 French II
 1 4501 French III
 1 4601 French IV
 1 4701 French V Honors
 1 4302 German I
 1 4402 German II
 1 4502 German III
 1 4602 German IV
 1 4304 Spanish I
 1 4404 Spanish II
 1 4504 Spanish III
 1 4604 Spanish IV
 1 4704 Spanish V Honors
 1 4801 Chinese I
 1 4802 Chinese II

CR HEALTH AND P.E.

.25* 8301 P.E. I
 .5* 8401 Health
 .25* 8402 P.E. II
 .25* 8502 P.E. III
 .25* 8601 P.E.IV
 .5* 8602 Social Relations

CR INDUSTRIAL TECHNOLOGY

.5* 6406 Wood Technology
 .5* 6407 Power Technology
 .5* 6408 Drafting Communications
 .5* 6410 Indoor Home Repair/Maint.
 .5* 6414 Outdoor Home Repair/Maint.
 .5* 6507 Engineering Communication
 .5* 6510 Architectural Drawing

CR MATH

1 3091 Honors Geometry
 1 3093 Algebra I
 1 3094 Integrated Math I
 1 3101 Honors Algebra II/Trig
 1 3103 Geometry
 1 3104 Integrated Math II
 1 3123 Pre-Calculus
 1 3111 Honors Pre-Calculus
 .5* 3112 Data Analysis
 1 3124 Intermediate Algebra
 1 3113 Algebra II
 1 3117 Integrated Math III
 1 3118 Integrated Math OGT
 1 3121 AP Calculus AB
 1 3126 AP Calculus BC
 1 3122 Introduction to College Math
 1 3125 AP Statistics

CR SCIENCE

1 2302 Integrated Science 9
 1 2303 Integrated Science 9 HA
 1# 2401 Honors Biology
 1 2403 General Biology
 1 2421 Environmental Science
 1 2422 Environmental Issues
 1# 2500 Honors Chemistry
 1# 2507 General Chemistry
 .25 2555 Intervention Science OGT 1st Qt.
 .25 2556 Intervention Science OGT 3rd Qt.
 1# 2602 Physics
 1# 2621 AP Biology
 1# 2631 AP Chemistry
 1# 2641 AP Physics B
 .5* 2642 Forensic Science
 .5* 2643 Astronomy

CR SOCIAL STUDIES

1 1305 Integrated Social Studies
 1 1310 Integrated Social Studies 9 HA
 1 1401 Global History
 1 1402 American History
 1 1403 American History HA
 .5* 1502 Sociology
 .5* 1503 Psychology
 1 1506 American Government/Econ.
 1 1621 AP U.S. History
 1 1623 AP U.S. Gov. & Politics
 1 1626 AP European History
 .5* 1624 Senior Seminar Post WW II Era
 .5* 1625 Senior Seminar Modern Era
 .5* 1727 Theory of Economics I
 .5* 1728 Theory of Economics II
 1 1511 American Government OGT
 .5* 1555 Social Studies Intervention 1st
 .5* 1556 Social Studies Intervention 2nd

CR CAREER-TECHNICAL EDUCATION

3 9505 Admin. Support Tech.-Jr.
 3 9605 Admin. Support Tech.-Sr.
 3 9512 Auto Collision-Jr.
 3 9612 Auto Collision-Sr.
 3 9429-50 Auto Services I
 3 9429-51 Auto Services II
 3 9514 Auto Service Technology-Jr.
 3 9614 Auto Service Technology-Sr.
 3 9710 CAD Engineering Tech – Jr.
 3 9715 CAD Engineering Tech – Sr.
 3 9511 CISCO Networking-Jr.
 3 9611 CISCO Networking-Sr.
 3 9409-50 Office Technology I
 3 9409-51 Office Technology II
 3 9510 Computer Info Sys-Jr.
 3 9610 Computer Info Sys-Sr.
 3 9811 Construction Management Jr.
 3 9812 Construction Management Sr.
 3 9518 Cosmetology-Jr.
 3 9618 Cosmetology-Sr.
 3 9563 Crime Scene Technology Jr.
 3 9663 Crime Scene Technology Sr.
 3 9562 Criminal Justice-Jr.
 3 9692 Criminal Justice-Sr.
 3 9545 Culinary Arts Junior
 3 9645 Culinary Arts Senior
 3 9540 Early Childhood Jr.
 3 9672 Early Childhood-Sr.
 3 6409-50 Hospitality – Travel & Tourism I
 3 6409-51 Hospitality – Travel & Tourism II
 3 9711 Information Tech. Serv. Jr.
 3 9713 Information Tech. Serv. Sr.
 3 9516 Interactive Media -Jr.
 3 9616 Interactive Media -Sr.
 6 9631 Licensed Practical Nursing Sr.
 3 9449-50 Production Welding I
 3 9449-51 Production Welding II
 3 9595 Visual Communications-Jr.
 3 9695 Visual Communications-Sr.
 3 9439-50 Job Training Program I
 3 9439-51 Job Training Program II
 3 9527 Welding-Jr.
 3 9627 Welding-Sr.

*One Semester Only

Double Period



