Olathe Public Schools is a partnership of staff, students, parents, and the community.

Mission Statement
To provide a safe, positive environment where all students acquire knowledge and skills, to be productive citizens.

Vision
Students prepared for their future.

Guiding Principles

Student Guiding Principles
Students will demonstrate in actions and words:
- Honesty
- Respect
- Responsibility
- Trustworthiness

Parent/Patron Guiding Principles
- Positive Role Models
- Effective Communicators
- Respect for all
- Advocates for education
- Actively involved

Staff/Board Guiding Principles
- Children first
- Respect for all
- Teamwork
- Excellence and quality
- Commitment to individual needs

Quick Reference

Olathe East
14545 W. 127th
Olathe, KS
913-780-7120
http://schools.olatheschools.com/olatheeast/

Olathe North
600 E. Prairie
Olathe, KS
913-780-7140
http://schools.olatheschools.com/olathenorth/

Olathe Northwest
21300 College Blvd.
Olathe, KS
913-780-7150
http://www.onwravens.net/

Olathe South
1640 E. 151st
Olathe, KS
913-780-7160
http://schools.olatheschools.com/olathesouth/
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Front cover art work by:
Brandon Mills, Senior
Environmental Design, Olathe East
Courses that count in more than one category are printed in red. A student may not use the same course to count in more than one category.

### Key
- Available eLearning
- Grade 9 Course
- Kansas Board of Regents Qualified Admission Credit
- Weighted Grade Credit
- 21st Century course

### Individual Focus: 6 Credits Minimum
The Individual focus credit category is identified for individual academic and career plan choices beyond courses required for graduation under the headings on pages 4 and 5. Students must obtain 6 CREDITS MINIMUM of INDIVIDUAL FOCUS courses. These courses may be within specific academic disciplines such as music or science, or may be a combination of courses to fit future plans such as a mix of courses in art, technology, Family and Consumer Sciences, business, etc.
Science (MSL) 3 Credits (MSP)

Life Science
Adv. Biotechnology: Cellular and Molecular Biology ❄️
Anatomy and Physiology 🍇
AP Biology △ ❄️
AP Environmental Science △ ❄️
Applied Biology Biology I ❄️
Biotechnology/Life Science Senior Project 🌟
Certified Nurse Assistant 🌟
College Biology Expanding Health Careers 🌟
Forensic Biotechnology 🌟
Foundations of Sports Medicine 🌟
Genetics and Biotechnology I & II ❄️
Honors Biology ✂️
Horticulture I & II ✂️
Intro to Exercise Science Marine Biology 🌟
Prevention, Treatment and Rehabilitation of Athletic Injuries 🌟
Sports Medicine Internship 🌟
Student Naturalist 🌟
Wellness & Rehab Clinic 🌟
ZooLOGY 🌟

Physical Science
A+E Capstone 🌟
A+E Chemistry 🌟
A+E Physics 🌟
AP Chemistry 🌟
AP/College Physics I 🌟
AP Physics II 🌟
Astronomy 🌟
College Chemistry 🌟
General Chemistry 🌟
Honors Chemistry 🌟
Lab Tech 🌟
Materials Science & Engineering Meteorology 🌟
Physical Science 🌟
Physical Science Investigations I Physics 🌟

Earth/Space Science
Adv. Geoscience I 🌟
Adv. Geoscience II 🌟
Aquatic Methods 🌟
Astronomy 🌟
Meteorology 🌟
Physical Oceanography 🌟

Technology 1 Credit (MTC)

Life Skills 2 Credits Total

Practical and Consumer Studies 1 Credit (LCS)

Physical Education/Health Education 1 Credit (LPH)

Career Preparation in Audio/Video 🌟
Certified Nurse Assistant 🌟
College Readiness 🌟
Communication Technology 🌟
Construction Trades I & II 🌟
Convergent Journalism I & II 🌟
Cross-Cultural Connections 🌟
Culinary Arts I & II 🌟
Culinary Preparation I & II 🌟
Design Essentials 🌟
Design Trends I & II 🌟
Design Studio I & II 🌟
Digital Design 🌟
Digital Effects 🌟
Digital Film 🌟
Digital Media Arts Studio 🌟
Digital Media Technology/Yearbook 🌟
Digital Publishing 🌟
Driver’s Education 🌟
Early Childhood Career Opportunities I & II 🌟
E-comm Internship 🌟
E-comm Studio I & II 🌟
Electronic News 🌟
Engineering Drawing/CAD II 🌟
Entertainment Essentials I & II 🌟
Entrepreneurship I & II 🌟
Environmental Design Studio I & II 🌟
Ethics 🌟
Exploring Animation 🌟
Exploring Health Careers 🌟
Exploring Video Production 🌟
Exploring Web Design 🌟
Foundations of Sports Medicine 🌟
Global Digital Advertising 🌟
Graphic & Communication Methods 🌟
Graphic Design Essentials II 🌟
Interative e-Commerce Web Applications 🌟
Interior Design I & II 🌟
International Business 🌟
Interpersonal and Family Relationships 🌟
Interpersonal Skills (Peer Mentor) 🌟
Intro to Animation 🌟
Intro to Built Environ. 🌟
Intro to Exercise Science 🌟
Intro to Industrial Tech 🌟
Intro to Law 🌟
Intro to Psychology 🌟
Lab Tech 🌟
Leadership 🌟
Studies I, II, III & IV 🌟
Marketing Applications 🌟
Media Production 🌟
Senior Project 🌟

1 Credit Required: PE Concepts .75 credit and Health Education .25 credit in grade 9.

P.E. Concepts/ Health Education ☘
Cheerleading 9/Health Dance Team 9/Health Sports Medicine Health and Physical Education ☘

Guided Enrollment Note: Prior approval is needed for graduation credit for alternative PE courses other than those listed above.
Olathe District Graduation Requirements:
A. College and career success requires careful planning and completion of rigorous coursework during all four years of high school. **All students take the ACT core curriculum: 4 English; 3 each of Math, Science and Social Studies.**
B. **Students must meet Olathe graduation requirements to be eligible to participate in the graduation exercises.** **EXCEPTION:** Seniors who transfer from other school districts and who have been on track to meet graduation requirements in their former school, but cannot meet the twenty-four (24) Olathe unit requirement, will be allowed to graduate with their class. The transfer student must meet the minimum requirements of the Kansas Department of Education.
C. Students should be advised that any credit earned after their eighth grade year will be counted as senior high credit. Example: Driver Education.
D. Students consult with their counselor and use resources such as Career Cruising to develop their individual four-year plan of study to meet grad requirements, interests, and college and career plans.
E. All credits from the center-based career and technical education courses offered at Olathe Advanced Technical Center (OATC), Olathe North, Olathe Northwest and Harmony/Heartland (see pages 42-45) are granted by the home high school.
F. All course credits will be issued on a semester basis. eAcademy Health and PE modules A, B, C are all still entered .25 each, by quarter.
G. The weighted grading system outlined on page 8 will be used to determine all Olathe student honors and distinctions.

**Post-High School College Admission**
Students planning to attend any two-year or four-year college need to know the admissions requirements for the individual institution so you are well prepared. Minimum grade requirements, test scores, academic courses, and school and community involvement are all factors critical in preparing students for post-secondary admission. Work with your counselor for assistance.

**Kansas Regents Admission Requirements**
Students applying to any of the six Kansas Regents universities listed on page 7 must meet specific admission criteria.

**Kansas Regents Qualified Admissions Criteria:**
Five of the six state universities in Kansas, including Emporia State University, Fort Hays State University, Kansas State University, Pittsburg State University, and Wichita State University, use the standards below to review applicants for undergraduate admission.

**Accredited High School**
If you are a Kansas resident who will graduate from an accredited high school you are guaranteed admission to five of the states universities by completing the Qualified Admissions or Kansas Scholars curriculum with a 2.0 GPA and by meeting one of the following requirements:
- ACT score of at least 21; OR
- SAT score of at least 980; OR
- Graduate in the top one-third of your class.
If you enroll in college courses while you are in high school, it is also required that you achieve a 2.0 GPA or higher in those courses.

AND students must meet the ACT college readiness math benchmark (22 on ACT math subtest) OR 4 years high school math approved units, with one unit taken in the graduating year.

**Three units selected from the following:**
- Algebra I
- Geometry
- Algebra II
- Any course with Algebra II as a prerequisite. The fourth unit may be prescribed by the school district and must be designed to prepare students for college.

To qualify for admission to The University of Kansas as freshmen, students graduating from an accredited high school in Kansas must meet the following requirements:
- 2.0+ GPA in the Kansas Qualified Admissions curriculum and
- 3.0+ overall GPA and 24+ACT(1090+ SAT) or 3.25+ overall GPA and 21+ACT(980+SAT)
If applicable, achieve a 2.0 GPA or higher on any college credit taken in high school.

**Please Note:** District courses approved for Kansas Qualified Admissions Curriculum are coded on the chart for English, Math, Science, and Social Science in this document.

**English** - 4 approved units of English, one unit taken each year of high school, ½ unit may be Speech

**Natural Science** - 3 approved units from the following, one unit must be Chemistry or Physics:
- Biology
- Advanced Biology (2nd Year Biology)
- Earth Science
- Environmental Science
- Aerospace
- Marine Science
- Botany
- Microbiology
- Geology
- Astronomy
- Chemistry
- Physics
- Principles of Technology
- Physical Science
- Meteorology
- Genetics
- Zoology

**Math** - 3 approved units from the following:
- Algebra I
- Geometry
- Algebra II
- Any course with Algebra II as a prerequisite.

**Social Sciences** - 3 approved units
- Students must complete the following:
  - One unit of U.S. History
  - Minimum of ½ unit of U.S. Government
- Minimum of ½ unit from the following:
  - World History
  - World Geography
  - International Relations
- Approved courses from the following may be used to complete the requirement:
  - Psychology
  - Economics
  - U.S. Government (additional course)
  - U.S. History (additional course)
  - Current Social Issues
  - Sociology
  - Anthropology
  - Race and Ethnic Group Relations

**Electives** - 3 approved units from the following:
- English
- Math
- Natural Science
- Social Science
- Fine Arts
- Computer/Information Systems
- Foreign Languages
- Personal Finance
- Speech, Debate, Forensics
- Journalism
- Career and Technical Education
Kansas Regents Scholarships

As a Kansas high school graduate, you may be eligible for one of four state-sponsored scholarship programs:

- State Scholars Program
- Minority Scholarship Program
- Nursing Service Scholarship
- Kansas Teachers Scholarship

To be eligible for the State Scholars Program, you must complete all the required courses for the precollege curriculum (pages 6-7) plus an additional three units as follows.

Math - 1 additional unit; total of 4 units required
- In addition to Algebra I, Algebra II and Geometry, students are required to complete one unit of advanced mathematics selected from analytic geometry, trigonometry, advanced algebra, probability and statistics, functions, or calculus.

Foreign Language - 2 units required
- Students are required to complete two high school units in one foreign language.

Natural Science
- Students applying for a state-sponsored scholarship must take biology, chemistry and physics.

For specific information regarding Kansas undergraduate scholarships, see your counselor and/or go to: www.kansasregents.org.

Special Services

Olathe high schools provide comprehensive programming for students with special needs. It is a continuum of service options ranging from collaboration in the general education classroom to direct services provided in special service classrooms. Individualized services and programming are provided as directed by an Individualized Education Program (IEP). Team to students with learning disabilities, emotional and behavioral needs, sensory and physical needs, cognitive and developmental disabilities, speech/language needs, hearing and vision needs, and for students who are gifted. Placement in these programs/services is by Special Education action only.

For information regarding special education services, contact your high school administrator or the Special Services Office at 913-780-7006.

Resource Services

Resource services offer unique and specialized instruction to address goals and objectives established by a student’s IEP. Such services can be provided through direct service or collaborative services. Resource services may include, but are not limited to, instruction in the areas of educational performance, social/emotional needs, self-help, and transition needs.

Center-Based Resource Services

Center-based resource services offer unique and specialized instruction for students with developmental disabilities requiring intensive support. Such support is typically provided in a special education classroom, with an emphasis on the development of functional life skills.

Gifted Services

Gifted services offer unique and specialized instruction for students who are eligible and in need of such service. Gifted services are provided through the district’s Gifted program and include either direct and/or indirect service.

Related Services

Related services in many areas such as assistive technology, occupational and physical therapy, music therapy, adaptive physical education, speech and language therapy are available as determined by student’s IEP.

Admissions Info:

Contact the Office of Admissions at any Regents university for additional admissions information.

Emporia State University
http://www.emporia.edu

Pittsburg State University
http://www.pittstate.edu

Fort Hays State University
http://www.fhsu.edu

University of Kansas
http://www.ku.edu

Kansas State University
http://www.k-state.edu

Wichita State University
http://www.wichita.edu

ACT Preparation

Each high school may offer ACT test preparation content, either after school or embedded into core courses. Additionally the district offers a fee-based program, Prepworks, which provides students a twelve month license to participate in on-line ACT preparation. Prepworks information is available from counselors or the eAcademy website;

Planning Your Enrollment Choices

This handbook is presented by the Olathe high schools to the students and parents in Olathe Public Schools as a source of information regarding the courses of study and enrollment procedures of the schools. It describes the comprehensive course offerings available to high school students.

All of the courses offered at each high school are listed in this handbook. A description for each subject has been written so students are aware of the concepts to be instructed in each class.

The courses listed in this handbook are tentative offerings for the 2016-2017 school year. A course will be offered only if enough students enroll to warrant the class. Course offerings and the number of times a class is offered per year are determined by the number of student requests and staff availability. All classes will not necessarily be offered at all schools. The following pages provide a variety of options available to you in planning your high school course of study. Olathe High Schools offer students the opportunity to select their own courses each year. Teachers and counselors offer advice, but it is the student’s responsibility, assisted by his/her parents, to enroll in courses appropriate to post-high school plans.

Students who plan to apply to a selective university, military academy, or to a ROTC program are advised to seek information, understand admission criteria in planning their course of study, and work with their counselor.

We strive to provide the finest education possible and to offer a diversified, rigorous, and relevant curriculum. We ask students and parents to accept the responsibility of making careful and wise decisions. The teachers, counselors, and administrative staff of Olathe High Schools are ready to assist all students in selecting a schedule that will fit individual needs and interests.

Students and their parents are encouraged to work in partnership with their counselor to utilize Career Cruising (www.careercruising.com) when developing their course selection and career/academic plans.

Please contact your counselor with questions.

Course/Program Options

Many course and program options are available for students as outlined on page 8-9. The Olathe Public Schools supports an Open Access philosophy supporting students desiring to take advanced course offerings such as honors, Pre-Advanced Placement (Pre-AP), or Advanced Placement (AP) classes. Students are encouraged to take the most challenging courses for which the student is capable. Additionally, students and parents can plan and pursue program and course options available to high school students. Student interests, career goals, abilities, and past learning successes guide course selection.

Weighted Grades

The high school grading system is reflective of a weighted grade system. Weighted courses represent the most rigorous learning standards and content requiring the highest level of student performance and time commitment. The weighted grade system is used to determine academic student honors and distinctions.

Note to students transferring from other districts: Olathe provides weighted credit only for advanced courses so designated by the Olathe weighting system.

Weighted Grades 9th & 10th Grade Students (2016-17)

A weighted grade can be attained for the courses below by achieving class grades of A, B, or C. All courses on the list below have an equal weighted grade value. The weighted grade formula is figured by using the standard grade point average and adding weighted value. The weighted value is computed by taking the number of weighted courses and dividing it by the number of semesters multiplied by seven: Weighted GPA = Standard GPA + # of Weighted Courses / 7(# of semesters)

- Pre-AP English I
- Pre-AP English II
- Adv. Algebra II
- Pre-Calculus
- AP Calculus AB
- AP Calculus BC
- Multivariable Calculus
- Linear Algebra
- AP Statistics
- AP Biology
- AP Chemistry
- AP Environmental Science
- AP/College Physics I
- AP Physics II
- Adv. Biotechnology: Cellular & Molecular II
- Pre-AP Modern World History
- Pre-AP Geography
- AP European History
- AP United States History
- AP US Government & Politics
- AP Psychology
- AP French V
- AP Spanish V
- German IV
- Japanese IV
- AP Studio Art: 2-D Design
- AP Studio Art: 3-D Design
- AP Studio Art: Drawing
- AP Music Theory
- Honors Adv. Debate

Weighted Grades 11th & 12th Grade Students

Grade weighting is applied to the courses below for class grades of A, B, or C. The weighted grade system allows for a cumulative grade point average (GPA) of 5.0.

Note: Weighting varies by course; all courses earn .05 extra grade points per semester except as noted below.

- AP English Language & Composition
- AP English Literature & Composition
- Pre-Calculus
- AP Calculus AB
- AP Calculus BC
- Multivariable Calculus
- Linear Algebra
- AP Statistics
- AP Biology
- AP Chemistry
- AP Environmental Science
- AP/College Physics I
- AP Physics II
- Pre-AP Modern World History .025
- Pre-AP Geography .025
- AP European History
- AP United States History
- AP US Government & Politics
- AP Psychology
- AP French V
- AP Spanish V
- German IV
- Japanese IV
- AP Studio Art: 2-D Design
- AP Studio Art: 3-D Design
- AP Studio Art: Drawing
- AP Music Theory
Advanced Placement

Advanced Placement (AP) is an internationally recognized standard of academic excellence that provides the following benefits to students:

- AP curricula have been successfully mastered by students who are hard-working and dedicated to excellence and typically rank in the upper 25 percent of their class.
- AP can enhance a student's opportunities for scholarships and career possibilities.
- AP can enhance the student's opportunities to receive admission into recognized universities and post-secondary programs.
- AP can reduce college costs and the time required to obtain a degree by providing post-secondary credit for courses and examinations completed successfully in high school. AP exams are given in May and scored by the Educational Testing Service. Students are encouraged to take AP exams to demonstrate successful AP course completion.

Note: Pre-AP, Honors, and Advanced coursework provides a critical alignment with AP course success. Advanced Placement (AP) exams are strongly encouraged. Each college or university determines which AP examination/score will be accepted.

21st Century Programs

Entering 9th graders are eligible to apply to 21st Century High School transfer programs: Olathe East Environmental Design; Olathe North Geosciences, Life Sciences, Animal Health, Sports Medicine/Exercise Science, and Distinguished Scholars; Olathe Northwest Aerospace+Engineering and e-Communication; Olathe South Computer and Software Engineering (CaSE), Olathe East and Olathe South host site-based programs: OlaTHE LEADERShip (OE) and Professional Careers Academy (PCA)(OS).

All 21st Century High School Programs offer:

- opportunity to earn a transcript endorsement
- rigorous, relevant academics based on specific interests
- opportunities to work with career experts
- project-based learning/assessment
- pre-professional experiences in a variety of venues

Students may begin exploring their interest in a 21st Century Program during 8th grade year through the career expo tours, open houses, and information sessions provided by the various programs. Additional information is also available from a variety of sources including: middle and high school counselors, the district website, http://21stcentury.olatheschools.com and/or the specific high school where a program is located.

Dual Credit Courses-College Now

10th-12th graders have the opportunity to take academic courses in high school which have been identified by the school district and Johnson County Community College as College-Equivalent Courses (College Now). All College Now students must have attained required ACT scores or JCCC Placement Exam scores to enroll for JCCC credit. Required scores are listed in individual course descriptions. Upon payment of specified tuition and fees and successful completion of a course, college credit can be earned. Only students admitted to designated college equivalency courses can apply for this college credit option. Course availability may vary by high school.

JCCC will charge an amount not to exceed that charged to any student as tuition for enrolling in similar campus-based courses. No additional charge beyond those authorized for high school rental fees and materials used for classroom activities will be made.

Enrollment information will be distributed in all high school courses designated as college credit classes. Contact your school counselor for more information.

Quick Step

10th-12th graders may enroll in courses at Johnson County Community College in the Quick Step program. Quick Step is for high school students who want to enroll in classes on the JCCC campus. Students interested in the Quick Step program should contact their counselor for enrollment procedures and Quick Step information. Specific guidelines apply to this dual credit procedure. Contact your school counselor for more information.

www.jccc.edu/admissions/high-school/quick-step/index.html

JCCC/Career Pathways/Articulated Credit

Articulation provides a non-duplicative sequence of progressive classes maximizing the use of resources and minimizing duplication in educational programming. Students may progress directly from Olathe's high school career pathways by applying for JCCC advanced standing credit. The form for advanced standing credit and Olathe's articulation agreements are available at the JCCC website at www.jccc.edu/career-pathways.

- AV Communications
- Visual Arts
- Programming and Software Development
- Web and Digital Communications
- Engineering & Applied Mathematics
- Production
- Construction
- Design and Pre-Construction
- eAcademy

Virtual Learning courses use online technology to deliver and extend learning for 9th through 12th grade students living in the Olathe Public Schools' boundaries, including home schooled and homebound students. A limited selection of online courses is offered in the fall or spring semesters with some courses offered during summer session. Courses that are offered online are indicated in each content area's course matrix in the Program Planning Guide in the column labeled "eLearning". Successfully completed courses can count as credit toward graduation. Students should see their high school counselor for approval to enroll in online courses. More information is found at http://eacademy.olatheschools.com.
Are You Possibly a College-Bound Student-Athlete?
High school student-athletes considering any possibility of playing a sport collegiately need to take course selection, grade point average (GPA), and test score requirements very seriously. The process starts immediately through enrollment in ninth grade coursework. It is wise for student-athletes to be prepared for future opportunities by tracking their coursework and GPA each semester. Support for this process is critical through collaboration with the student, family, counselor, coaches, and Athletic Directors. Students and parents need to refer to NCAA (www.eligibilitycenter.org) and NAIA (www.playnaia.org) website resources for current guidelines.

The following information provides an overview of collegiate eligibility regarding core course selection, GPA, and test scores.

High School Eligibility for Participation in School-Sponsored Activities/KSHSAA
Information regarding participation in KSHSAA activities and athletics appears on the KSHSAA physical form or see your Athletic/Activities Director.

NCAA Division I and II Initial-Eligibility Requirements:
Division I and Division II Core Courses: 16 core courses in high school are required for any student first entering a Division I or Division II college or university. Courses selected from the district list must be NCAA-approved core courses from your high school’s list. The list for your high school is located at the NCAA Eligibility center’s website (www.eligibilitycenter.org).

<table>
<thead>
<tr>
<th>Division I</th>
<th>16 Core Courses:</th>
<th>1 year of additional English, mathematics or natural/physical science</th>
<th>Division II</th>
<th>16 Core Courses:</th>
<th>3 years of additional English, mathematics or natural/physical science</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 years of English</td>
<td>3 years of mathematics (Algebra I or higher)</td>
<td>2 years of social science</td>
<td>3 years of English</td>
<td>2 years of mathematics (Algebra I or higher)</td>
<td></td>
</tr>
<tr>
<td>2 years of natural/physical science (1 year of lab if offered by high school)</td>
<td></td>
<td>4 years of additional courses (from any area above, foreign language or nondoctrinal religion/philosophy)</td>
<td>2 years of social science</td>
<td>4 years of additional courses (from any area above, foreign language or nondoctrinal religion/philosophy)</td>
<td></td>
</tr>
</tbody>
</table>

NCAA Division I Eligibility: The chart below outlines Division I changes for the class of 2016 and beyond.

<table>
<thead>
<tr>
<th>Core Course Completion</th>
<th>Division I</th>
<th>16 Core Courses</th>
<th>10 of 16 courses completed prior to the start of the senior year</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>-7 to 10 must be English, Math, Science</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>-Grades from 10 courses are “locked in” prior to start of senior year</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>-Any retakes of the 10 courses must be completed prior to the senior year</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Grade Point Average (GPA)</th>
<th>Only Core Courses: 2.3 minimum GPA (English, Math, Science, Social Science and Foreign Language)</th>
</tr>
</thead>
</table>

| Test Scores* | Division I uses a sliding scale to match test scores and core GPA. Please see your counselor, athletic director, and the NCAA website (www.eligibilitycenter.org) for the appropriate sliding scale document. |

NCAA Division II
- **GPA:** Core GPA is a minimum of 2.00
- **Test Scores*: SAT or ACT
  - minimum SAT score of 820 (NCAA includes only the critical reading and math sections; writing section of SAT is not used)
  - minimum ACT sum score of 68 from the following four sections: English, Mathematics, Reading and Science

*Test Scores for Division I and II: When you register for the SAT or ACT, use the NCAA Eligibility Center code of 9999 to ensure all SAT and ACT Scores are reported directly to the NCAA Eligibility Center. Test Scores that appear on transcripts will not be used.

NAIA Eligibility
The NAIA Eligibility Center is responsible for determining the NAIA eligibility of first-time student-athletes. Any student playing NAIA sports for the first time must meet the eligibility requirements. Students must have their eligibility determined by the NAIA Eligibility Center, and all NAIA schools are bound by the Center’s decisions. Students interested in participating in athletics at an NAIA institution are required to satisfy two of the following requirements.
- **Test Scores:** Achieve a minimum of 18 on the ACT or 860 on the SAT
- **GPA:** Achieve a minimum overall high school GPA of 2.0 on a 4.0 scale
- **Class Rank:** Graduate in the top half of your high school class

Students who have completed their junior year of high school with an overall 3.00 GPA on a 4.0 scale, plus the minimum test scores required (18 ACT or 860 SAT), may receive an eligibility decision early in the senior year. Go to (www.playnaia.org) for additional information.
Students enrolled in these classes develop skills in visual communication, original thinking and creative self-expression. The classes involve viewing and discussing artworks and producing art with a variety of media.

### Arts-Visual

<table>
<thead>
<tr>
<th>CRN</th>
<th>Course</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR 410</td>
<td>Drawing I</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>.5</td>
</tr>
<tr>
<td>AR 420</td>
<td>Drawing II</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>.5</td>
</tr>
<tr>
<td>AR 430</td>
<td>Drawing III</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>.5</td>
</tr>
<tr>
<td>AR 440</td>
<td>Drawing IV</td>
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The courses below are part of Olathe’s 21st Century Programs. Reference pages 46, 50, 51 and 54.

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**Drawing I**  
AR 410 .5 Credit  All Grades  
This course is an introduction to drawing and serves as a foundation for other art courses. The course content includes one point perspective, two point perspective, ellipses, cylinders, value, shading, observation, imagination, color, and composition. Media include pencil, ink, and charcoal. The subject matter includes still life subjects ranging from plants, glass, and stone to drapery. There will be an emphasis on drawing from real life. Supplemental experiences will include artists and their works, media demonstrations and exhibiting art works.

**Drawing II**  
AR 420 .5 Credit  All Grades  
**Prerequisite: Drawing I.** This course is an introduction to color theory and is a foundation for drawing III/IV. The course content includes one point perspective, two point perspective, ellipses, cylinders, value, shading, observation, imagination and composition. Media include pencil, ink and pastel. The subject matter includes still life subjects ranging from plants, glass, and stone to drapery. There will be an emphasis on drawing from real life. Supplemental experiences will include artists and their works, media demonstrations, and exhibiting art works.

**Drawing III**  
AR 430 .5 Credit  Grades 10-11-12  
**Prerequisite: Drawing I & II.** This course includes solving complex problems through research and exploration of ways and means of drawing including color, form, contour and value drawing. Students will document their research and idea development in a drawing journal. A wide variety of media will be explored. The subject matter is derived from problems that require research and critical thinking to produce visual solutions. Supplemental experiences will include artists and their works, matting, exhibiting, and introduction to printmaking.

**Drawing IV**  
AR 440 .5 Credit  Grades 10-11-12  
**Prerequisite: Drawing I, II & III.** This course includes solving complex problems through research and exploration of ways and means of drawing including color, form, contour and value drawing. Students will document their research and idea development in a drawing journal. A wide variety of media will be explored. The subject matter is derived from problems that require research and critical thinking to produce visual solutions. Supplemental experiences will include artists and their works, matting, exhibiting, and introduction to printmaking.

**Basic Digital Photography**  
AR 455 .5 Credit  All Grades  
This is an introduction to the concepts, tools and technology of digital imaging for photographers. Students will learn digital technology, including digital cameras and imaging software, and will use their knowledge to produce, create, and/or manipulate images for commercial and/or artistic applications.

**Advanced Digital Photography**  
AR 465 .5 Credit  Grades 10-11-12  
**Prerequisite: Basic Digital Photography.** This course covers advanced photography skills with an emphasis on craftsmanship, problem solving, and visual communication. Further emphasis is placed on the development of the student's ability to apply creative thinking and contemporary techniques in executing meaningful and effective photographs. Students will also experience traditional photographic techniques and vocabulary.

**Ceramics**  
AR 490 .5 Credit  All Grades  
Ceramic art explores materials and their relation to the various methods of forming clay. Projects may include wheel-thrown ceramics, extruded, modeling, and slab methods.

**Advanced Ceramics**  
AR 500 .5 Credit  Grades 10-11-12  
**Prerequisite: Ceramics.** This course emphasizes personal expression of clay forms. Students will explore advanced processes, clays, glazes, and firing methods. Experimentation and craftsmanship are integral parts of this course.

**Painting**  
AR 530 .5 Credit  Grades 10-11-12  
**Prerequisite: Drawing I.** This course will incorporate acrylic, oil, and watercolor. It will emphasize the study of color, the application of paint to different surfaces, the use of media with different types of paint, and the methods of mixing paints. Emphasis will be on painting from direct observation.
Jewelry/Metals AR 565 .5 Credit Grades 10-11-12
This course is an introduction to the fundamentals of jewelry-making and metalsmithing. Studio experience will lead to competence in basic techniques of working with metals and other materials. Processes may include hand construction, fabrication, soldering, molding, or casting. Supplemental experiences may include the study of the history of metalsmithing, artists and their works, exhibition and gallery visits. Emphasis will be placed upon developing student’s creative thinking to form meaningful solutions to contemporary problems.

Sculpture AR 570 .5 Credit All Grades
Sculpture is an introduction to the concept of form in three dimensions. Studio experience may incorporate a variety of media into the sculptural form. Supplemental experiences may include the study of artists and their works, exhibition, gallery visits, examination of interdisciplinary relationships, and making connections between sculpture and real life experience.

AP Studio Art: 2-D Design AR 580A/B 1 Credit Grades 10-11-12
AP Studio Art: 3-D Design AR 581A/B 1 Credit Grades 10-11-12
AP Studio Art: Drawing AR 582A/B 1 Credit Grades 10-11-12

Prerequisite: Basic and Advanced levels of concentration area (Drawing, 3D or 2D/Photography). These classes are for the very serious and individually driven student who is intent on pursuing an art or design-related course of study. Students will complete a portfolio in their area of concentration as a part of this class. Guided Enrollment Note: Teacher permission recommended. A maximum of 1.0 weight may be credited for each original AP Studio Art course.

Advanced Studio Art II AR 585A/B 1 Credit Grades 10-11-12

Prerequisite – AP Studio Art: 2-D Design, AP Studio Art: 3-D Design, or AP Studio Art: Drawing. Designed for students who have completed a full year of AP Studio Art in a specific area of concentration (2-D-Design, 3-D Design, or Drawing) and have received 1.0 weighted credit, but desire to re-enroll in that same class to complete their portfolio. Guided Enrollment Note: Teacher permission recommended.

Art History AR 850E .5 Credit Grades 10-11-12
This art history course is offered only online. It includes a detailed discussion of the elements and principles of art and how they are used to examine artworks. Artists, their work, and the cultures in which they were created are examined from ancient times to present.

Photojournalism LA 470 A/B/P 1 Credit All Grades
Prerequisite: Basic Digital Photography. The primary focus of this class is to provide instruction and opportunities for the student wanting to develop his/her photography skills and/or to pursue journalism via photography. The products from this class will be published in the school newspaper, the newspaper’s and school’s webpages, and the school yearbook; competition opportunities will also be available.

Fine and Performing Arts Senior Independent Study PA 900 .5 Credit Grades 12
This course is designed for students who are working with an instructor to complete a senior culminating project in a chosen arts area (music, theatre, or visual art). Guided Enrollment Note: Instructor recommendation and approval required.

Digital Design AR 612 .5 Credit All Grades
Combine art and design skills with the latest in graphic software to create new and fantastic imagery. This course will teach students how the basic elements and principles of art and design work with the latest in digital media software like Photoshop, Illustrator, and Flash to become the artist’s tools for the 21st century.

Introduction to Animation AR 643 .5 Credit All Grades
Explore the entertaining world of animation for film, television, web, and interactive entertainment using everything from basic drawing tools to the latest in graphics and animation software. Learn character design, story development, communication, and animation principles, while exploring the careers of production design, 2D & 3D animation, and motion graphics!

3-D Modeling and Dimensional Design AR 647 .5 Credit All Grades
Using 3-D modeling software and other digital tools, learn to create fantastic characters, vehicles, buildings, and interactive environments. Animation and gaming only scratch the surface for the many uses of 3-D modeling including architecture, industry, medicine, military, advertising and much more.

Global Digital Advertising AR 657 .5 Credit All Grades
Students will produce projects that explore the bond between images and the world of advertising. Symbols, posters, add layouts, print media, and motion graphics are all explored with a focus on promoting products to a global economy. Students will work with a wide variety of digital tools to create eye-popping promo materials.

3-D Animation Design AR 672 .5 Credit All Grades
Use 3-D animation software and other graphics tools to tell your story! Learn character and story development, animation principles, and sound and editing skills. Design your animations for film, television, and video games. Impress your friends, family, and future boss as your ideas come alive in 3-D!

Digital Effects AR 677 .5 Credit All Grades
Seeing is believing and you can make anything happen in the world of Digital Effects. Using animation, graphics, and compositing software, you will create imagery never dreamed of with just a cell phone camera. Create fires, floods, tornados, avalanches, crashes, and explosions. Make your friends disappear, or give them super-hero powers. Even create massive monsters that destroy cities. Using a combination of real film and computer generated animation, you will learn the skills and techniques to create jaw-dropping digital effects. If you can dream it, you can do it.
## Business and Computer Studies

Business and computer courses are a key to preparing students for the roles they will be assuming in today’s society.

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Business Essentials

**BU 500P**

**.5 Credit**

**Grades 9-10**

Business Essentials is designed for the student who seeks an introduction to business, marketing, and management. Students will develop the skills necessary to succeed in the business environment by studying forms of business ownership, functions of management, budgeting and finance, accounting, business communications, law, marketing, and economics. It is appropriate for any student interested in Entrepreneurship and owning their own business.

**Personal & Financial Management**

**HE 450P**

**.5 Credit**

**Grades 10-11-12**

This course provides practical information and teaches essential skills as students transition to independent living whether a dorm, apartment, or home ownership. These topics will be explored; career & lifestyle management, financial management, planning & money management, credit & debt, risk management, and saving & investing. Activities will focus on students making decisions that will assist them with living on their own.

**Entrepreneurship I**

**BU 520P**

**.5 Credit**

**Grades 11-12**

Recommended: Previous or concurrent enrollment in a business course. This course is designed to teach the student the basic principles and practices of owning a business. Students will learn about planning, organizing, controlling, problem-solving, and decision-making as it relates to owning a small business. Students will explore the free enterprise system through a combination of case studies, group work and speakers.

**Entrepreneurship II**

**BU 525 (1.0)/527 (.50)**

**.5-2 Credits**

**Grades 12**

Prerequisite: Entrepreneurship I or teacher recommendation. This 12th grade capstone course allows students to follow 1 of 2 possible strands: 1) mentoring with an existing entrepreneur, 2) launching a business.

**Marketing Applications A Sem 1/B Sem 2**

**BU 531P/532P**

**.5 Credit**

**Grades 11-12**

Prerequisite: A business course or concurrently enrolling in a business course. Do you like to be in charge? Management skills are in high demand no matter what profession you choose. This course provides useful knowledge of a variety of management functions. Included are units on personal management skills, types of business ownership, human resource, operations management and career explorations. Guided Enrollment Note: Students may enroll in Semester 1 or Semester 2 or full year.

**Introduction to Law**

**BU 540**

**.5 Credit**

**All Grades**

This is an introductory course designed to inform individuals of their rights and obligations in business and personal dealings. Included are units on criminal and civil law, law for the minor, courts and trials, and contracts. To help the student gain a better understanding of the law, actual case studies will be used to explain specific points. A mock trial, videos, guest speakers, and possible field trips are also part of the course.
### Business and Computers

#### Principles of Marketing I
**BU 546P**  
*.5 Credit  
All Grades

Students will gain experience and knowledge in the field of Marketing. Topics include market planning, promotion, selling and product management. Project-based learning and virtual business software provide the students with authentic learning opportunities.

#### Principles of Marketing II
**BU 547P**  
*.5 Credit  
Grades 10-11-12

In this advanced marketing course, students will increase their knowledge in promotional and selling strategies as well as learning pricing, distribution and marketing research. Throughout this course students will be able to create projects and compete at the local, state and national levels.

#### Accounting I
**BU 560P**  
*.5 Credit  
All Grades

This is the first in a sequence of three courses that are a must for those who intend to pursue careers in business. Accounting is the language of business and will be required of anyone attending a business school or pursuing a major or minor in business in college. This course provides a good foundation for future success at the college level as well as many benefits for personal use.

#### Accounting II
**BU 565P**  
*.5 Credit  
All Grades

**Prequisite: Accounting I.** Accounting II reviews the basic concepts learned in the first semester and expands into areas of payroll, special journals, cash register systems, uncollectible accounts, and depreciation. Computers are utilized in the course to reinforce accounting cycle knowledge and give students a realistic view of how many businesses perform accounting tasks. A computer simulation will be completed in the course.

#### Accounting III
**BU 570**  
*.5 Credit  
Grades 11-12

**Prequisite: Accounting I and either Accounting II or Advanced Accounting.** This is an advanced course covering partnership and corporation accounting. This is for the serious accounting student. If you are interested in majoring in accounting or business in college, this course is highly recommended. Computers are utilized in the course to reinforce accounting cycle knowledge and give students a realistic view of how many businesses perform accounting tasks. Computers and business simulations will be utilized in addition to the text.

#### International Business
**BU 680**  
*.5 Credit  
Grades 11-12

This course provides an introduction to the field of international business. Topic studies include: national economic and cultural differences, international trade policies and institutions, international monetary system, global competition, current international business trends and developments.

### Computer Studies

#### Computer Essentials
**CP 410P**  
*.5 Credit  
All Grades

Students will acquire digital literacy skills essential for success in high school, college, and today’s jobs. Particular emphasis will be on formatting documents and enhancing advanced word processing, spreadsheet, and presentations skills. The importance of merging these formats and using electronic research skills, electronic communication skills, and the ethics related to these will also be emphasized through the completion of projects.

#### Digital Media Design & Production
**CP 420P/CP 421P**  
1 Credit  
Grades 11-12

**Prerequisite: LA 820P/LA 821P Convergent Journalism I & II or LA 840P/LA 841P Digital Media Technology: Yearbook.** A technology credit nested within LA 820P/LA 821P or LA 840P/LA 841P available for veteran 10th, 11th or 12th grade staff members. Required approval from instructor prior to enrollment.

#### Publications & Presentations
**CP 445P**  
*.5 Credit  
All Grades

Students will gain advanced knowledge and skills in word processing and presentation software applications as well as get an introduction to desktop publishing and page layout design. They will also become familiar with multiple Web 2.0 applications. Integrated projects will be completed to help students relate their learning to real-world situations.

#### Computer Information Technology
**BU 620**  
*.5 Credit  
Grades 11-12

Skills will be developed in Microsoft Office Picture Manager, Internet searching, email, speech recognition, and interactive media/presentations (PowerPoint, Windows Movie Maker and Photo Story). Students develop advanced skills in business office procedures (time management, business travel, and calendaring). Desktop Publishing and Adobe PDF software will be used for document formatting, newsletters, advertisements, forms, and other business simulations. Students explore ethical and etiquette issues related to business, computer and the Internet. Job skills will be developed through on-line career exploration, application process, resume writing, and e-resumes. Students will become proficient with computers, scanner, video and digital cameras.

#### Graphic Design I
**CP 455P**  
*.5 Credit  
All Grades

Students will acquire knowledge of desktop publishing and page layout design skills. They will incorporate industry-standard desktop publishing software and graphics software as well as other digital media to create flyers, newsletters, brochures, and other publications. Students will create a portfolio of work created in the course.

#### Graphic Design II
**CP 458P**  
*.5 Credit  
Grades 10-11-12

**Prerequisite: Graphic Design I.** This course is a continuation of Graphic Design 1. Students will advance their knowledge and skills with page layout, as well as photo and image manipulation. Students will create basic computer-generated illustrations using a variety of techniques. Course topics include the ways in which visual messages are used in society, the skills needed by a graphic designer and the potential areas of specialization and employment. Students will continue to create a portfolio of work.
Web Design I  
**CP 553P  .5 Credit  All Grades**

A foundation of web design will be gained by learning HTML, the standard web coding language. Once this is established, they will transition to learn an industry-standard graphical user interface to develop and design web pages. Students will also learn how to make digital graphics. Students will incorporate all these, in addition to some basic JavaScript to create website projects. They will have the opportunity to present their websites on the internet.

Web Design II  
**CP 554P  .5 Credit  Grades 10-11-12**

**Prerequisite: Web Design I.** Students will continue the development of their web designing skills by using industry-standard web development software. Students will learn to use good navigation design and ease-of-use principles while developing projects for the web. Graphic design skills as they relate to the web will also be studied. Websites will be created incorporating all the skills learned in this course.

Web Design III  
**CP 558  .5 Credit  Grades 11-12**

**Prerequisite: Web Design I and Web Design II.** Web design skills will be used to create advanced websites using CSS formatting, libraries and snippets. Students will also learn about industry-standard software for animation and video creation for the web. Students will create advanced websites that can be presented via the internet.

Fundamentals of Programming  
**CP 503P/CP 504P  .5 Credit  All Grades**

Students will learn basic programming concepts using animation, simulation and game design with Alice and Greenfoot, which are graphics based programs. In Alice, programming code is dragged and dropped. In Greenfoot, Java code is written by students. Because it is created in a graphics environment, students can immediately see what their code is doing. These programs were designed to aid in programming concept formation. **Guided Enrollment Note:** 10-12th grade students enrolled in this class may enroll for dual credit through JCCC/College Now.

Java  
**CP 530P  .5 Credit  Grades 10-11-12**

**Prerequisite: Successful completion of Fundamentals of Programming.** Using the Java programming language, the student will focus on structured programming techniques, proper program design and object-oriented programming concepts and skills.

Advanced Java Programming  
**CP 532P  .5 Credit  Grades 11-12**

**Prerequisite: Successful completion of Java CP 530P.** This course is designed for the student who plans to enter the programming field as a career. Students must be able to work independently, be highly motivated, and be able to solve problems as a team. Students will continue to develop Java programming skills to develop algorithms to solve problems. Topics include use of Java libraries, arrays and streams, external files, methods, and further work with object-oriented programming concepts and skills. Ethical programming practices will also be discussed. **Guided Enrollment Note:** Students enrolled in this class may enroll for dual credit through JCCC/College Now.

C++ Programming  
**CP 535P  .5 Credit  Grades 10-11-12**

**Prerequisite: Successful completion of Fundamentals of Programming.** This course is the introductory course to the C++ programming language. The student will focus on structured programming techniques, proper program design and object-oriented programming concepts and skills. Topics include basic object-oriented programming, events, logic structures and simple input/output techniques.

Advanced C++ Programming  
**CP 540P  .5 Credit  Grades 11-12**

**Prerequisite: Successful Completion of C++ Programming.** This course is designed for the student who plans to enter the programming field as a career. Students must be able to work independently, be highly motivated, and be able to solve problems as a team. Students will continue to develop C++ programming skills to develop algorithms to solve problems. Topics include use of C++ libraries, arrays and streams, external files, methods, and further work with object-oriented programming concepts and skills. Ethical programming practices will also be discussed. **Guided Enrollment Note:** Students enrolled in this class may enroll for dual credit through JCCC/College Now.

The following course is available at Olathe North.

Digital Media Arts Studio  
**CP 443  .5 Credit  Grades 11-12**

**Offered at Olathe North only.** Time to create! Choose one of several pre-planned modules to independently explore your own ideas or prepare for the future. Options include post-secondary exploration, demo reel development, portfolio preparation, internship, community service, and cross-discipline cooperative projects. The choice is yours, and the tools, labs, and guidance are at your service. See where your imagination and skill can take you! **Guided Enrollment Note:** Requires instructor approval to enroll in this class.
Family and Consumer Sciences combine high-level academics and technical skills with hands-on learning that maximizes present and future academic and career success.

**Human Services** courses focus on child development, family relationships and nutrition/wellness that relate to families and individual needs.

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**Restaurant and Event Management** courses focus on culinary skills as well as management, marketing and operations of the hospitality industry.

**Visual Design** courses focus on fashion, interiors, textiles and other design related skills.

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Grade Requirement
Human Services

Career and Life Planning

*HE 408P*  .5 Credit  Grades 9-10

Career & Life Planning is designed for students who may be interested in careers in family and community services. Whether that future career is as a social worker, counselor, day care director, dietician or financial advisor, this course introduces the skills, knowledge, attitudes and behaviors necessary to be successful in the Human Services career pathway.

Parenting and Child Development

*HE 410P*  .5 Credit  Grades 10-11-12

This course provides students with an understanding of the aspects of human growth and development. Parenting skills are developed as positive guidance techniques and child related issues are studied. Learning activities, observation techniques, and lab experiences in working with young children may be included. Content includes pregnancy, stages of prenatal development, and the physical, intellectual, social and emotional development of the infant and young child. This course is designed to strengthen parenting and guidance skills, positive family relationships, safety, and health practices. Students will learn to evaluate child care services and to explore careers related to young children.

Interpersonal and Family Relationships

*HE 420P*  .5 Credit  Grades 11-12

Course topics include self-identity, parent/teen conflicts, teen relationships, sexual decision-making, lifestyle choices, marriage relationships, and growing older. Special emphasis is placed on coping skills for personal crisis management: to include stress, suicide, early pregnancy, substance abuse, domestic violence, acquaintance rape, divorce, and death in the family.

Personal & Financial Management

*HE 450P*  .5 Credit  Grades 10-11-12

This course provides practical information and teaches essential skills as students transition to independent living whether a dorm, apartment, or home ownership. These topics will be explored; career & lifestyle management, financial management, planning & money management, credit & debt, risk management, and saving & investing. Activities will focus on students making decisions that will assist them with living on their own.

Community Connections

*HE 471P*  .5 Credit  Grades 12

Community Connections is the first of two application level courses for students who are interested in Human Services careers. College- and career-readiness skills are the primary focus of this capstone course, with emphasis on Family & Community Services professions. Students develop a portfolio with a resume, job interview, and community service experience. Students will participate in off-campus community service work within human services agencies.

Career Connections

*HE 472P*  .5 Credit  Grades 12

Career Connections is the second of two application level courses for students who are interested in Human Services careers. Students will develop early-career skills through an internship (paid or unpaid) with a local human services agency. A career portfolio will be developed through on-campus learning modules and off-campus service work. Guided Enrollment Note: Enrollment requires approval by Human Services instructor.

Nutrition & Wellness

*HE 610P*  .5 Credit  All Grades

This course is designed to give students practical applications for health and well-being. The students will have the opportunity to study all types of diets, nutrition information, and a wide variety of exercise programs. They will develop a sensible, healthy program they can use for lifetime weight control. This class may be team taught by a Family and Consumer Sciences teacher and a Physical Education teacher. Guided Enrollment Note: This class is a requirement for the Sports Medicine endorsement.

The following program is available at Harmony or Heartland early childhood centers to all Olathe students attending any of the four Olathe High Schools. See the Technical Education section beginning on page 42.

ECCO I VE 411X

Orientation/Foundations to Early Childhood Development

*VE 411P/412P*  2 Credits  Grades 11-12

Early Childhood Career Opportunities I (ECCO I) is for the student who is interested in learning about young children and who wishes to work with preschoolers in an education setting. Students are introduced to careers in the field of early childhood education. Three days of the week, high school students assist with planning and implementing learning activities with children in the preschool classroom. The other two days, high school students plan and prepare for the preschooler and study related topics such as: growth and development, health and safety, working with children with special needs, and child care and education career opportunities. Guided Enrollment Note: This course is taught at Heartland or Harmony Early Childhood Centers.

ECCO II VE 421X

Functions/Applications in Early Childhood Development

*VE 421P/422P*  2 Credits  Grade 12

Prerequisite: ECCO I. ECCO II is designed for seniors who completed ECCO I and who want to explore additional aspects of the early childhood profession. In ECCO II, students apply the information they learned in ECCO I in various preschool and early primary classrooms within the Olathe District. Students develop a professional resume and portfolio. Workshops and seminars on effective teaching strategies, child development, and other aspects of effective instruction are included in the coursework. Guided Enrollment Note: INDIVIDUAL TRANSPORTATION REQUIRED.

Restaurant & Event Mgmt

Baking and Food Science

*HE 550P*  .5 Credit  All Grades

This course will prepare students for careers or post secondary programs related to the baking and pastry culinary business and industry. The student will apply the knowledge and skills of how basic ingredients function, baking/pastry vocabulary, and mixing techniques to produce baking/pastry products based on industry standards. Using commercial-grade equipment, students will develop skills in basic bread and pastry techniques to produce breads, muffins, biscuits, pies, cakes, pastries, and specialized desserts. The attention to detail and artistic flair are key skills that begin to develop during this class. This class is a strongly recommended course for the Culinary Arts program.
**Family and Consumer Sciences**

### Culinary Preparation I

**HE 560P .5 Credit All Grades**

This course is the first of a series that will prepare students for careers in the hospitality industry. Students will develop skills in safety and sanitation and basic techniques required in food preparation. This class is a strongly recommended course for the Culinary Arts program.

### Culinary Preparation II

**HE 570P .5 Credit Grades 11-12**

**Prerequisite: Culinary Preparation I and Baking and Food Science.** Students will learn creative cooking techniques designed to serve foods with a flair. There is an added emphasis on gourmet specialties, garnishes, international cooking, and entertaining.

The following program is available at Olathe North to all Olathe students attending any of the four Olathe high schools. See the Technical Education section beginning on page 42.

#### Culinary Arts I VE 341X

**Culinary Arts I/Baking & Pastry II VE 341P-344P 3 Credits Grades 11-12**

**Culinary Arts II VE 370X**

**Culinary Arts II/Event Plan & Mgmt/Culinary Applications VE 370P-375P 3 Credits Grade 12**

**Culinary Arts II**

**Prerequisite: Culinary Arts I.** This in-house Training program is for the student who has an interest in the culinary industry. Areas of interest include teamwork, decision making process, personal career skills, goal setting, leadership, business etiquette, conflict resolution, professional dress, communication, workplace ethics, career education, resume writing, finding and applying for a job, and interview preparation. The students have a monthly opportunity to manage their very own Culinary Restaurant. Upon completion of this course the student will be prepared for positions in the hospitality industry.

### Visual Design

#### Design Essentials HE 835P .5 Credit All Grades

Design Essentials is HIGHLY RECOMMENDED as the first course to introduce students to and expand upon the various aspects of the design industry. Concepts covered will include elements and principles of design, textiles, and production processes as well as provide a discussion and exploration of career opportunities.

#### Interior Design I HE 840P .5 Credit All Grades

Interior Design I is a course that will focus on the design industry with an emphasis on interior design concepts. Topics will include design history, accessories, application of design elements and principles, and drafting skills. Projects are integrated throughout the course to provide authentic applications in design basics, color, lighting, furniture styles and design.

#### Design Trends I HE 845P .5 Credit All Grades

Design Trends I will provide students an opportunity to explore and create floor plans, fashion sketches, and learn how to professionally present student work. Techniques may include portfolios, display boards, and a variety of other presentation styles.

#### Design Trends II HE 850P .5 Credit Grades 10-11-12

Design Trends II will provide students an opportunity to explore future trends in design and their effectiveness within a professional presentation while utilizing a variety of technology. Techniques may include the use of computer software programs, portfolios, display boards, and fashion show production.

#### Interior Design II HE 855P .5 Credit Grades 10-11-12

Interior Design II will prepare students for careers and/or post-secondary programs related to housing and the commercial design industry. Students will have the opportunity to explore and experience career options and create projects that focus on meeting a client’s needs and professional presentations.

#### Textile Design I/II HE 860P .5 Credit All Grades

Textile Design, which is divided into Textile Design I & II, will provide students with a true life, “project runway” experience. Students will learn construction techniques and garment design while working with teams of other students and individually to create design projects.

**Guided Enrollment Note: Textile Design I is a prerequisite for Textile Design II.**

#### Design Studio I/II HE 863P/HE 864P 1.0 Credit Grades 11-12

**HE 865P/HE 866P 2.0 Credit**

Design Studio is for the student who has an interest in the design industry. Areas of interest will offer an extended learning opportunity for students to apply communication, leadership, employability, cooperative learning, business etiquette, and professional presentation skills. Students will create a variety of studio projects, individually and in teams, to solve real-world, design industry problems. Credit may vary according to student and building needs. In order to enroll in Design Studio, a student must have completed 1 full credit within the Design program.
Students enrolling in an International Language class are empowering themselves to seek understanding of cultures and peoples in our local and world communities. It is imperative that all students have the opportunity to develop language proficiency and cultural skills in other languages in order to function successfully in the 21st century. Our students are offered the opportunity to meet new employment demands created by growing international travel and commerce by staying in the International Language program throughout their high school career.

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### International Languages

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<td>FL 410A/B</td>
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<tr>
<td>French I is the foundation course for the sequence of French I, II, III, IV, and AP French V in the high school. This class is designed for students who want to speak and use French as a foreign language, regardless of previous experience or exposure to the language. Students can expect to understand, speak, read, and write French in the context of ordinary, daily situations. Students study grammar and basic vocabulary, identify relationships between languages and cultures, and demonstrate an increasing awareness of the civilization and customs of the people of French-speaking countries. In order to promote consistent advancement of proficiency, much of this class is taught in French.</td>
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</table>

| **German I**            | FL 510A/B  | 1      | All Grades   |
| This course is designed to meet the needs of students who have had little or no experience in learning German as a foreign language. Students can expect to understand, speak, read, and write German in the context of ordinary, daily situations. Students study language structure and basic vocabulary, identify relationships between languages and cultures, and demonstrate an increasing awareness of the civilization and customs of the people of German-speaking countries. |

| **German II**           | FL 520A/B  | 1      | Grades 10-11-12 |
| Prerequisite: German I or equivalent competency. This course builds on the foundation from Level 1, recycles and expands on topics of ordinary, daily situations. Students continue their study of language structure and improve their skills in speaking, listening, reading, writing, and cultural awareness. Students will have the opportunity to take national and international proficiency exams. |

| **German III**          | FL 530A/B  | 1      | Grades 11-12  |
| Prerequisite: German II or equivalent competency. This course prepares the student to be able to converse, ask questions about familiar topics, and handle simple situations. Students will improve reading and writing skills as they are introduced to literary readings and historical events. Students develop a greater cultural awareness while expanding their study of German-speaking countries. Students continue their study of language structure, idioms and expanded vocabulary topics. In order to promote language proficiency, this class is taught primarily in German. Students will have the opportunity to take national and international proficiency exams. Guided Enrollment Note: Students enrolled in this class may enroll for dual credit through JCCC/College Now. |

| **German IV**           | FL 540A/B  | 1      | Grade 12      |
| Prerequisite: German III or equivalent competency. Students will be able to satisfy routine social demands in German as well as develop skill in a broader social context, in reading literature, learning about history and investigating the world of work. The study of advanced language structures and composition are important components of the class. Students will be required to sustain conversation and discussion in the target language and to enrich vocabulary, reading and writing skills through the use of authentic materials. This course is taught primarily in German. Students will have the opportunity to take national and international proficiency exams. Guided Enrollment Note: Students enrolled in this class may enroll for dual credit through JCCC/College Now. |

| **Spanish I**           | FL 610A/B  | 1      | All Grades    |
| Spanish I is the foundation course for the sequence of Spanish I, II, III, IV, and AP Spanish V in the high school. Students can expect to understand, speak, read, and write Spanish in the context of ordinary, daily situations. Students study grammar and basic vocabulary, identify relationships between cultures, and demonstrate an increasing awareness of civilization and customs of the people of Spanish-speaking countries. In order to promote language proficiency, much of this class is taught in Spanish. |

| **Spanish II**          | FL 620A/B  | 1      | All Grades    |
| Prerequisite: Successful completion of Spanish I or equivalent competency. This class is designed for students to have the opportunity to expand their skills in speaking, listening, reading, writing, and cultural awareness in order to communicate with proficient speakers in a culturally appropriate manner. Students continue their study of grammar, idioms, and expanded vocabulary topics. Active in-class participation is essential. In order to promote language proficiency, much of this class is taught in Spanish. |

| **Spanish III**         | FL 630A/B  | 1      | Grades 10-11-12 |
| Prerequisite: successful completion of Spanish II or equivalent competency. This class is designed for students to appropriately communicate in most simple social situations in Spanish. The student will be able to converse, ask questions, and successfully communicate about familiar topics in Spanish. Students continue the study of grammar, idioms and expanded vocabulary topics, and can expect to improve reading and writing skills. The use of authentic resources will enhance student awareness of cultural practices in Spanish-speaking countries. In order to promote language proficiency, this class is taught mostly in Spanish. |
**Spanish IV** FL 640A/B 1 Credit Grades 11-12

Prerequisite: Successful completion of Spanish III or equivalent competency. Students will be able to satisfy routine social demands in Spanish. Conversation skill is emphasized. Grammar review and composition are important components of the class. Students will be required to sustain conversation and discussion in the target language and to enrich vocabulary, reading and writing skills through the use of authentic materials. Students will continue to study linguistic structures. Writing and homework are frequent. This class is taught in Spanish. Guided Enrollment Note: Students enrolled in this class may enroll for dual credit through JCCC/College Now.

**AP Spanish V** FL 650A/B 1 Credit Grade 12

Prerequisite: Successful completion of Spanish IV or equivalent competency. Students will be able to demonstrate communication skills on varied topics. Grammar review and composition will prepare students for college-level Spanish. Students will be required to sustain conversation and discussion in the target language and to enrich vocabulary, reading and writing skills through the use of authentic materials. This class is taught entirely in Spanish. Guided Enrollment Note: Students enrolled in this class may enroll for dual credit through JCCC/College Now as well as take the AP Spanish exam. A “C” or better in Spanish IV is strongly recommended.

**Latin I** FL 710A/B 1 Credit All Grades

Students progress from simple passages to more complex myths and stories about Roman history and civilization. Word study is stressed to increase and enrich the student’s English vocabulary, spelling, and language skills. Learning the construction of Latin gives a more thorough understanding of English grammar. Guided Enrollment Note: This course is offered only at ONWHS and OSHS.

**Latin II** FL 720A/B 1 Credit Grades 10-11-12

Prerequisite: Latin I The second-year Latin course continues the in-depth study of reading and writing skills while emphasizing Latin’s cultural and historical impact on today’s world. Emphasis is placed on building reading comprehension and English vocabulary skills. Guided Enrollment Note: This course is offered only at ONWHS and OSHS.

**Latin III** FL 730A/B 1 Credit Grades 11-12

Prerequisite: Latin II The third-year course will concentrate on reinforcing and building on the acquired grammar, reading comprehension and writing skills in the Latin language. Reading selections will be used to enhance cultural awareness and diversity. Guided Enrollment Note: Students enrolled in this class may enroll for dual credit through JCCC/College Now. This course is offered only at ONWHS and OSHS.

**Japanese I** FL 740A/B 1 Credit All Grades

Students will master two of the three Japanese writing systems while building the communicative skills in reading, listening, writing and speaking while integrating important cultural and historical concepts. Class time is focused on the application of concepts and the development of interactive level-appropriate communication skills. Guided Enrollment Note: Japanese is a transfer program located at ONWHS.

**Japanese II** FL 750A/B 1 Credit Grades 10-11-12

Prerequisite: Japanese I or equivalent competency. Students will continue to develop communicative skills in reading, writing, listening and speaking while integrating important cultural and historical concepts. Class time is focused on the application of concepts and the development of interactive level-appropriate communication skills. Guided Enrollment Note: Japanese is a transfer program located at ONWHS.

**Japanese III** FL 760A/B 1 Credit Grades 11-12

Prerequisite: Japanese II or equivalent competency. Students will refine their communication skills through a variety of methods including authentic materials. Historical and contemporary Japanese topics will also be researched. Class time is focused on the application of concepts and the development of interactive level-appropriate communication skills. Guided Enrollment Note: Japanese is a transfer program located at ONWHS. Students enrolled in this class may enroll for dual credit through JCCC/College Now.

**Japanese IV** FL 770A/B 1 Credit Grade 12

Prerequisite: Japanese III or equivalent competency. Students will be able to engage in routine social interactions sustaining conversation and discussions in Japanese through various methods including the use of authentic materials. Historical and contemporary Japanese topics will also be further researched. Class time is focused on the application of concepts and the development of interactive level-appropriate communication skills. Guided Enrollment Note: Japanese is a transfer program located at ONWHS. Students enrolled in this class may enroll for dual credit through JCCC/College Now.

**Beginning American Sign Language** WW 710 .5 Credit All Grades

This is a beginning course that introduces fingerspelling, numbers, elementary vocabulary, and understanding the basics of American Sign Language (ASL) grammar structure. Deaf culture, history and causes of hearing loss are integrated throughout the curriculum while enhancing expressive and receptive communication skills in the target language through interactive skill-building activities, presentations, and games.

**Intermediate American Sign Language** WW 715 .5 Credit All Grades

Prerequisite: Successful completion of Beginning American Sign Language. This course builds upon skills developed in Beginning American Sign Language, extending students’ ability to understand and express themselves in American Sign Language (ASL) while increasing their vocabulary and speed. Course topics will include an in-depth look into ASL grammar, Deaf literature and Deaf culture.

**Spanish for Heritage Speakers** FL 635 A/B .5 Credit All Grades

This course is designed specifically for students who have already gained speaking and listening proficiency in Spanish in a home or other community setting or in previous school setting outside of the United States. Students will strengthen their reading and writing skills in Spanish through study and discussion of language structure, cultural and current events, and academic language. This class is conducted entirely in Spanish. Successful completion of this course will enable students to enroll in an upper level Spanish class. Students may be asked to complete a language assessment to determine proper placement in this course.
Language Arts

When students enroll in both required and elective language arts classes, they have the opportunity to develop abilities in and an understanding of writing, reading, speaking, listening, thinking, and evaluating as they study the academic content of language, literature, and composition.

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**English I**

LA 310A/B  1 Credit  Grade 9

This course meets the freshman English graduation requirement. It is open to all students who desire a literary/linguistic challenge. These challenges include thinking analytically, synthesizing, experiencing various genres, and an increased demand for writing. Students will also produce writing for a variety of purposes and audiences; all of which will be grounded in claims and supported with evidence from the text. Guided enrollment note: Students must complete a summer reading and writing assignment for this class.

**English I Pre-AP/Honors**

LA 315A/B  1 Credit  Grade 9

This course meets the freshman English graduation requirement. It is open to all students who desire a literary/linguistic challenge. These challenges include thinking analytically, synthesizing, experiencing various genres, and an increased demand for writing. Students will also produce writing for a variety of purposes and audiences; all of which will be grounded in claims and supported with evidence from the text. Guided enrollment note: Students must complete a summer reading and writing assignment for this class.

**English II**

LA 412A/B  1 Credit  Grade 10

This course meets the sophomore English graduation requirement. Students will experience a variety of literature from both the class textbook and district approved novels. Students will also produce writing for a variety of purposes and audiences. There is an emphasis on writing which is grounded in claims and supported by evidence from the text.

**English II Pre-AP/Honors**

LA 415A/B  1 Credit  Grade 10

This course meets the sophomore English graduation requirement. Students will experience a variety of literature from both the class textbook and district approved novels. Students will also produce writing for a variety of purposes and audiences. There is an emphasis on writing which is grounded in claims and supported by evidence from the text. Guided enrollment note: Students must complete a summer reading and writing assignment for this class.

**English III**

LA 420A/B  1 Credit  Grade 11

This course meets the junior English requirement. Students will experience a variety of literature using the class textbook and district approved novels. There is an emphasis on writing which is grounded in claims and supported by evidence from the text. The course also emphasizes critical thinking, grammar, and vocabulary.
AP English Language and Composition LA 425A/B 1 Credit Grade 11
This course meets the junior English graduation requirement. It is open to all students who desire a literary/linguistic challenge. This course trains students to become skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts. This course emphasizes the expository, analytical, and argumentative writing that forms the basis of academic and professional communications as well as the personal and reflective writing that fosters the development of writing in any context. This course requires students to think, read, and write critically and creatively at an advanced level. Students enrolled will be expected to apply advanced reading and writing skills. Guided enrollment note: Students must complete a summer reading and writing assignment for this class. Students taking this course are strongly encouraged to take the Advanced Placement Language and Composition exam to earn college credit.

English IV LA 430A/B 1 Credit Grade 12
This course meets the senior English requirement. Students will experience a variety of literature using the class textbook and district approved novels. In this class, there is an emphasis on writing which is grounded in claims and supported by evidence from the text. The course emphasizes critical thinking, grammar, and vocabulary. Guided enrollment note: This course does not meet the NCAA eligibility requirement.

College Prep English IV LA 440A/B 1 Credit Grade 12
This course meets the senior English requirement. Students will experience a variety of literature using the class textbook and district approved core literature. This course is designed to develop the critical skills needed for the college bound student. The reading and writing in this course is intended to prepare students for a post-secondary experience. There is a heightened focus on critical reading, writing, and thinking.

AP English Literature and Composition LA 445A/B 1 Credit Grade 12
This course meets the senior English graduation requirement. It is open to all students who desire a literary/linguistic challenge. Instruction focuses on the teaching of the advanced composition skills through the analysis and synthesis of classic and contemporary British Literature as well as our district approved core literature. Student writings include on demand essays, extended essays, and reader responses with an emphasis on literary analysis. This course requires students to be able to think, read, and write critically and creatively at an advanced level. This course also places emphasis on the skills needed for the college bound student. Guided enrollment note: Students must complete a summer reading and writing assignment for this class. Students taking this course are strongly encouraged to take the Advanced Placement Language and Composition exam to earn college credit.

Photojournalism LA 470 A/BP 1 Credit All Grades
Prerequisite: Basic Digital Photography. The primary focus of this class is to provide instruction and opportunities for the student wanting to develop his/her photography skills and/or to pursue journalism via photography. The products from this class will be published in the school newspaper, the newspaper's website, and the school yearbook. The primary focus of this class is to provide instruction and opportunities for the student wanting to develop his/her photography skills and/or to pursue journalism via photography. The products from this class will be published in the school newspaper, the newspaper's website, and the school yearbook; competition opportunities will also be available.

Creative Writing LA 520 .5 Credit Grades 11-12
This course offers highly motivated students an opportunity to become disciplined writers by writing in a variety of forms, including poetry and fiction. Because the student must generally have a sound knowledge of basic mechanics of writing and literary styles, the class is reserved for juniors and seniors who are serious about writing.

Advanced Creative Writing LA 530 .5 Credit Grade 11-12
This course is open to students who have completed Creative Writing, Pre-AP Honors English II, or a Project in writing and who exhibit skills in writing poetry and short stories. Three projects will be required during the semester: one in poetry, one in short story, and a third of the student's choice. Projects might include a one-act play, a humorous monologue, or a children's book. Students will learn about publishing and will be encouraged to submit to school-related publications. This is a class for the advanced student who is committed and serious about writing. Guided Enrollment Note: A student application including portfolio works should be completed prior to spring enrollment.

Creative Writing: Literary Magazine LA 540 .5 Credit Grades 11-12
The primary focus of this class will be to read, evaluate, and select student writings to be published in the school literary magazine. Students will produce the magazine and engage in such activities as layout and design, selection of art and photography, proofreading and editing, desktop publishing, publicity, and sales. On a limited basis, staff members will engage in their own writing activities for submission to the magazine. This class is suggested for those with good organizational and editing skills, the ability to judge work on its literary merit, and the ability to work independently. Staff size is limited. Guided Enrollment Note: This course may be repeated by permission of the instructor. A student application including portfolio works should be completed prior to spring enrollment.

Convergent Journalism I & II LA 820P/LA 821P 1 Credit All Grades
Students will receive instruction in and will practice the various types of journalistic writing, editing, page design, headline writing, and other journalistic skills. These skills will be evidenced in products such as the school newspaper, the newspaper's website, podcasts, and/or video productions. Students will also conduct the business of the newspaper, such as advertising sales, billing, and distribution. Guided Enrollment Note: This course may be repeated by permission of the instructor. Students should complete an application prior to spring enrollment. Students (grades 11-12) wishing to fulfill a technology credit can enroll in CP 420P/CP 421P.

Digital Media Technology: Yearbook LA 840P/LA 841P 1 Credit All Grades
Students will receive instruction in and will practice the various types of copy writing, editing, graphic design, layout, headline writing, and other journalistic skills. These skills will be evidenced in the school yearbook. Students will conduct the business of the yearbook, such as advertising sales, billing, and distribution. Students will also explore the role and uses of a variety of digital media. Guided Enrollment Note: This course may be repeated by permission of the instructor. Students should complete an application prior to spring enrollment. Students (grades 11-12) wishing to fulfill a technology credit can enroll in CP 420P/CP 421P.

Digital Media Design & Production CP 420P/CP 421P 1 Credit Grades 10-11-12
Prerequisite: LA 820P/LA 821P Convergent Journalism I & II or LA 840P/LA 841P Digital Media Technology: Yearbook or LA 470P Photojournalism. A technology credit nested within LA 820P/LA 821P or LA 840P/LA 841P available for veteran 10th, 11th or 12th grade staff members. Required approval from instructor prior to enrollment.

English Language Learners 1 Credit All Grades
LA 910 1 Credit All Grades
LA 911 1 Credit All Grades
LA 912 1 Credit All Grades
This course is designed to teach both written and spoken English to students whose native language is other than English.
### Mathematics

#### Algebra I

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<tr>
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<th>10</th>
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<td>MA 620 A/B College Algebra*</td>
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<td>MA 720 A/B Pre-Calculus</td>
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<td>MA 810 A/B AP Calculus AB</td>
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<td>MA 850 A/B AP Calculus BC</td>
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<td>MA 880 Multivariable Calculus</td>
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</table>

*Quick Step Plus Program

**Algebra I**

The critical areas in Algebra deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend. Students engage in methods for analyzing, solving, and using quadratic functions. The Mathematical Practice Standards together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of problem solving skills. Critical areas include; analyze and explain the process of solving an equation, write, interpret, and translate between various forms of linear equations and inequalities, function notations, sequences, linear, quadratic, exponential functions and more specialized functions. Guided Enrollment Note: Algebra teaches topics in greater depth than in Applied Algebra and is the recommended precollege core mathematics curriculum.

**Applied Algebra I**

The critical areas in Algebra deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend. Students engage in methods for analyzing, solving, and using quadratic functions. The Mathematical Practice Standards together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of problem solving skills. Critical areas include; analyze and explain the process of solving an equation, write, interpret, and translate between various forms of linear equations and inequalities, function notations, sequences, linear, quadratic, exponential functions and more specialized functions. This course is intended for students needing additional support with math concepts. Guided Enrollment Note: Enrollment based on teacher recommendation. This course is not approved for NCAA Div. I and Div. II eligibility.

#### Applied Geometry

<table>
<thead>
<tr>
<th>CRN Course</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA 544 A/B Applied Geometry</td>
<td></td>
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<td></td>
<td>1</td>
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</tr>
</tbody>
</table>

**Applied Geometry**

Prerequisite: This course is recommended for students who have successfully completed Algebra 1. The goal of this course is to formalize and extend students’ geometric experiences by exploring more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Transformations are emphasized early and the Mathematical Practices are applied throughout. Critical areas include rigid motions, triangle congruence, similarity, and geometric relationships, properties of special triangles and quadrilaterals, and theorems about circles. Guided Enrollment Note: Geometry teaches topics in greater depth than in Applied Geometry and is the recommended precollege core mathematics curriculum.

**Algebra II**

Prerequisite: This course is recommended for students who have successfully completed Algebra 1. The goal of this course is to formalize and extend students’ geometric experiences by exploring more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Transformations are emphasized early and the Mathematical Practices are applied throughout. Critical areas include rigid motions, triangle congruence, similarity, and geometric relationships, properties of special triangles and quadrilaterals, and theorems about circles. This course is intended for students needing additional support with math concepts. Guided Enrollment Note: Enrollment based on teacher recommendation. This course is not approved for NCAA Div. I and Div. II eligibility.
### Intermediate Algebra

**MA 525A/B  1 Credit  Grades 10-11-12**  
Prerequisite: This course is recommended for students who have successfully completed Geometry or Geometry II. Instruction emphasizes fundamental concepts in the Algebra II curriculum while reinforcing those Algebra I skills which are essential for the understanding of Algebra II concepts. Guided Enrollment Note: Enrollment based on teacher recommendation. This course is not approved for NCAA Div. I and Div. II eligibility.

### Algebra II

**MA 550A/B  1 Credit  Grades 10-11-12**  
Prerequisite: This course is recommended for students who have successfully completed Geometry. Building on work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions and continue to expand and hone their abilities to model situations and solve equations, including quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The Mathematical Practice Standards apply throughout this course. A TI-84 series graphing calculator is required. Guided Enrollment Note: This is an approved class for college bound students.

### Algebra III

**MA 565A/B  1 Credit  Grades 10-11-12**  
Prerequisite: This course is recommended for students who have successfully completed Algebra II. Instruction emphasizes a more in depth look at quadratic and polynomial equations with real and complex solutions, exponential and logarithmic equations and functions, and rational expressions. Other topics include transformations, sequences and series, conics, and trigonometry. A TI-84 series graphing calculator is required. Guided Enrollment Note: Upon successful completion of Algebra III, students will have completed the equivalent of an Advanced Algebra II course. This is an approved class for college bound students.

### Advanced Algebra II

**MA 610A/B  1 Credit  Grades 11**  
**MA 615A/B  1 Credit  Grades 9-10**  
Prerequisite: This course is recommended for students who have successfully completed Geometry. Building on work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions and continue to expand and hone their abilities to model situations and solve equations, including quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The Mathematical Practice Standards apply throughout this course. A TI-84 series graphing calculator is required. Guided Enrollment Note: The Advanced Algebra II course teaches topics in greater depth and breadth than Algebra II. This course is a prerequisite course for enrollment in Pre-Calculus and AP Statistics. This is an approved class for college bound students.

### College Algebra

**MA 620A/B  1 Credit  Grades 11-12**  
Prerequisite: This course is recommended for students who have successfully completed Advanced Algebra II, Algebra II or Algebra III. Instruction emphasizes quadratic equations and inequalities using irrational and complex numbers, analytical geometry, applications of sequence and series, matrix algebra, probability and statistics, and trigonometry. Students will need access to a graphing calculator on a regular basis. A TI-84 series graphing calculator is required. Guided Enrollment Note: This course is designed for the student who needs to strengthen understanding of higher level advanced math concepts taught in Algebra III (MA 565 A/B) or Advanced Algebra II (MA 610 A/B). Students may choose to take the course through enrollment in JCCC’s Quick Step Plus Program. To apply for dual credit, a test deemed appropriate through JCCC for placement or an ACT math sub score of 25 is required.

### AP Statistics

**MA 860A/B  1 Credit  Grades 11-12**  
Prerequisite: This course is recommended for students who have successfully completed Pre-Calculus and College Algebra. Instruction emphasizes collecting, analyzing, and drawing conclusions from data. Students will describe data patterns and departure from patterns, use sampling and experimentation to plan and conduct studies, explore random phenomena using probability and simulations, estimate population parameters, and test hypotheses. The student will need access to a graphing calculator on a regular basis. A TI-84 series graphing calculator is required. Guided Enrollment Note: Students will be prepared to take the Advanced Placement Statistics Exam given during the spring semester. College credit can be earned through Advanced Placement (with a qualifying score on the AP Exam). Students may choose to take the course for College NOW credit through JCCC. To apply for dual credit, a test deemed appropriate through JCCC for placement or an ACT math sub score of 26 is required.

### Pre-Calculus

**MA 720A/B  1 Credit  Grades 10-11-12**  
Prerequisite: This course is recommended for students who have successfully completed Advanced Algebra II. Instruction emphasizes algebraic and graphical analysis with transformations, the study of continuity, rational, logarithmic and exponential functions, trigonometric functions and circular relations, conics, sequences and series, limits, parametrics, and vectors. Students will need access to a graphing calculator on a regular basis. A TI-84 series graphing calculator is required. College credit can be earned through Advanced Placement (with a qualifying score on the AP Exam). Students may choose to take the course for College NOW credit through JCCC. To apply for dual credit, a test deemed appropriate through JCCC for placement or an ACT math sub score of 26 is required. Guided Enrollment Note: Upon completion of Pre-Calculus, students may choose to enroll in AP Calculus AB, AP Calculus BC, or AP Statistics.

### AP Calculus AB

**MA 810A/B  1 Credit  Grades 11-12**  
Prerequisite: This course is recommended for students who have successfully completed Pre-Calculus. Instruction emphasizes functions, graphs, and limits, derivatives and their applications, properties of definite integrals and application of integrals, Fundamental Theorem of Calculus, and techniques and applications of anti-differentiation. Students will need access to a graphing calculator on a regular basis. A TI-84 series graphing calculator is required. Guided Enrollment Note: Students will be prepared to take the Advanced Placement Calculus AB Exam given during the spring semester. College credit can be earned through Advanced Placement (with a qualifying score on the AP Exam). Students may choose to take the course for College NOW credit through JCCC. To apply for dual credit, a test deemed appropriate through JCCC for placement or an ACT math sub score of 28 is required.

### AP Calculus BC

**MA 850A/B  1 Credit  Grades 11-12**  
Prerequisite: This course is recommended for students who have successfully completed Pre-Calculus. Instruction emphasizes functions, graphs, and limits including parametric, polar, and vector functions, derivatives and their applications including L’ Hospital’s Rule, properties of definite integrals and application of integrals, Fundamental Theorem of Calculus, techniques and applications of anti-differentiation, polynomial approximations and series. Students will need access to a graphing calculator on a regular basis. A TI-84 series graphing calculator is required. Guided Enrollment Note: This is the prerequisite course for either semester course, Multivariable Calculus or Linear Algebra. Students will be prepared to take the Advanced Placement Calculus BC Exam given during the spring semester. College credit can be earned through Advanced Placement (with a qualifying score on the AP Exam). Students may choose to take the course for College NOW credit through JCCC. To apply for dual credit, a test deemed appropriate through JCCC for placement or an ACT math sub score of 28 is required.
### Multivariable Calculus
**MA 880**  .5 Credit  Grade 12

**Prerequisite:** This course is recommended for students who have successfully completed AP Calculus BC. This course extends the topics from AP Calculus BC, working with multiple variables and multiple dimensions. Topics include vectors in space, cylindrical and spherical coordinates, and calculus of vector-valued functions, limits of functions of several variables, partial derivatives, directional derivatives and gradients, double and triple integrals, and applications to analysis of functions of several variables. This course is only offered for first semester.

### Linear Algebra
**MA 870**  .5 Credit  Grade 12

**Prerequisite:** This course is recommended for students who have successfully completed AP Calculus BC. This course introduces the mathematical discipline of linear algebra from a formal, rigorous perspective. Instruction emphasizes solutions of n x n systems of equations, determinants and eigenvalues, operations on vector spaces, and linear transformations of vector spaces. Students will be introduced to formal mathematical proof throughout the course. This course is only offered for second semester.

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**High School Math Course Sequence**

 individual student course recommendation may vary

*Courses do not meet Qualified Admissions for Pre-College Curriculum*
Performing Arts

Students enrolled in Performing Arts classes will develop skills in performance and artistic expression. They will engage in activities that build self-confidence, interactions with others and an appreciation of the arts. Through Guided Enrollment, all high school students including 9 grade students, have the opportunity to access advanced performance groups through the audition process.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Course</th>
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<th>10</th>
<th>11</th>
<th>12</th>
<th>Credit</th>
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<tbody>
<tr>
<td>PA 410 A/B</td>
<td>Concert Choir</td>
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<td>PA 420 A/B</td>
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<td>PA 500 A/B</td>
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<td>PE 610 A/B</td>
<td>Dance Team 9/Health</td>
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<tr>
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<td>PA 652 A/B</td>
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<tr>
<td>PA 710</td>
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<td>PA 740</td>
<td>Argumentation and Debate</td>
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<td>PA 760</td>
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<td>PA 800</td>
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<td>PA 900</td>
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The below courses are offered at Olathe North only.

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<th>10</th>
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<th>Credit</th>
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<td>PA 812 A/B</td>
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<td>PA 852 A/B</td>
<td>Digital Film</td>
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**Concert Women’s Choir**

**Concert Men’s Choir**

**Concert Mixed Choir**

These ensembles serve as training for basic choral skills. This course focuses on the development of vocal techniques, ear training, and sight-singing skills. **Guided Enrollment Note:** Performances, including those on evenings and weekends are graded activities.

**Intermediate Women’s Choir**

**Intermediate Men’s Choir**

**Intermediate Mixed Choir**

These ensembles provide continued training in basic choral skills. This course focuses on continued development of vocal technique, ear training, and sight-singing skills. **Guided Enrollment Note:** Audition required. Performances, including those on evenings and weekends, are graded activities.
### Performing Arts

<table>
<thead>
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<th>Course</th>
<th>Code</th>
<th>Credit</th>
<th>Grading Period</th>
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<tbody>
<tr>
<td>Advanced Women’s Choir</td>
<td>PA 430A/B</td>
<td>1 Credit</td>
<td>Grades 10-11-12</td>
</tr>
<tr>
<td>Advanced Men’s Choir</td>
<td>PA 431A/B</td>
<td>1 Credit</td>
<td>Grades 10-11-12</td>
</tr>
<tr>
<td>Advanced Mixed Choir</td>
<td>PA 432A/B</td>
<td>1 Credit</td>
<td>Grades 10-11-12</td>
</tr>
<tr>
<td>Advanced Chamber Choir</td>
<td>PA 433A/B</td>
<td>1 Credit</td>
<td>Grades 10-11-12</td>
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</table>

Membership is limited to students who demonstrate high levels of competency in musicianship and a keen interest in choral singing. Emphasis is on vocal production, musical skills, and concert performances. Guided Enrollment Note: Audition required. Performances, including those on evenings and weekends, are graded activities.

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Credit</th>
<th>Grading Period</th>
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</thead>
<tbody>
<tr>
<td>AP Music Theory</td>
<td>PA 450A/B</td>
<td>.5-1 Credit</td>
<td>Grades 10-11-12</td>
</tr>
</tbody>
</table>

This course will explore the structure of music from the most fundamental laws of music theory to the more complex concepts of four-part writing, voice leading, inversions and chord construction, and form. Guided Enrollment Note: Students will be prepared to take the Advanced Placement Music Theory exam during the spring semester.

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Credit</th>
<th>Grading Period</th>
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<tbody>
<tr>
<td>Concert Band</td>
<td>PA 500A/B</td>
<td>1 Credit</td>
<td>Grade 9</td>
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</tbody>
</table>

**Prerequisite: Prior school band experience.** This performance group is intended for 9th grade. There is no audition requirement. Students will participate in activities related to marching band on a limited basis during the year. Guided Enrollment Note: Throughout the year, attendance is required at performances and rehearsals, which may be scheduled before/after school, in the evening and on weekends. A uniform purchase may be required, but financial assistance will be provided to those that qualify.

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Credit</th>
<th>Grading Period</th>
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</thead>
<tbody>
<tr>
<td>Marching Band-Symphonic Band</td>
<td>PA 510A/B</td>
<td>1 Credit</td>
<td>Grades 10-11-12</td>
</tr>
</tbody>
</table>

This audition-based course is primarily open to students in 10th-12th grade that play a wind or percussion instrument. Ninth grade students may audition for placement in this ensemble. The student is involved in marching band activities for approximately the first nine weeks. The symphonic band portion of this course begins in early November and continues the remainder of the school year. Guided Enrollment Note: Audition required. All students must attend required rehearsals prior to the start of the school year. Performances for band, including those on Saturdays and school nights, are graded activities.

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Credit</th>
<th>Grading Period</th>
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</thead>
<tbody>
<tr>
<td>Marching Band-Wind Ensemble</td>
<td>PA 520A/B</td>
<td>1 Credit</td>
<td>Grades 10-11-12</td>
</tr>
</tbody>
</table>

This audition-based course is primarily open to students in 10th-12th grade that play a wind or percussion instrument at an advanced level. Ninth grade students may audition for placement in this ensemble. The student is involved in marching band activities for approximately the first nine weeks. The wind ensemble portion of this course begins in early November and provides students exposure to advanced band literature the remainder of the school year. Guided Enrollment Note: Audition required. All students must attend required rehearsals prior to the start of the school year. Performances for band, including those on Saturdays and school nights, are graded activities.

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Credit</th>
<th>Grading Period</th>
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</thead>
<tbody>
<tr>
<td>Jazz Band</td>
<td>PA 530</td>
<td>.5 Credit</td>
<td>All Grades</td>
</tr>
</tbody>
</table>

**Prerequisite: Concurrent enrollment in Concert Band, Marching/Symphonic Band or Marching Band/Wind Ensemble.** This is a select instrumental group offering the advanced instrumental student an opportunity to explore the various styles of jazz music. The course offers experience in solo and improvisational study. Guided Enrollment Note: Audition required. Performances, including those on Saturdays and school nights, are graded activities.

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Credit</th>
<th>Grading Period</th>
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</thead>
<tbody>
<tr>
<td>Dance 9/Health</td>
<td>PE 610A/B</td>
<td>1 Credit</td>
<td>Grade 9</td>
</tr>
<tr>
<td>Dance Team</td>
<td>PA 552A/B</td>
<td>1 Credit</td>
<td>Grades 10-11-12</td>
</tr>
</tbody>
</table>

This is a select group of performers and part of the marching band during football season. **Admittance is through a competitive audition held in the spring.** This audition requires workshops in which the student will learn basic marching, dance, and equipment moves. The audition includes 3 days of clinic followed by the actual audition on the 4th day. The entire competitive process includes grades, attendance, and attitude along with the audition performance. This course is aimed at developing performance skills through character, coordination, rhythm, and showmanship. Guided Enrollment Note: Performances are after school, evenings, and weekends, and are graded activities. This class may receive freshman P. E. credit; and the .25 credit of Health Education.

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Credit</th>
<th>Grading Period</th>
</tr>
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<tbody>
<tr>
<td>Freshman Orchestra</td>
<td>PA 570A/B</td>
<td>1 Credit</td>
<td>Grade 9</td>
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</table>

**Prerequisite: 8th Grade Orchestra or permission of instructor.** This course is open to all 9th grade string players. Students explore a variety of music with emphasis on strengthening technical and performance skills. Guided Enrollment Note: Performances and rehearsals for orchestra, including those on Saturdays and school nights, are graded activities.

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Credit</th>
<th>Grading Period</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concert Orchestra</td>
<td>PA 580A/B</td>
<td>1 Credit</td>
<td>Grades 10-11-12</td>
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</tbody>
</table>

**Prerequisite: Freshman Orchestra or permission of instructor.** This course is open to all 10th-12th grade string players. There is no audition required to participate in this orchestra. Students explore a variety of music with emphasis on strengthening technical and performance skills. Guided Enrollment Note: Performances and rehearsals for orchestra, including those on Saturdays and school nights, are graded activities.

<table>
<thead>
<tr>
<th>Course</th>
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</tr>
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<tbody>
<tr>
<td>Advanced Orchestra</td>
<td>PA 590A/B</td>
<td>1 Credit</td>
<td>Grades 10-11-12</td>
</tr>
</tbody>
</table>

**Prerequisite: Competitive audition and school orchestra experience.** This course requires an audition, and is open to 10th-12th grade string players. Students explore a variety of music with emphasis on advanced technical and performance skills and a rigorous curriculum. Guided Enrollment Note: Audition Required. Performances and rehearsals for orchestra, including those on Saturdays and school nights, are graded activities.

<table>
<thead>
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<th>Course</th>
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<tr>
<td>Theatre Design</td>
<td>PA 600</td>
<td>.5 Credit</td>
<td>Grades 10-11-12</td>
</tr>
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</table>

**Prerequisite: Dramatic Arts and Technical Theatre I or teacher recommendation.** This course gives you the chance to see what happens before the construction starts. Gain knowledge of what goes into theatre design including basic design elements like sight lines and color theory. Set design, costume design, lighting design and other areas will also be covered giving you the chance to produce work of your own. The use of computer technology in theatrical design will also be explored. Some out of class time may be required. Guided Enrollment Note: Attendance at performances is a graded part of the class.

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
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<tbody>
<tr>
<td>Dramatic Arts</td>
<td>PA 605</td>
<td>.5 Credit</td>
<td>All Grades</td>
</tr>
</tbody>
</table>

This is your introduction to the world of theatre. In this survey class, find out about all the areas of theatre, get the chance to perform on stage, learn what's happening behind the scenes, and figure out where you fit in this world. This is the prerequisite for all other theatre classes. Guided Enrollment Note: Attendance at performances is a graded part of the class.

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Credit</th>
<th>Grading Period</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technical Theatre I</td>
<td>PA 610</td>
<td>.5 Credit</td>
<td>All Grades</td>
</tr>
</tbody>
</table>

**Prerequisite: Dramatic Arts.** This course is a basic study of technical theatre production with an emphasis on construction techniques used in theatre production. Other technical aspects such as costume, make-up, lighting, sound, publicity and properties are introduced. Projects completed in class will be in conjunction with plays produced. Some out of class time may be required. Guided Enrollment Note: Attendance at performances is a graded part of the class.
Technical Theatre II  PA 620  .5 Credit  Grades 10-11-12

**Prerequisite: Technical Theatre I.** This course is the advanced study of technical theatre production with a continued emphasis on construction techniques used in theatre. There will also be further exploration of costuming, make-up, lighting, sound, publicity and properties. This class also includes an introduction to theatrical leadership. Projects completed in class will be in conjunction with plays produced. Some out of class time may be required. Guided Enrollment Note: Attendance at performances is a graded part of the class.

Acting I  PA 630  .5 Credit  All Grades

**Prerequisite: Dramatic Arts.** Here is your chance to discover the basics of what it takes to perform on stage. Acting in its various forms is showcased throughout the semester. This class will also give you the chance to work on acting techniques and performance skills. Students will be required to memorize dialogue for presentation during this class. Guided Enrollment Note: Attendance at performances is a graded part of the class.

Acting II  PA 640  .5 Credit  Grades 10-11-12

**Prerequisite: Acting I.** If the experience during Acting I left you wanting more, then this is the class for you. This is our chance to increase your acting training and expand your knowledge of the theatrical world. This course takes you through audition processes, production skills, writing, analysis, and Shakespeare. Students will be required to memorize dialogue for presentation during this class. Guided Enrollment Note: Attendance at performances is a graded part of the class.

Repertory Theatre  PA 650A/B  .1 Credit  Grades 11-12

**Prerequisite: Acting II or Technical Theatre II or teacher recommendation.** This is a course for the serious theatre student. Aspects of theatrical production, advanced acting techniques, and theatrical leadership will be addressed. Career exploration and preparation for theatre post high school will be covered, including auditioning skills and portfolio creation. Guided Enrollment Note: Audition or instructor recommendation required. Outside of school rehearsals, performances and attendance at performances is a graded part of the class.

Advanced Repertory Theatre  PA 652A/B  .1 Credit  Grades 11-12

**Prerequisite: Repertory Theatre or teacher recommendation.** This is a course for the serious theatre student who would like to expand on the knowledge gained in repertory theatre. There will be further theatrical production and acting experiences throughout the year. Increased auditioning skills, portfolio creation, theatrical leadership, and exploration into post high school theatrical opportunities will be offered. Guided Enrollment note: Audition or instructor recommendation required. Outside of school rehearsals, performances and attendance at performances is a graded part of the class.

Speech  PA 710  .5 Credit  All Grades

This course is designed to improve students’ critical communication effectiveness and public speaking skills. Assignments will include persuasive, informative, and entertainment speeches, as well as group discussion, debate, and oral interpretation. Guided Enrollment Note: This class is strongly recommended for college-bound students.

Interscholastic Speech and Drama  PA 720  .5 Credit  All Grades

This is a course for students interested in contest acting, speaking, debating, and oral interpretation. Many opportunities for interscholastic competition will be provided. The student may participate in acting, speaking, interpretation, debating, or a combination of these. Guided Enrollment Note: The student will be required to participate in interscholastic tournaments and to help host the invitational tournament. Students must also meet all KSHSAA eligibility guidelines for participation.

Novice Debate  PA 730  .5 Credit  All Grades

This first semester class serves as an introduction to interscholastic high school debate in the state of Kansas. The course is designed to develop critical thinking, writing, public speaking, research, and organization skills. Guided Enrollment Note: The student will be required to participate in interscholastic tournaments and to help host the invitational tournament. Students must also meet all KSHSAA eligibility guidelines for participation.

Argumentation and Debate  PA 740  .5 Credit  Grades 10-11-12

Argumentation and Debate is an alternative to Novice and Advanced Debate and does not require curricular participation at weekend tournaments outside of class. Students learn the fundamentals of argumentation, logic, and critical thinking across a variety of debate forums including public policy debate, philosophical debate, congressional debate, and public forum debate.

Advanced Debate  PA 750  .5 Credit  Grades 10-11-12

**Prerequisite: Novice Debate.** This class is designed for students who demonstrate a high level of commitment in policy debate. Emphasis is on competition and stewardship to the debate community. See Guided Enrollment Note for PA 730.

Honors Advanced Debate  PA 780  .5 Credit  Grades 11-12

**Prerequisite: Novice Debate and Advanced Debate.** This class is designed for students who seek a more rigorous and intensive advanced debate education. Additional coursework and tournament competition is required, and students will be expected to fulfill leadership roles. See Guided Enrollment Note for PA 730.

History of Film  PA 800  .5 Credit  Grades 10-11-12

This course examines the impact of the film industry on American history and culture as advances in technology have changed the film industry over time. Students will view and write about a series of required classical films, from different genres, from silent films to the present. Research, critical thinking, analyzing, and utilization of extensive writing strategies are emphasized for all assignments and projects.

Fine and Performing Arts Senior Independent Study  PA 900  .5 Credit  Grade 12

This course is designed for students who are working with an instructor to complete a senior culminating project in a chosen arts area (music, theatre, or visual art). Guided Enrollment Note: Instructor recommendation and approval required.

Electronic News  PA 812A/B  1 Credit  All Grades

Students enrolled in eNews will learn how today’s electronic news gathering programs are produced and distributed through both broadcast channels and Internet outlets. They will produce video and audio programs, daily, weekly and for special programming. Guided Enrollment Note: Out-of-Class time will be required. A lab fee may be required. Offered at Olathe North.

Digital Film  PA 852A/B  1 Credit  All Grades

Students enrolled in Digital Film will produce short video productions for multiple modes of distribution. This is a fast paced class where students will acquire the skills they need to develop short films by writing scripts, directing and acting in film projects, shooting stories, editing and special effects. Students will learn how today’s Entertainment programs are produced and distributed through both broadcast channels and Internet outlets. Guided Enrollment Note: Out-of-Class time will be required. A lab fee may be required. Offered at Olathe North.
Physical Education

Learning of all kinds is enhanced by fitness. Students in physical education courses will learn through study and practice about the role of physical fitness in their daily lives.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Course</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>Credit</th>
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<tbody>
<tr>
<td>PE 410 A/B</td>
<td>Physical Education Concepts/Health Education</td>
<td></td>
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<tr>
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<td>Strength and Conditioning I</td>
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<td>PE 515</td>
<td>Strength and Conditioning II</td>
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<tr>
<td>PE 525</td>
<td>Physical Education Activities</td>
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<td>PE 610 A/B</td>
<td>Dance Team 9/Health</td>
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<tr>
<td>PE 600 A/B</td>
<td>Cheerleading 9/Health</td>
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<td>PE 530</td>
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<td>Sports Medicine Health &amp; Physical Education</td>
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</tr>
</tbody>
</table>

The course below is part of Olathe’s 21st Century Programs. Reference page 52.

Physical Education Concepts/Health Education

This course provides an opportunity for students to participate in a variety of physical activities and learn the value of quality, lifetime physical fitness. Health Education includes instruction regarding health promotion and disease prevention. Guided Enrollment Note: PE Concepts and Health Education is the designated course to meet the graduation requirement of one credit.

Strength and Conditioning I

This course provides the instruction of strength concepts with an emphasis on weight training. Guided Enrollment Note: Prior approval needed for this course to meet graduation credit.

Strength and Conditioning II

This is an advanced course that provides the instruction of strength concepts with an emphasis on weight training. Guided Enrollment Note: A passing grade in Strength and Conditioning I and instructor approval is required prior to enrollment. Prior approval needed for this course to meet graduation credit.

Physical Education Activities

This course offers the opportunity to participate in a variety of lifetime activities which include team and individual games. Guided Enrollment Note: Prior approval needed for this course to meet graduation credit.

Lifetime Fitness

This course offers the opportunity to participate in lifetime physical fitness activities with a focus on personalized fitness. Guided Enrollment Note: Prior approval needed for this course to meet graduation credit.

Dance Team 9/Health

Prerequisite: Competitive audition held in the spring. This group performs with the marching band and develops performance skills through character coordination, rhythm and showmanship. In required workshops students learn basic marching dance and equipment moves. The audition includes 3 days of clinic followed by the actual audition on the 4th day. The selection process includes grades, attendance and attitude along with the audition performance. Guided Enrollment Note: Performances are after school, evenings, and weekends, and are graded activities. PE 610A/B may receive freshman P.E. credit.

Cheerleading 9/Health

Prerequisite: Competitive audition held in the spring. This course is required for all cheerleaders who are selected in spring tryouts. Activities of the class involve perfecting gymnastics skills, planning cheers and pep assemblies, and completing other projects to foster school and team spirit. Guided Enrollment Note: PE 600A/B may receive freshman P.E. credit.
Science

Students in all science courses are encouraged to see science as approachable and applicable through coursework that develops students’ inquiry skills through laboratory experiences.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Course</th>
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<th>12</th>
<th>Credit</th>
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<tbody>
<tr>
<td>SC 210 A/B</td>
<td>Physical Science</td>
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<td>SC 412 A/B</td>
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<tr>
<td>SC 430</td>
<td>Horticulture II</td>
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<tr>
<td>SC 435</td>
<td>Physical Science Investigations I (Science for the People)</td>
<td>●</td>
<td>.5</td>
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<tr>
<td>SC 440</td>
<td>Astronomy</td>
<td>●</td>
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<td>.5</td>
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<tr>
<td>SC 490 A/B</td>
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<tr>
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<td>SC 520 A/B</td>
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<td>SC 530 A/B</td>
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<td>SC 540</td>
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<td>SC 545</td>
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<tr>
<td>SC 620 A/B</td>
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The courses below are part of Olathe’s 21st Century Programs. Reference pages 51 and 52.

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<td>SC 455P</td>
<td>Foundations of Sports Medicine</td>
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<td>SC 460P</td>
<td>Prevention, Treatment &amp; Rehabilitation of Athletic Injuries</td>
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<td>SC 465P</td>
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<td>SC 468P</td>
<td>Wellness and Rehabilitation Clinic</td>
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<td>SC 469P</td>
<td>Intro to Exercise Science</td>
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<td>SC 470 A/B</td>
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<td>SC 472 A/B</td>
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<td>●</td>
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</tbody>
</table>

* = Horticulture I & Horticulture II must both be taken the same school year to receive College Now Credit.
Science

Physical Science  SC 210A/B  1 Credit  Grades 10-11-12
This course explores basic concepts of chemistry and physics by emphasizing problem solving in investigations. Students utilize technology to collect and analyze data in the study of matter, chemical change, energy, motion, electricity, magnetism, sound and light.

Applied Biology  SC 400A/B  1 Credit  All Grades
This is a year course emphasizing laboratory investigations of fundamental biology topics. This course is intended for students who need additional support in reading and learning strategies. Guided Enrollment Note: Enrollment requires teacher recommendation.

Biology I  SC 410A/B  1 Credit  All Grades
Biology is a lab-oriented course where inquiry problem-solving skills are practiced and refined. The emphasis of the course is on the molecular level, with such topics as biochemistry, genetics and cellular processes. The diversity and evolution of organisms and ecology concepts are included throughout the curriculum.

Honors Biology I  SC 412A/B  1 Credit  Grade 9-10
Honors Biology is an inquiry-based lab course where reading, writing, and problem-solving skills are integrated throughout the curriculum, culminating with a research project. The topics covered in this course are the same as in Biology I but at a faster pace and in greater detail. Honors Biology for A&E students will have an additional emphasis on engineering design for life science applications. Guided Enrollment Note: For this more challenging course, significant work outside of the class is to be expected.

Horticulture I  SC 420  .5 Credit  Grades 10-11-12
Prerequisite: Biology I. This course is designed for the student who is interested in plant studies. Students will be exposed to topics concerning the growth and care of greenhouse plants, woody plants, lawns and those plants grown for food, with an emphasis on environmentally safe methods of pest control. Topics which are project based include: plant propagation, hydroponics, soil testing, gardening and landscape, pest management, conservation and composting. Guided Enrollment Note: Student may acquire dual credit through JCCC/College Now, when taken same school year as Horticulture II.

Horticulture II  SC 430  .5 Credit  Grades 10-11-12
Prerequisite: Horticulture I. This course is designed for those interested in advanced plant studies. The topics covered in the introductory course will be pursued in greater depth, with an emphasis on individualized projects. Students learn from guest speakers who present topics in various areas of specialty and from several field trips. Guided Enrollment Note: Student may acquire dual credit through JCCC/College Now, when taken same school year as Horticulture I.

Physical Science Investigations I (Science for the People)  SC 435  .5 Credit  Grades 11-12
Prerequisite: Biology I. This course includes topics of study expanding students’ previous physical science knowledge by offering new applications of concepts in a real world perspective. Applications will include engineering, environmental, biological, chemical, and technological sciences.
### Science

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Credits</th>
<th>Grades</th>
</tr>
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<tbody>
<tr>
<td><strong>Astronomy</strong></td>
<td>SC 440</td>
<td>.5</td>
<td>All Grades</td>
</tr>
<tr>
<td>This semester course is a survey of the study of the universe. The purpose of the course is to introduce students to the various fields of study under the main heading of astronomy and to acquaint the student with some of the methods by which astronomers gather information about the universe. Topics of study may include constellations, stars, planets, the sun, the seasons, the moon and its phases, among others. Students may be expected to make night sky observations during the course of the semester. Guided Enrollment Note: This course is a choice for endorsement in the Geosciences Program at ONHS.</td>
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<table>
<thead>
<tr>
<th><strong>AP Environmental Science</strong></th>
<th>SC 490A/B</th>
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<th>Grades 11-12</th>
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<tbody>
<tr>
<td><strong>Prerequisite: Biology I and General Chemistry.</strong> This lab and field-based course provides students with scientific principles, concepts and methodologies required to understand the interrelationships in the natural world; to identify and analyze environmental problems, both natural and human-caused; to evaluate the relative risks associated with these problems, and to examine alternative solutions for reducing and/or preventing them. This course includes concepts from many disciplines of science. Guided Enrollment Note: Students taking this course are urged to take the AP exam in the spring.</td>
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<table>
<thead>
<tr>
<th><strong>College Biology</strong></th>
<th>SC 510A/B</th>
<th>1</th>
<th>Grades 11-12</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Prerequisite: General Chemistry.</strong> This course is tailored for students planning to pursue a career in a science-related field or for students who desire to complete their college requirement for a natural science credit. The course is structured around contemporary modern biological science concepts and biotechnological principles that are on the forefront of scientific research. Guided Enrollment Note: This class is an advanced course in which the student may acquire dual credit through JCCC/College Now for one semester of Cellular &amp; Molecular Biology.</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>AP Biology</strong></th>
<th>SC 515A/B</th>
<th>1</th>
<th>Grades 11-12</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Prerequisite: General Chemistry.</strong> This Advanced Placement course is designed to be the equivalent of a college introductory biology course usually taken by biology majors during their first year. Students in this course will build a conceptual framework, the factual knowledge and analytical skills to deal critically with the rapidly changing science of biology and to appreciate science as a process. Guided Enrollment Note: Concurrent or previous enrollment in Anatomy &amp; Physiology is recommended. Students taking AP Biology are urged to take the AP exam in the spring. Students may acquire dual credit through JCCC/College Now.</td>
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<thead>
<tr>
<th><strong>Student Naturalist</strong></th>
<th>SC 520A/B</th>
<th>1</th>
<th>Grades 11-12</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Prerequisite: Biology I.</strong> The student will participate in advanced studies in ecology, natural history and field biology. In addition, students will organize and present small group workshops for groups of District elementary students. Each quarter, students will participate in an environmentally based community service project. Guided Enrollment Note: This course is a requirement for endorsement in the Animal Health Program at the 10th Grade level at ONHS. This course is a choice for endorsement in the Geosciences Program at ONHS.</td>
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<table>
<thead>
<tr>
<th><strong>Anatomy &amp; Physiology</strong></th>
<th>SC 530A/B</th>
<th>1</th>
<th>Grades 11-12</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Prerequisite: Biology I.</strong> This class is designed for the college-bound student who is considering a career in a professional medical field. The course offers an in-depth study of higher vertebrate anatomy using human models and diagrams. Insight into the functions of human systems is gained through laboratory study of living tissues, dissection and physiology instrumentation. Guided Enrollment Note: Concurrent or previous enrollment in General Chemistry recommended.</td>
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</table>

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<thead>
<tr>
<th><strong>Genetics and Biotechnology I</strong></th>
<th>SC 540</th>
<th>.5</th>
<th>Grades 11-12</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Prerequisite: Successful completion of General Chemistry is recommended.</strong> This course emphasizes research-grade scientific inquiry. Students will interface with advanced biological concepts and techniques at the intersection of content and technology. Research topics are diverse but may include genetic analysis, ecological survey, microbiological classification, human and model organism analysis, biorobotics, meta-analysis of research topics or programming, and exploration of molecular biology and recent biomedical advances. Students will have an opportunity to visit a variety of clinical facilities such as research labs and developmental learning facilities. Guided Enrollment Note: This course should not be confused with 21st Century Programs offered only at ONHS.</td>
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<table>
<thead>
<tr>
<th><strong>Genetics and Biotechnology II</strong></th>
<th>SC 545</th>
<th>.5</th>
<th>Grades 11-12</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Prerequisite: Genetics and Biotechnology I.</strong> This course emphasizes research-grade scientific inquiry. Students will interface with advanced biological concepts and techniques at the intersection of content and technology. Research topics are diverse but may include genetic analysis, ecological survey, microbiological classification, human and model organism analysis, biorobotics, meta-analysis of research topics or programming. Students will develop and complete an individual research cycle. Guided Enrollment Note: This course should not be confused with 21st Century Programs offered only at ONHS.</td>
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<table>
<thead>
<tr>
<th><strong>General Chemistry</strong></th>
<th>SC 610A/B</th>
<th>1</th>
<th>Grades 10-11-12</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Prerequisite: Biology I.</strong> Chemistry is the study of properties and changes in matter. This study includes the particles that compose matter and how elements and compounds interact. Conceptual understanding is built through visualization, laboratory observation and mathematical representation. Guided Enrollment Note: Concurrent enrollment in Geometry or higher math is recommended.</td>
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<table>
<thead>
<tr>
<th><strong>Honors Chemistry</strong></th>
<th>SC 620A/B</th>
<th>1</th>
<th>Grades 10-11-12</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Prerequisite: Biology I.</strong> Honors Chemistry is a comprehensive introduction to the properties and interactions in matter. Course content includes topics from general chemistry, with additional concepts in greater detail at an accelerated pace. Guided Enrollment Note: Concurrent enrollment in Advanced Algebra II or higher math is strongly recommended.</td>
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<table>
<thead>
<tr>
<th><strong>College Chemistry</strong></th>
<th>SC 630A/B</th>
<th>1</th>
<th>Grades 11-12</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Prerequisite: General Chemistry or instructor recommendation.</strong> This course is tailored for students planning to pursue a career or further study in a science-related field and for those who desire to complete their college requirement for a physical science credit. This is an in-depth study of inorganic chemistry for the college-bound student. Topics and lab work are based on material offered in a first semester college chemistry course. Lab work is utilized to develop basic concepts that will be covered during classroom discussions. Guided Enrollment Note: This is an advanced chemistry course in which the student may acquire dual credit through JCCC/College Now. To apply for dual credit, a COMPASS college algebra score of 46 or an ACT math sub-score of 26 is required.</td>
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### ACT math sub-score of 26 is required.

### Parallel enrollment in Advanced Algebra II or higher math is recommended.

### Concurrent enrollment in Geometry or higher math is strongly recommended.

### Concurrent enrollment in Advanced Algebra II or higher math is recommended.

### Concurrent enrollment in Advanced Algebra II or higher math is recommended.
## Science

### AP Chemistry  SC 635A/B  1 Credit  Grades 11-12

**Prerequisite: General Chemistry or Honors Chemistry.** This course is designed to be the equivalent of the general Chemistry I and Chemistry II courses usually taken during the first college year. This course emphasizes chemical calculations, the mathematical formulation of principles, a variety of laboratory experiences, and a focus on the conceptual analyses of chemical processes. (Advanced topics include Thermochemistry, Kinetics, Equilibrium, Acid/Base, and Electrochemistry). **Guided Enrollment Note:** Physics and Advanced Algebra II are recommended prior to AP Chemistry. Students taking AP Chemistry are urged to take the AP exam in the spring. This is an advanced chemistry course in which the student may acquire dual credit through JCCC/College Now. To apply for dual credit, a COMPASS college algebra score of 46 or an ACT math sub-score of 26 is required.

### Physics  SC 710A/B  1 Credit  Grades 10-11-12

**Prerequisite: Algebra II.** This course places emphasis on learning how to develop concepts and relate them to one another through laboratory experiences. Major emphasis is on the fields of measurement, kinematics (motion), dynamics (mechanical and gravitational forces), momentum and kinetic and potential energy. **Guided Enrollment Note:** Advanced Algebra II is recommended prior to or concurrent with Physics.

### AP/College Physics I  SC 730A/B  1 Credit  Grades 11-12

**Prerequisites: Physics, Advanced Algebra II.** This course is intended to extend the topics covered in Physics. It is designed to be the equivalent of the general Physics I course usually taken during the first college year. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy and power; mechanical waves and sound; fluids and thermal. It also will introduce electric circuits. **Guided Enrollment Note:** This is an advanced physics course in which the student may acquire dual credit through JCCC/College Now. To apply for dual credit a COMPASS college algebra score of 46 or college trig of 1+ or an ACT math sub-score of 26 is required. Students will be prepared to take the AP Exam for Physics I in the spring.

### AP Physics II  SC 735A/B  1 Credit  Grade 12

**Prerequisites: AP/College Physics I.** This course is designed to be the equivalent of a Physics II course usually taken in college. Explore topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics. **Guided Enrollment Note:** Students will be prepared to take the AP Exam for Physics II in the spring.
# Social Science

As students learn about themselves and their responsibilities, they discover what it means to be a productive citizen of the world.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Course</th>
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<th>10</th>
<th>11</th>
<th>12</th>
<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>SS 210 A/B</td>
<td>Modern World History</td>
<td>✓</td>
<td></td>
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<tr>
<td>SS 215 A/B</td>
<td>Pre-AP Modern World History</td>
<td>✓</td>
<td></td>
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<tr>
<td>SS 410</td>
<td>World Geography</td>
<td>✓</td>
<td>✓</td>
<td>.5</td>
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<tr>
<td>SS 415</td>
<td>Pre-AP World Geography</td>
<td>✓</td>
<td>✓</td>
<td>.5</td>
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<tr>
<td>SS 420</td>
<td>World History-Ancient Civilizations</td>
<td>✓</td>
<td>✓</td>
<td>.5</td>
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<tr>
<td>SS 440</td>
<td>Contemporary Issues</td>
<td>✓</td>
<td>.5</td>
<td></td>
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<tr>
<td>SS 460 A/B</td>
<td>AP European History</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>SS 510 A/B</td>
<td>United States History</td>
<td>✓</td>
<td>1</td>
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<tr>
<td>SS 515 A/B</td>
<td>AP United States History</td>
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<tr>
<td>SS 620</td>
<td>Sociology</td>
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<tr>
<td>SS 630</td>
<td>Introduction to Psychology</td>
<td>✓</td>
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<tr>
<td>SS 640 A/B</td>
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<td>✓</td>
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<tr>
<td>SS 665</td>
<td>Cross-Cultural Connections</td>
<td>✓</td>
<td>✓</td>
<td>.5</td>
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<td>.5</td>
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<tr>
<td>SS 710</td>
<td>United States Government</td>
<td>✓</td>
<td>.5</td>
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<tr>
<td>SS 715</td>
<td>AP United States Government and Politics</td>
<td>✓</td>
<td>.5</td>
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</tbody>
</table>

The course below is part of Olathe’s 21st Century Programs. Reference page 52.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Course</th>
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<th>10</th>
<th>11</th>
<th>12</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>SS 645</td>
<td>Sports Psychology</td>
<td>✓</td>
<td>✓</td>
<td>.5</td>
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<td>.5</td>
</tr>
</tbody>
</table>
# Social Science

## Modern World History
**SS 210A/B**  
1 Credit  
Grade 9

This is a required course for graduation. This course is a survey of selected topics in world history from the Middle Ages into the 20th century with a focus on history, economics, government, and geography.

## Pre-AP Modern World History
**SS 215A/B**  
1 Credit  
Grade 9

This course is open to students who desire a challenge in their study of history. This course is a survey of selected topics in world history from the Middle Ages into the 20th century with a focus on history, economics, government, and geography. Activities will be designed to prepare students for success in various social science AP-style courses.

## World Geography
**SS 410**  
.5 Credit  
All Grades

This course emphasizes man’s relationship to his physical environment. Special emphasis is placed on studying physical geography, cultures, and issues throughout the world. Activities include map studies, films, multi-media programs, and special classroom activities.

## Pre-AP World Geography
**SS 415**  
.5 Credit  
Grades 10-11-12

This course is designed to introduce students with many topics related to World Geography with specific emphasis on the geopolitical and cultural aspects of: The Middle East, Africa, Asia, Europe, The Pacific Rim and the Western Hemisphere. This course will explore geographic areas with more detail and with more speed and rigor than regular geography courses. Resources include: textbooks, audio/visual aids, music, essays, research/writing projects, art projects, document analysis etc. Activities will be designed to prepare students for success in various social science AP-style courses.

## World History-Ancient Civilizations
**SS 420**  
.5 Credit  
All Grades

This course is a survey of ancient world history including the beginnings of human civilization, Egypt, Greece, Rome, and select optional ancient cultures. The course will focus on history, economics, government, religion, culture, and geography.

## Contemporary Issues
**SS 440**  
.5 Credit  
Grades 11-12

This course allows students to understand, analyze, assess, and appraise global events and historical contexts. Students will apply the lessons of the past in comprehending the events of the present day.

## AP European History
**SS 460A/B**  
1 Credit  
Grades 10-11-12

This is an academically rigorous course designed to help students develop strong disciplinary literacy skills in reading and writing consistent with a college level course. This class will cover the development of western civilization in Europe from the Renaissance through the turn of the 21st Century. **Guided Enrollment Note:** This course prepares students for the spring AP exam.

## United States History
**SS 510A/B**  
1 Credit  
Grades 11-12

This is a required course for graduation. This course provides a chronological and/or thematic study of American history from the late nineteenth century to the present. **Guided Enrollment Note:** Each semester can be completed independently of the other through eLearning.

## AP United States History
**SS 515A/B**  
1 Credit  
Grades 11-12

This course meets the United States History graduation requirement. This course provides a chronological narrative survey of American history from the colonial period to the present. **Guided Enrollment Note:** This course is an open enrollment course. This course prepares students for the AP test administered in the spring. College credit is available through College Now.

## Sociology
**SS 620**  
.5 Credit  
Grades 10-11-12

This course uses a variety of sociological perspectives to study groups and individuals in society.

## Introduction to Psychology
**SS 630**  
.5 Credit  
Grades 10-11-12

This course includes the introduction of terminology, methodology, and experimentation in the field of psychology. The units emphasized include approaches and theories, sensation and perception, principles of learning, personality, and psychological disorders. **Guided enrollment note:** This course is NOT a pre-requisite for AP Psychology.

## AP Psychology
**SS 640A/B**  
1 Credit  
Grades 11-12

This is an academically rigorous course designed to prepare students for the AP Psychology exam. Units emphasized include approaches and theories, sensation and perception, principles of learning, personality and psychological disorder, human growth and development, neurobiology, cognition and memory learning, states of consciousness, experimentation, social psychology, motivation and emotion. **Guided enrollment note:** College credit is available through College Now. This course prepares students to take the AP Psychology exam. Introduction to Psychology is NOT a pre-requisite for this course.

## Cross-Cultural Connections
**SS 665**  
.5 Credit  
All Grades

This course provides students with the working knowledge of history, civics, geography, and economics to understand the attitudes and skills they need as global citizens in their own community and around the world.
<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Credit</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>United States Government</td>
<td>SS 710</td>
<td>.5 Credit</td>
<td>Grade 12</td>
</tr>
<tr>
<td>This is a required course for graduation. This course examines the origins, development, organizations, power, and actual working of American government and emphasizes the change and developments in recent years.</td>
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<tr>
<td>AP United States Government</td>
<td>SS 715</td>
<td>.5 Credit</td>
<td>Grade 12</td>
</tr>
<tr>
<td>This course meets the United States Government graduation requirement. This course meets the same course content goals and objectives as United States Government at an accelerated pace and to meet requirements established by College Board. This course is an open enrollment course. <strong>Guided Enrollment Note:</strong> College credit is available through College Now either semester and/or through the Advanced Placement Exam administered during the spring semester.</td>
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<tr>
<td>Sports Psychology</td>
<td>SS 645</td>
<td>.5 Credit</td>
<td>Grades 10-11-12</td>
</tr>
<tr>
<td>This course is an introduction to sport and exercise psychology. Students learn about the history of and careers in the area of sports psychology. Topics include behavioral psychology, its principles and applications and practical application of sports psychology as it relates to athletes, coaches, and parents. Students investigate the different social issues that go along with sports psychology, such as gender differences, diversity issues and ethical concerns. <strong>Guided Enrollment Note:</strong> This course is a choice within a program of studies to earn an endorsement in the Sports Medicine/Exercise Science 21st Century Program. This course is offered at Olathe North.</td>
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Special Courses

Not all courses are available in each building. Please enroll through counselor guidance.

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<tr>
<th>CRN</th>
<th>Course</th>
<th>9</th>
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<tr>
<td>WW 352</td>
<td>Reading 9</td>
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<td>WW 353</td>
<td>Reading 10</td>
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<td>WW 354</td>
<td>Reading 11</td>
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<td>Reading 12</td>
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<td>WW 445 A/B</td>
<td>AVID 9</td>
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<td>WW 450 A/B</td>
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<td>WW 455 A/B</td>
<td>AVID 11</td>
<td></td>
<td>1</td>
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<tr>
<td>WW 460 A/B</td>
<td>AVID 12</td>
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<tr>
<td>WW 510 A/B</td>
<td>Student Volunteers</td>
<td></td>
<td>1</td>
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<tr>
<td>YA 410</td>
<td>P.A.C.E./Tutorial</td>
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<td></td>
<td>.5</td>
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<tr>
<td>YA 420</td>
<td>College Readiness Skills</td>
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<td>.5</td>
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<tr>
<td>YA 430</td>
<td>Interpersonal Skills</td>
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<tr>
<td>YA 470</td>
<td>TAPS (Teens As Parents)</td>
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<td>YA 480</td>
<td>Peer Mentor for Interpersonal Skills Class</td>
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<td>ZZ 510 A/B</td>
<td>Office Assistant</td>
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<tr>
<td>ZZ 610 A/B</td>
<td>Teacher Assistant</td>
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</table>
Technology Education

This program uses many activities to study pre-engineering, pre-architecture, construction, communication, manufacturing, transportation, and aerospace technology.

### Introduction to Industrial Technology
**IT 405P**  .5 Credit  All Grades

An introductory level course designed to provide students with the basic skills necessary to understand the construction, manufacturing, transportation and communication areas.

### Pre-Engineering Drawing/CAD I
**IT 410P**  .5 Credit  All Grades

This is the introductory drafting technology class. Students learn basic fundamentals of manual engineering drawing and computer-aided drafting (CAD). Several forms of graphic and electronic communication are explored. Students are exposed to graphic design, problem-solving, research and design, and model construction.

### Engineering Drawing/CAD II
**IT 420P**  .5 Credit  All Grades

**Prerequisite:** CAD I. In this course technical types of drawings used in industry are explored. Students are presented with problem-solving situations involving the various types of communication systems worked with in CAD I.

### Architectural Design Drawing/CAD III
**IT 430P**  .5 Credit  Grades 11-12

**Prerequisite:** CAD II or consent of instructor. This course provides a study of the fundamental principles of structural design common to buildings, bridges, homes, and other structural frameworks. Students may design homes, construct models, experience structural testing, and develop design presentations.

### Advanced Engineering Drawing/CAD IV
**IT 440P**  .5 Credit  Grades 11-12

**Prerequisite:** CAD III or consent of instructor. Students in their fourth semester may select to pursue advanced study in any of the areas of drawing or CAD technology. Projects are developed between the instructor and the student. This course is recommended for any student interested in a career in one of the many related fields of engineering drawing, architectural drawing or CAD technology.

### Production Technology
**IT 610P**  .5 Credit  All Grades

This course includes project-oriented activities related to the construction industry, manufacturing, materials, and their processes. Activities include: team problem solving, individual projects, and introductory manufacturing processes. Students work with metals, woods, and plastics: in mass production and individual design activities. **Guided Enrollment Note:** A lab fee is required for materials used.

### Advanced Production Technology
**IT 620P**  .5 Credit  Grades 10-11-12

**Prerequisite:** Production Technology Students study various methods used to process and transform materials including skills common to all manufacturing occupations such as blueprint reading, safety, hand and power tools, bonding, forming, and computer automations. **Guided Enrollment Note:** A lab fee is required for materials used.

### Communication Technology
**IT 820P**  .5 Credit  All Grades

This course focuses on the basic concepts of communication technology. Students integrate a variety of audio/video communications with an emphasis on: broadcasting, video production and music production. **Guided Enrollment Note:** Out-of-class time is required. A lab fee may be required.

### Advanced Communication Technology
**IT 900P**  .5 Credit  Grades 11-12

**Prerequisite:** Communication Technology and instructor recommendation. This course builds on knowledge gained in Communication Technology. Emphasis is the production of public service announcements, features, documentaries, broadcasting, radio disc-jockey, and special event or highlight videos. **Guided Enrollment Note:** Out-of-class time is required. A lab fee may be required.

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### Technology Education

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The courses below are part of Olathe’s 21st Century Programs. Reference pages 46, 56 and 57.
Technical Education • Center-Based

Technical Education Center-Based

Center-based career and technical education courses are offered at six Olathe sites: Olathe North, Olathe Northwest, Olathe South, Olathe Advanced Technical Center (OATC), Harmony and Heartland. Technical education credit may be applied toward high school graduation and counts as a practical and consumer studies credit. These courses provide students with an opportunity to explore career interests and become college and career ready. Students gain knowledge and experience to meet requirements of many technology, health, business, and Family and Consumer Sciences related fields. Specific questions regarding program information, enrollment procedures, and the application process should be directed to your high school career counselor or the Olathe Advanced Technical Center (OATC) principal (913-780-7026).

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### Technical Education

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### Early Childhood Learning Centers

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Technical Education

Culinary Arts I  VE 341X
Culinary Arts I/Baking & Pastry II
VE 341P-344P  3 Credits  Grades 11-12

Culinary Arts I
This structured Culinary Arts program develops high level skills and competence demanded in the food service industry. Students have a monthly opportunity to work in their very own Culinary Restaurant. This is a sequential program that prepares students for occupations and higher education programs of study related to culinary arts and hospitality industry. Guided Enrollment Note: Baking and Food Science and/or Culinary Preparation I strongly recommended as prerequisite classes.

Culinary Arts II  VE 370X
Culinary Arts II/Event Plan & Mgmt/Culinary Applications
VE 370P-375P  3 Credits  Grade 12

Culinary Arts II
This in-house training program is for the student who has an interest in the culinary industry. Areas of interest include teamwork, decision making process, personal career skills, goal setting, leadership, business etiquette, conflict resolution, professional dress, communication, workplace ethics, career education, resume writing, finding and applying for a job, and interview preparation. The students have a monthly opportunity to manage their very own Culinary Restaurant. Upon completion of this course, the student will be prepared for supervisory positions in the hospitality industry.

Construction Trades I  VE 440X
Carpentry I/Remodel & Maintenance/Cabinetmaking & Furniture Design I/Plumbing Technology
VE 440P-443P  3 Credits  Grades 11-12

A comprehensive course designed to teach students the knowledge and basic skills required to build, remodel and maintain a home. In this program students will participate in the construction of a single family residence.

A course designed to instruct students in the basic skills and knowledge required for cabinetmaking and to expose students to the basic installation and maintenance of residential mechanical systems, emphasizing on plumbing systems. In this program students will participate in the construction of a single family residence.

Construction Trades II  VE 445X
Carpentry II/Electrical & Security Systems/HVAC & Plumbing Systems/Cabinetmaking & Furniture Design II
VE 445P-448P  3 Credits  Grade 12

Prerequisite: Construction Trades I. An advanced comprehensive home building course focused on all aspects of residential carpentry and exposure to the basic installation and maintenance of residential mechanical systems, emphasizing on electrical systems. In this program students will participate in the construction of a single family residence.

An advanced course providing students with skills and experience in cabinetmaking, and installation, residential trim work and student exposure to the basic installation and maintenance of residential mechanical systems, emphasizing on HVAC systems. In this program students will participate in the construction of a single family residence.

Automotive Chassis and Driveline  VE 600X
Engine Mechanical Repair/Steering & Suspension/Adv Steering/Suspension/Brakes/Adv Brakes/Engine Performance I
VE 600P-605P 3 Credits  Grades 11-12

Automotive Chassis an Driveline includes classroom and lab activities using state of the art equipment in the following areas: brakes, suspension, steering, engine repair, drivelines and HVAC systems. Brakes and Suspension and Steering are NATEF approved programs and prepare the student for entry level jobs, post secondary training including but not limited to junior college, four year universities and technical schools. This class also articulates with JCCC, allowing the student to receive up to nine hours of automotive training with enrollment at the college as well as completion of all approved requirements.

Auto Electrical and Drivability  VE 607X
Fundamentals of Electronic/Electrical Systems/Advanced Electronics/Electrical Systems/Engine Performance II
VE 607P-612P  3 Credits  Grades 11-12

Auto Electrical and Drivability allows students to develop understanding of all electrical and emission systems used in the modern automobiles. Areas of emphasis include: batteries, starters, charging systems, lighting, computer-controlled engine systems, fuel injection, ignition, and future trends in the automotive system. Students have the opportunity for job shadow activities and to compete in state and national contests through SkillsUSA and Ford/AAA. This NATEF approved program prepares students for entry level jobs and/or post-secondary training. This program articulates with JCCC and allows for students to receive advanced standing credit in college for completion of the program within the guidelines established by JCCC. Guided Enrollment Note: Successful completion of Algebra I or Chassis and Drivelines is recommended.

Welding Technology I  VE 461X
Manufacturing Prcss/Prod Welding Prcss I/Mass Prod I
VE 461P-467P  3 Credits  Grades 11-12

A comprehensive course design to instruct students in various methods used to process and transform materials. Includes skills common to all manufacturing occupations such as blueprint reading, safety, hand & power tools, bonding, casting, forming, computer automations, LEAN manufacturing, soldering & metallurgy. A comprehensive course designed to provide students with knowledge and skills in basic welding theories and terminology, to perform Oxy-fuel and Arc Welding activities in the F & H positions, and to perform Non-destructive testing activities.

A comprehensive course designed to instruct students in the knowledge and skills required for fabricating products using a variety of materials (wood, plastic, metal &/or composites). Guided Enrollment Note: These courses run concurrently: Manufacturing Processes, Production Welding Processes I, Mass Production. These three courses are Welding Tech I.
Technical Education

Welding Technology II VE 468X
Mass Prod II/Prod Welding Prcess II/R&D for Manufacturing VE 468P-473P
3 Credits Grade 12

Prerequisite: Welding Technology I. An application level course designed to instruct students in the knowledge and skills required for fabricating products using a variety of materials (wood, plastic, metal &/or composites).
An application level course designed to instruct students in the knowledge and skills needed for solving fabrication problems, to weld joints in the V & OH positions, and perform Plasma cutting.
An advanced level course that provides students with work-based experience, supported by classroom attendance and discussion, within their area of interest/study. Guided Enrollment Note: These courses run concurrently: Mass Production II, Production Welding Processes II, Research & Design for Manufacturing. These three courses are Welding Tech 2.

Automotive Collision Technology I VE 620X
Auto Collision I/Auto Refinishing I/ Mobile HVAC/Research and Emerging Trends in Transportation/Custom Refinishing and Application A
VE 620P-624P 3 Credits Grades 11-12

Automotive Collision Technology II VE 625X
Auto Collision II/Auto Refinishing II/Refinishing and Application B/
Fundamentals of Electronic/Electrical System
VE 625P-606P 3 Credits Grade 12

Auto Collision Technology teaches students to assess damage and make appropriate repairs on vehicles through hands-on experiences. First-year students cover welding, hand and power tools, body shop materials, minor body repair, painting equipment, and minor automobile refinishing. Second year students cover mig electric welding, power tools, estimating, major body repairs, major refinishing, and auto body trim. Students have the opportunity for job shadow activities and to compete in state and national contests through SkillsUSA. This program prepares students for entry level jobs and/or post-secondary training. An articulation agreement with JCCC and KCKCC allows students to receive advanced standing credit for successful completion of this program within the guidelines established by the post-secondary institution.

Early Childhood Career Opportunities

The Early Childhood Career Opportunities Program (ECCO) is located at Olathe’s two early childhood centers. Courses provide students with an opportunity to explore career interests and prepare for work or college. For specific questions regarding program information, please contact your high school counselor or call 780-7410.

ECCO I VE 411X
Orientation/Foundations to Early Childhood Development VE 411P/412P
2 Credits Grades 11-12

Early Childhood Career Opportunities I (ECCO I) is for the student who is interested in learning about young children and who wishes to work with preschoolers in an education setting. Students are introduced to careers in the field of early childhood education. Three days of the week, high school students assist with planning and implementing learning activities with children in the preschool classroom. The other two days, high school students plan and prepare for the preschooler and study related topics such as: growth and development, health and safety, working with children with special needs, and child care and education career opportunities. Guided Enrollment Note: This course is taught at Heartland and Harmony Early Childhood Centers.

ECCO II VE 421X
Functions/Applications in Early Childhood Development VE 421P/422
2 Credits Grade 12

Prerequisite: ECCO I. ECCO II is designed for seniors who completed ECCO I and who want to explore additional aspects of the early childhood profession. In ECCO II, students apply the information they learned in ECCO I in various preschool and early primary classrooms within the Olathe District. Students develop a professional resume and portfolio. Workshops and seminars on effective teaching strategies, child development, and other aspects of effective instruction are included in the coursework. Guided Enrollment Note: Individual transportation required.

(Certified Nurse Assistant)

SC 500P .5 Credit Grades 10-11-12
SC 505P 1 Credit Grades 12

1 Semester. See course descriptions for SC 500P and SC 505P on page 50. Guided Enrollment Note: Seniors have priority for enrollment in SC 505P.

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Environmental Design

Environmental Design (ENVD) introduces students to a wide variety of design fields including architecture, industrial, interior, landscape, and graphic design and engineering as well as enhancing verbal and graphic communication skills. Students in this program have the opportunity to earn an ENVD endorsement and to participate in shadowships.

ENVD students will have the skills and potential to be the leaders in designing the future environment in which we work, live and play.

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**Introduction to the Built Environment**

AR 400A/B 1 Credit Grade 9

This exploratory course examines a variety of aspects that encompass the designed environment in which we work, live and play. Students will observe skills designers use to create the products and places people interact with daily. This class includes “The Design Process” observational drawing, introductory CAD, and various other graphic communication methods and technology. Students survey various design fields and create fundamental projects that incorporate many design careers. This course serves as a prologue to the ENVD Graphic Communication/Drawing & Design courses. Guided Enrollment Note: This course is taught by both IT and AR instructors.

**Built Environment Drawing and Design**

AR 750A 1 Credit Grades 10-11-12

The focus of this course is on built environment education through drawing and the use of elements and principals of design. This class includes drawing from observation, 2-D and 3-D design, and sketchbook and portfolio development. Visual perception skills will be demonstrated by merging drawing and design. Guided Enrollment Note: This course is required for an endorsement. Course taught concurrently with IT 550P/IT 551P.

**Graphic and Communications Methods**

IT 550P/IT 551P 1 Credit Grades 10-11-12

This course focuses on layout, composition and presentation methods with emphasis placed on architecture and manufactured projects. CAD software is used to produce presentation drawings such as orthographic, isometric, auxiliary views and perspectives. Students produce a presentation of a variety of subjects including: buildings, bridges, land development, functional objects, abstract or concept vehicles. Guided Enrollment Note: This course is required for an endorsement. Course taught concurrently with AR 750A/B.

**Environmental Design Studio I & II**

AR 755A/B/IT 760P/IT 761P 2 Credits Grades 11-12

Prerequisite: IT 550P/IT 551P and AR 750A/B. This course focuses on the application of elements and principles of form and space in design and includes the use of techniques for visually representing a design idea. Students design a number of functional projects suitable for a particular problem. Each student participates on a team in Firm Simulations. Activities include technical illustrations, board presentations, peer critiques, and model building. Students are introduced to and investigate applications for sustainable design. Guided Enrollment Note: This course is required for an endorsement.

**Environmental Design Studio III & IV**

AR 760A/B/IT 765P/IT 766P 2 Credits Grade 12

Prerequisite: AR 755A/B/IT 760P/IT 761P. This course focuses on the application of advanced elements and principles of form and space in design and includes the use of techniques for visually representing design ideas. Emphasis is placed on computer skills such as word processing, spreadsheets, graphic layout and presentation software. Topics include computer basics, Internet research, and technical reading and writing. Students create a design that includes attention to ergonomics and aesthetics. Activities include board presentations, CAD drawings and model-making. Students continue to research and apply sustainable applications to their designs. Guided Enrollment Note: This course is required for an endorsement.
OlaTHE LEADERSHIP

Able leadership is a necessity to meet the challenges of the 21st century. Olathe Leadership Studies incorporates existing curriculum and creates new and innovative courses focused on leadership theory, leadership development and application of leadership. Olathe Leadership Studies relies on two important components: the curricular component and the experiential component. The curricular component consists of 5 credits: required courses of Leadership I-IV and selected courses from the areas of Social Science, Business and Communications.

ENDORSEMENT LEVELS are based upon coursework completion, leadership demonstration and school and community service. Presidential Service Award recognition is necessary to earn the highest endorsement.

**Leadership I**

**YA 500**
**.5 Credit**
**Grades 9-10**

The purpose of this class is to develop the leadership skills in each student. The students will read and study “The 7 Habits of Highly Effective Teens” by Sean Covey. The students will engage in community service projects in the community and in the school.

**Guided Enrollment Note:** This course is part of the Olathe Leadership Studies endorsement program but is open to Olathe East freshmen and sophomore students. Acceptance into the program upon approval of the Leadership Executive Team.

**Leadership II**

**YA 510**
**.5 Credit**
**Grades 10-11**

**Prerequisite:** Successful completion of Leadership I, Program participant must gain approval from Olathe Leadership Studies staff to enroll.

The purpose of this course is to introduce the students to basic types, models and styles of leadership. The students will identify communication skills necessary for effective leadership. They will further develop leadership roles and responsibilities in group settings. The students will develop an awareness of gender, ethnic and multicultural needs of the community. The students will also engage in service learning projects designed to enhance skills and promote understanding of school and community needs.

**Guided Enrollment Note:** This course is part of the Olathe Leadership Studies endorsement program. Acceptance into the program upon approval of the Leadership Executive Team.

**Leadership III**

**YA 515**
**.5 Credit**
**Grades 11-12**

**Prerequisite:** Successful completion of Leadership I & II; Program participant must 1) have successfully completed two leadership roles and 2) gain approval from Olathe Leadership Studies staff to enroll.

The purpose of this course is to synthesize knowledge from previous courses to further develop leadership roles and responsibilities in community settings. Students will engage in community needs assessments and participate in practical service learning opportunities.

**Guided Enrollment Note:** This course is part of the Olathe Leadership Studies endorsement program.

**Leadership IV**

**YA 520**
**.5 Credit**
**Grade 12**

**Prerequisite:** Successful completion of Leadership I, II, III; Program participants must 1) have successfully completed three leadership roles and 2) gain approval from Olathe Leadership Studies staff to enroll.

The purpose of this course is to synthesize learning from previous courses and utilize this knowledge in an individual project. Semester-long projects will be proposed to and approved by a school/community panel. Successful completion of course requirements and panel approval are basis for endorsement consideration.

**Guided Enrollment Note:** This course is part of the Olathe Leadership Studies endorsement program.
Animal Health
Study all areas of animal health through innovative laboratories field experiences and interaction with animal health professionals. Students will develop an extensive science knowledge through a unique partnership with Kansas State University.

Life Sciences
From ground-breaking research to hands-on patient care, this program offers opportunities for students with a wide range of interests...

- Biotechnology: Working with DNA and proteins in a laboratory setting
- Biomedical Studies: Combining biotechnology skills with student interest in research and medical careers
- Health Careers: Combining classroom and clinical instruction for basic care of patients in long-term facilities. This focus may also be taken as an independent course of study to prepare for the Kansas Certified Nurse Assistant test

Distinguished Scholar
Seeking highly academically talented students in several areas: This program offers:

- Individualized studies under the direction of mentor teachers to provide academic experiences not typically available
- Participation in unique observations, internships and travel experiences
- Opportunities for academic scholarships

Total program enrollment is limited and is based on successfully meeting program requirements including teacher recommendation, interview, GPA, and test scores.

Geosciences
Explore and experience the Earth Sciences in areas such as marine biology, oceanography, astronomy, meteorology, paleontology, and environmental studies; including self-directed research opportunities.

- Use facilities that include over 2000 gallons of aquaria with a diverse collection of organisms for study, telescopes, a weather station connected to KCTV-5’s meteorology center, and a triceratops donated through the Olathe High School Alumni Class of 1971.
- Become skilled in a variety of science tools including Geographic Information Systems and Global Positioning Systems.
- Do project-based research both in the lab, during field trips and on optional summer field experiences.

Sports Medicine and Exercise Science
Learn skills that not only provide lifelong health, wellness and stress management but lead to a variety of career opportunities...

- Extensive study in prevention and treatment of athletic injuries
- Certification in CPR, AED, First Aid and Sports Safety
- Extended learning opportunities with sports medicine professionals in the work place
- CNA-Certified Nursing Aide (JCCC 5 college credits)
- EMS-Emergency Medical Services (JCCC 5 college credits)
- Mentor with a professional Certified Athletic Trainer.
- Assist in the assessment of athletic injuries and the rehabilitation modalities in a superior equipped training facility.

Applications for entry into this four-year program are accepted prior to enrollment for a student’s Freshman year. Applicant’s grades and teacher recommendations will be reviewed.
## Transfer Programs

### Animal Health

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<th>CRN</th>
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<tr>
<td>SC 570</td>
<td>Lab Tech</td>
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### Life Sciences

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### Distinguished Scholar

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### Geosciences

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<td>SC 450</td>
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### Sports Medicine/Exercise Science

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<td>Intro to Exercise Science</td>
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Animal Health

Zoology SC 555A/B 1 Credit Grade 12
This course is designed to examine major groups of invertebrates and vertebrates found throughout Kingdom Animalia. Emphasis will be placed on body structures and functions, behaviors, and evolutionary relationships among the phyla. Lab components will allow students to examine differences among the phyla. Dissections are a major part of this lab-based class. Veterinary Medicine components also will be included in 25% of this required 21st Century Animal Health program class.

Life Sciences

Exploring Health Careers SC 500P .5 Credit Grades 10-11-12
Prerequisite: Biology I. Students in this course will explore the many options of health careers by creating a health career portfolio; interacting with health care professionals (in class and through visits to health care facilities); demonstrating a basic understanding of health care systems; applying science knowledge and skills in health care situations; applying mathematics, technology, and communications skills to health career situations; learning teamwork and leadership skills; and becoming an informed health care consumer. Guided Enrollment Note: This course is a choice for a program of studies to earn an endorsement in the Biotechnology/Life Sciences and Sports Medicine/Exercise Science programs at Olathe North High School. This course is also open to any student at ONHS and a student from any school who wishes to enroll concurrently in the CNA preparation course. Concurrent enrollment in Biology I is allowed.

Adv. Health Careers (Certified Nurse Assistant) SC 505P 1 Credit Grades 12
Through partnership with JCCC, the CNA Preparation class is offered as a 2-hour, 1 semester-block. Content meets the requirements for the Kansas CNA certification exam, consists of college-level material and is delivered through direct instruction and online. Students learn to successfully demonstrate CNA skills, including patient care in daily hygiene, bedside care, vital-signs, and CPR training in the lab prior to attending clinicals. Successful completion of CNA class work and clinicals is required to qualify to take the Kansas CNA exam. Guided Enrollment Note: See your counselor for specific enrollment information. Associated with this class are eight clinical labs at a local nursing center requiring students either to report early or stay beyond regular school hours. Senior status strongly recommended. Any Olathe high school student may attend this semester course at Olathe North. Concurrent enrollment in Exploring Health Careers may be considered.

Genetics and Biotechnology I SC 540 .5 Credit Grades 10
Completion or concurrent enrollment in Chemistry or Honors Chemistry is required. This course emphasizes research-grade scientific inquiry. Students will interface with advanced biological concepts and techniques at the intersection of content and technology. Research topics are diverse but may include genetic analysis, ecological survey, microbiological classification, human and model organism analysis, biorobotics, meta-analysis of research topics or programming, and exploration of molecular biology and recent biomedical advances. Students will have an opportunity to visit a variety of clinical facilities such as research labs and developmental learning facilities. Guided Enrollment Note: Life Science Students Only.

Forensic Biotechnology SC 550 .5 Credit Grades 10-11-12
Prerequisite: Honors/General Biology I and Honors/General Chemistry. This course explores the principles and skills of biotechnology used in forensic science. The topics in the course focus on collection methods and analysis of crime scene evidence. These methods will include: hair identification, blood analysis, DNA profiling, fingerprint identification, and forensic entomology. The topics will be presented through interactive lecture, laboratory studies, mock crime scene processing, and guest speakers. Guided Enrollment Note: This course is a choice within a program of studies to earn an endorsement in the Life Sciences Program at ONHS. This course also is open to all ONHS students. Concurrent enrollment in Chemistry may be considered.

Advanced Biotechnology: Cellular and Molecular Biology SC 560A/B 2 Credits Grades 11-12
Prerequisite: Honors/General Biology I and Honors/General Chemistry. This course is for students interested in advanced biological studies. Students will develop biotechnology skills of investigation and learn concepts of genetics and developmental biology on a molecular and cellular level. The main focus of this course is on DNA and proteins within living organisms. Students will apply their skills and learning in real-world situations, including student research projects. Guided Enrollment Note: This two-hour, two-semester class is required for an endorsement in the Biotechnology and Biomedical tracks of the Life Sciences Program. Two-hours, one semester is required for an Animal Health endorsement. Concurrent enrollment in Chemistry may be considered.

Lab Tech SC 570 .5 Credit Grade 9
Program students in this course will be introduced to laboratory skills, experimental methods, and careers in science. Laboratory skills and collection of data will be valuable in all future science classes. Designing and interpreting experiments is fundamental to scientific research and can be directly related to future careers. Guided Enrollment Note: This is a required course for endorsement, and only open to students in the Animal Health, Life Sciences and Geosciences 21st century programs at ONHS.

Life Science Senior Project SC 580 (.5)/SC580A/B .5-2 Credits Grade 12
Senior Project is a course of study that includes either a research project or a field experience as per instructor approval. Guided Enrollment Note: Approval of Life Sciences Facilitator required.

Distinguished Scholar

Basic Photography AR 450 .5 Credit Grades 10-11-12
This is an introduction to photography as a visual communication. This course explores photographs and 35mm cameras. Emphasis is placed on the developing and printing of black and white film and the aesthetics of picture taking. In addition, the course will cover the basic fundamentals of photography (use of the camera and its components) and darkroom techniques that include film development, use of the enlarger, and paper development. Guided Enrollment Note: Available through Distinguished Scholar only at ON.
### Advanced Photography

**Prerequisite: Basic Photography.** The course covers advanced and applied photography in black and with an emphasis on craftsmanship, problem solving, and visual communication. Further emphasis is placed on the development of the student’s ability to apply creative thinking and contemporary techniques in executing meaningful and professional photographs. **Guided Enrollment Note:** Available through Distinguished Scholar only at ON.

**Advanced Photography**  
**AR 460**  
.5 Credit  
Grades 11-12

### DS Freshman Expedition

Ninth graders accepted to the Distinguished Scholars Program will enter a freshmen seminar in which students will use Expeditionary Learning strategies. Freshmen will participate in Expeditionary Learning investigations that integrate the five curricular Distinguished Scholars areas. Freshmen will build relationships with each other and become familiar with the Distinguished Scholars content areas. At the end of their 9th grade year, students who have met the required criteria will be eligible to choose a content area to enter for the next year.

**DS Freshman Expedition**  
**WW 240A/B**  
1 Credit  
Grade 9

### Symposium

DS Symposium is a research-based class involving all of the DS program areas. Through the Expeditionary Learning model, a topic is chosen for active investigation. Students conduct research through primary sources, expert speakers, and field work. Students analyze, assess, and appraise current events and historical contexts. Students will apply the lessons of the past in comprehending the events of the present day.

**Symposium**  
**WW 250-267**  
1 Credit  
Grades 10-11-12

### Geosciences

**Marine Biology**  
**SC 415**  
.5 Credit  
Grades 10-11-12

**Prerequisite: Biology I.** This course serves as an introduction to the biology of marine organisms and will present a broad overview of the field. Students will study the anatomy of marine organisms through the observation of live species in our aquaria and dissection of lab specimens. Other topics of study include the marine environment, physical factors influencing marine organisms, marine ecosystems, and the diversity of marine life. It will emphasize classification, distribution, ecology, physiology, major community types, and economic impact on marine organisms. **Guided Enrollment Note:** This course is a choice for endorsement in the Geosciences and Animal Health programs at Olathe North. This course also is open to any student at Olathe North.

**Physical Oceanography**  
**SC 450**  
.5 Credit  
All Grades

Whether you live on the coast or in the middle of the continent, oceans affect life on earth. Studies will include hands-on lab investigations in the Geosciences lab at ONSHS. Topics will include history of, present structure, exploration, physical & chemical characteristics, as well as the current state of the world’s oceans affecting life on Earth. **Guided Enrollment Note:** This course is a choice for endorsement in the Geosciences program at Olathe North. This course is also open to any student at Olathe North.

**Advanced Geoscience I**  
**SC 470A/B**  
1 Credit  
Grades 11-12

This course utilizes information and skills from previous Geosciences coursework where students will complete a senior project. Senior projects are individually tailored to the student’s interest and include project-based field research from a variety of earth science topics, or a professional-based field experience (such as an internship). Students will also learn and apply computer skills to study earth systems (such as GIS, field data collection and online collaborations). Studies will include lab and field investigations. **Guided Enrollment Note:** This course is a requirement for endorsement, and only open to students, in the Geosciences program at ONHS.

**Meteorology**  
**SC 475**  
.5 Credit  
Grades 11-12

**Prerequisite: Algebra II.** This course will develop an understanding of earth’s weather and climate. Topics include atmospheric processes, heat exchange, water cycle, severe weather and weather prediction. **Guided Enrollment Note:** This course is a choice for endorsement in the Geosciences program and is open to any student at Olathe North.

**Aquatic Methods**  
**SC 480A/B**  
1 Credit  
Grades 10-11

Students in this hands-on course will study the closed environments of ocean ecosystems with our facilities multiple salt and fresh water aquaria. Students will study the various filtration systems, conduct water quality studies, analyze data in the chemistry of the water, problem-solve issues and transition new life into the aquaria. Students will also share their knowledge and skills through interpretive (teaching) programs to local elementary students. **Guided Enrollment Note:** This course is a requirement for endorsement in the Geosciences program and is a choice for endorsement in the Animal Health program. This course only is open to Geosciences and Animal Health students at ONHS.

**Lab Tech**  
**SC 570**  
.5 Credit  
Grade 9

Program students in this course will be introduced to laboratory skills, experimental methods, and careers in science. Laboratory skills and collection of data will be valuable in all future science classes. Designing and interpreting experiments is fundamental to scientific research and can be directly related to future careers. **Guided Enrollment Note:** This is a required course for endorsement, and only open to students, in the Animal Health, Life Sciences and Geosciences 21st century programs at ONSHS.
### Foundations of Sports Medicine (Sports Med I)

**SC 455P**  
**.5 Credit**  
**Grades 10-11-12**

This course will explore related career fields in sports medicine, including Exercise Science, fitness instruction, and physical therapy. Students will study ethical and legal considerations as well as emergency first aid and be able to design and assess fitness programs. Students will participate in lab experiences, including taping, wrapping and bracing.

### Prevention, Treatment and Rehabilitation of Athletic Injuries (Sports Med II)

**SC 460P/SC 461P**  
**1 Credit**  
**Grades 11-12**  
**Prerequisite: Foundations of Sports Medicine.**

Skills acquired in this course build on the fundamentals from Foundations of Sport Medicine. Students will review Emergency Preparedness and First Responder information and expectations. Students will examine various athletic injuries, including injuries to the head and spine, upper extremities, lower extremities, and chest/abdominal area. Treatment, rehabilitation, and “return to play” protocols will be investigated. **Guided Enrollment Note: Recommend previous or concurrent enrollment in Anatomy & Physiology.**

### Sports Medicine Internship (Sports Med III)

**SC 465P**  
**1 Credit**  
**Grade 12**  
**Prerequisite: Foundations of Sports Medicine; Prevention, Treatment & Rehabilitation of Athletic Injuries; Anatomy & Physiology.**

Students will develop a portfolio, apply their skills and learning in real-world situations and engage in research which will enhance their field experience or internship. **Guided Enrollment Note: Students participate in an individual field experience/externship. This course is a two-hour, one-semester course. Individual transportation required.**

### Sports Medicine Health & Physical Education

**PE 420A/B**  
**1 Credit**  
**Grade 9**

An integrated and in-depth approach is used to teach wellness, fitness, sports, nutrition, mental health, social health, drug education, AIDS, and more. Students learn to assess their own fitness levels and administer fitness assessments for other students. Students learn to use pedometers, heart rate monitors, and other fitness assessment tools. **Guided Enrollment Note: This course is required for the Sports Medicine program and replaces P.E. 410. This course fulfills the health requirement for graduation.**

### Sports Psychology

**SS 645**  
**.5 Credit**  
**Grades 10-11-12**

This course is an introduction to sport and exercise psychology. Students learn about the history of and careers in the area of sports psychology. They look at behavioral psychology, its principles and applications. They learn about practical application of sports psychology as it relates to athletes, coaches, and parents. They also investigate the different social issues that go along with sports psychology such as gender differences, diversity issues and ethical concerns.

### Wellness and Rehabilitation Clinic

**SC 468P**  
**.5 Credit**  
**Grade 12**

This course is designed for second and third year Sports Medicine students. The Wellness and Rehabilitation Clinic provides a practical setting for Sports Medicine students to facilitate physical therapy and rehabilitation programs for student athletes. Students conduct fitness assessments, provide rehab with therapeutic modalities and protocols, and conduct return-to-play evaluations in coordination with the school’s athletic trainer. **Guided Enrollment Note: Instructor’s permission required; see program facilitator for additional required coursework.**

### Introduction to Exercise Science

**SC 469P**  
**.5 Credit**  
**Grade 12**  
**Prerequisite: Prevention, Treatment & Rehabilitation and Anatomy & Physiology or Instructor Approval.**

This course is designed to introduce senior Sport Medicine students to exercise physiology, kinesiology and biomechanics. Students will understand ATP, phosphocreatine, Lactic acid and the Kreb’s cycle. Students will measure total body mass center of gravity and how force affects it. Students will explain the four quadrants of Why People Move and communicate the importance of physical activity.
e-Communication

Get hands-on experience in Graphic Design, Web Design & Development, Video Production, and Animation.

- Broadcast the news, create 3D designs and special effects, develop a Web site or produce marketing materials for a real client.
- Work with professionals through internships and other experiences.
- Become skilled in teamwork, creative problem-solving and effective and innovative communication.

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<tr>
<th>CRN</th>
<th>Course</th>
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<th>10</th>
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e9  
**CP 400P/CP 401P**  
1 Credit  
Grades 9

Students are exposed to each e-Communication strand so that students are capable of selecting their focus area. e9 provides a basic understanding of the communication process. Topics include analyzing the design elements and principles, exploring industry tools, software and equipment and learning composition techniques to develop a quality product. This course is hard-hitting and production oriented, simulating the real work environment of the communication industry. 

Guided Enrollment Note: e9 is required for additional enrollment in e-Communication program classes and for program endorsement.

### Graphic Design

<table>
<thead>
<tr>
<th>Exploring Graphic Design</th>
<th>AR 601P/AR 602P</th>
<th>1 Credit</th>
<th>Grades 10-11-12</th>
</tr>
</thead>
</table>

Students are introduced to graphic design as a form of visual communication through the use of type, image, form, and color. Working with a variety of digital tools and software, used by design and interactive media companies worldwide, students learn the principles of design and apply them to produce a variety of works; including design layout, photo manipulation, product design, and typography. In addition, students discover a wide range of career possibilities available to the digital artist & graphic designer.

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<thead>
<tr>
<th>Graphic Design Essentials I &amp; II</th>
<th>AR 625P/AR 628P</th>
<th>2 Credits</th>
<th>Grades 11-12</th>
</tr>
</thead>
</table>

**Prerequisite:** Exploring Graphic Design AR 601P/AR602P. Students delve deeper into the possibilities of digital as light, color, texture, and representational rendering. Students produce digital abstracts, landscapes, portraits and environments. 

Guided Enrollment Note: e-Communication students, in addition to the above will be required to do the following: work 50 hours during their sophomore and junior year to complete a project that is appropriate for endorsement along with proper documentation and a written reflective paper.

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<tr>
<th>e-Communication Studio I &amp; II</th>
<th>CP 700P/CP710P</th>
<th>2 Credits</th>
<th>Grade 12</th>
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Students use knowledge attained in previous strands of e-Communication to develop client-based projects. Collaboration, teamwork, listening skills, and working with customers will be emphasized in this course. Students also create a portfolio of work that may be submitted to the College Board for college credit as well as to colleges and art schools for admission and scholarship competitions.

### Web Design

<table>
<thead>
<tr>
<th>Exploring Web Design</th>
<th>CP 551P/CP 552P</th>
<th>1 Credit</th>
<th>Grades 10-11-12</th>
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</thead>
</table>

Students are immersed in a hands-on introduction to web design and development, covering topics such as HTML, CSS, and graphic design & animation for the Web -- using tools such as DreamWeaver, PhotoShop, and Flash. Students are introduced to mobile web technology, explore career options, create websites for client case studies, and address user interface design and usability issues. By the end of this course, students design, create, and implement basic websites from start to finish.

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<tr>
<th>Web Design Essentials I &amp; II</th>
<th>CP 555P/CP 560P</th>
<th>2 Credits</th>
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</thead>
</table>

Students create Websites using advanced graphic and web design techniques, following effective layout, user-interface, usability, and cross-platform compatibility principles. Students also use elements of advanced Web development, such as HTML5, CSS3 and JavaScript in creating Websites. Students learn to create websites that are responsive to mobile, tablet, and desktop screen sizes. Students learn how to set up and manage an Apache web server, and learn scripting and database skills using PHP and MySQL. Students also learn how to install, manage, and edit content management sites for portfolios, blogs, and client websites.

<table>
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Students use knowledge attained in previous strands of e-Communication to develop client-based projects. Collaboration, teamwork, listening skills, and working with customers will be emphasized in this course. Students also create a portfolio of work that may be submitted to the College Board for college credit as well as to colleges and art schools for admission and scholarship competitions.
**Exploring Video Production**

| PA 801P/PA802P | 1 Credit | Grades 10-11-12 |

Students develop introductory skills for success in either the Entertainment fields of video or Convergent Journalism. Through a variety of hands-on projects, students learn the basics of development, pre-production, production, and post-production, as well as exploring the equipment and techniques used to develop a quality journalistic and entertainment production. Assignments encompass both individual and group work and involve both written and performance based assessment.

**Convergent Journalism I & II**

| LA 822P/LA 823P/LA 825P/LA 826P | 2 Credits | Grades 11-12 |

Students receive instruction in and practice the various types of journalistic writing, editing, page design, headline writing, and other journalistic skills. Students maintain an on-line version of the paper and work on video production techniques to create school news broadcast features for the district cable channel or online. **Guided Enrollment Note:** e-Communication students, in addition to the above, will develop skills in social media, (twitter, blogs), live productions, and maintain an online newspaper in alignment with backpack journalism.

**Entertainment Essentials I & II**

| PA 850P/PA 851P/PA 855P | 2 Credits | Grades 11-12 |

Students apply a basic understanding of producing video for a variety of uses. Topics include analyzing the development, pre-production, production and post-production process, as well as exploring the equipment and techniques used to develop a quality audio video production. These focus areas encompass both short and long-term projects both individually and collectively. Students may also do an individualized focus study in music (scoring, composing, writing, recording), special effects, or make-up & costuming.

**Exploring Animation**

| AR 631P/AR632P | 1 Credit | Grades 10-11-12 |

Students learn the art of storytelling through the processes of drawing, storyboarding and narrative writing. While studying the elements and principles of animation using a variety of tools, beginning animators will produce drawings, flipbooks, characters, environments, products, digital 2D, and digital 3D animations. The focus is on learning how to bring objects and characters to life to be used in film, television, web, business, training and computer gaming.

**Animation Essentials I & II**

| AR 640P/AR645P | 2 Credits | Grades 11-12 |

Students progress from traditional 2D animation to 3D animation. Students build on Adobe skills with more attention to the use of editing tools such as filters, layer masks, and vector paths. Compilation of media including sound, video, and other motion skills are implemented.

**e-Communication Studio I & II**

| CP 700P/CP710P | 2 Credits | Grade 12 |

Students use knowledge attained in previous strands of e-Communications to develop client-based projects. Collaboration, teamwork, listening skills, and working with customers will be emphasized in this course. Students also create a portfolio of work that may be submitted to the College Board for college credit as well as to colleges and art schools for admission and scholarship competitions.
Transfer Programs

Aerospace + Engineering

Explore the principles, procedures and diversity of engineering through the application of technology...

- Study, design and build robots, rockets, chemical materials, towers and airplanes through real-world projects.
- Interact and learn from industry professionals through guest lectures, field trips and internships.
- Master concepts and skills that will prepare you for exciting careers in all areas of engineering.

Introduction to Engineering

IT 395 A/B P 1.0 Credit Grades 9-10

In this course, students discover the engineering design process through hands-on projects in an engaging and collaborative environment. Students explore this process while utilizing the tools of scientific inquiry, problem solving, and data analysis to evaluate and optimize their designs. Students will enhance their critical and innovative thinking skills through design challenges throughout this course as they survey the diverse and exciting career pathways of engineering.

Engineering Design and Robotics

IT 415 A/B P 1.0 Credit Grades 11-12

This course emphasizes the application of engineering design skills to multidisciplinary projects and the development of effective technical communication skills. Students will explore basic computer programming for controlling motors and servos while interpreting data from various sensors as part of a robotics design project. Projects will require students to integrate concepts from mechanical, electrical, and materials engineering. Students also will develop skills in using statistics to improve a design solution through iterative use of measurements of the performance of prototypes.

Honors Biology I

SC 412 A/B 1 Credit Grade 9-10

Honors Biology is an inquiry-based lab course where reading, writing, and problem-solving skills are integrated throughout the curriculum, culminating with a research project. The topics covered in this course are the same as in Biology I but at a faster pace and in greater detail. Honors Biology for A&E students will have an additional emphasis on engineering design for life science applications. Guided Enrollment Note: For this more challenging course, significant work outside of the class is to be expected.

Aerospace+Engineering Chemistry

SC 650 A/B 1 Credit Grades 10-11-12

Prerequisite: Algebra I is required. The major emphasis is on hands-on making and testing of polymers, composites, metals and ceramics. The study of solids and their properties is critical for the various fields of engineering. Students will also be exposed to traditional chemistry topics such as formula writing, conservation of mass, acids and bases and thermo chemistry. Guided Enrollment Note: Concurrent enrollment in Advanced Algebra II or higher math is recommended.

CRN Course 9 10 11 12 Credit
SC 412 A/B Honors Biology ● ● 1 ●
SC 650 A/B Aerospace+Engineering Chemistry ● ● ● 1 ●
SC 660P Materials Science & Engineering ● ● .5 ●
SC 750 A/B Aerospace+Engineering Physics ● ● 1 ●
IT 395 A/B P Introduction to Engineering ● ● 1 ●
IT 415 A/B P Engineering Design and Robotics ● ● 1 ●
IT 500P A+E Pre-Engineering CAD I ● ● ● .5 ●
IT 510P A+E Pre-Engineering CAD II ● ● ● .5 ●
IT 520 A+E Advanced Engineering CAD III ● ● ● .5 ●
SC 780P SC 781P A+E Capstone ● .5 or 1 ● ● ●
SC 790 A/B A+E Senior Internship ● .5 or 1 ●
SC 795 A/B A+E Senior Internship ● 1 or 2 ●
### Materials Science & Engineering
**SC 660P** .5 Credit  Grades 11-12
In the Materials Science & Engineering Course students integrate concepts from chemistry, physics, and math to understand how the atomic structure of matter determines the physical characteristics that make materials useful to designers. The course will combine hands on design projects with learning the science behind the essential properties of metals, polymers, ceramics, and composite materials. Students will gain an understanding of the importance of materials science topics in all fields of engineering while also enhancing their engineering design skills through a minimum of two significant materials-focused design projects during the semester course.

### Aerospace+Engineering Physics
**SC 750A/B** 1 Credit  Grades 11-12
**Prerequisites: Algebra II.** This course is designed to be the equivalent of the general Physics I course usually taken during the first college year. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy and power; mechanical waves and sound; fluids and thermal. It also will introduce electric circuits. This course will also make connections to topics and engineering design projects covered in the A&E Engineering Design and Robotics class (IT 415). Guided Enrollment Note: This is an advanced physics course in which the student may acquire dual credit through JCCC/College Now. To apply for dual credit a COMPASS college algebra score of 46 or college trig of 1+ or an ACT math sub-score of 26 is required. Students will be prepared to take the AP Exam for Physics I in the spring.

### A+E Pre-Engineering / CAD I
**IT 500P** .5 Credit  Grades 10-11-12
Students complete an in-depth study in the skills of sketching, manual drafting, and computer-aided drafting (CAD) with emphasis on presentation and construction drawings of mechanical objects and their impacts on design and manufacturing. Students will develop and test projects/models in conjunction with their A+E science course. Students will be exposed to the basics of aviation and flight as well as fundamentals of engineering and programming. Hands-on laboratory activities provide the primary means of learning.

### A+E Pre-Engineering / CAD II
**IT 510P** .5 Credit  Grades 10-11-12
**Prerequisite: A+E CAD I.** Students undertake an in-depth study in the skills of designing, problem-solving, and CAD with emphasis on presentation and construction drawings of mechanical objects and their impacts on manufacturing. Students will develop and test projects/models prototype in conjunction with their A+E Math and Science courses. Hands-on laboratory activities provide the primary means of learning.

### A+E Advanced Engineering / CAD III
**IT 520** .5 Credit  Grades 10-11-12
**Prerequisite: A+E CAD II.** Students undertake an in-depth study in the skills of designing, problem-solving, and CAD with emphasis on presentation and construction drawings of mechanical objects and their impacts on manufacturing. Students will develop a prototype in conjunction with their A+E Science course. All students prepare a professional portfolio demonstrating work. Hands-on laboratory activities provide the primary means of learning.

### Aerospace+Engineering Capstone Projects
**SC 780P/SC 781P** .5 or 1 Credit  Grade 12
This is a senior course for the Aerospace+Engineering curriculum. Students will plan and complete a project of practical use. The project will be the culmination of this program and will utilize previously learned A+E course outcomes to research, design, and build an engineering project. The project will include collaboration with community professionals.

### A+E Advanced Engineering / CAD II
**SC 790A/B** .5 or 1 Credit  Grades 10-11-12
**Prerequisite: A+E CAD II.** Students undertake an in-depth study in the skills of designing, problem-solving, and CAD with emphasis on presentation and construction drawings of mechanical objects and their impacts on manufacturing. Students will develop a prototype in conjunction with their A+E Science course. All students prepare a professional portfolio demonstrating work. Hands-on laboratory activities provide the primary means of learning.

### Aerospace+Engineering Senior Internship
**SC 795A/B** .5 or 1 Semester  Grade 12
In this senior level course for the Aerospace+Engineering curriculum, students will interview and be selected for internships with participating area engineering/aerospace/aviation businesses. Students will work alongside business professionals to complete all assigned responsibilities. Guided Enrollment Note: Student enrollment does not necessarily guarantee an internship will be awarded.
Enter the high-tech world of computer and software engineering by creating real-world projects while developing the necessary skill for success in this fast-paced, dynamic, and growing industry…

- Develop computer and server programming competence through performance assessments and project-based learning
- Acquire and demonstrate an advanced database technical skill set including data mining, analysis, manipulation, and warehousing
- Build authentic, real-world computer and software engineering applications which provide a service to the school and community.

### Computer Science & Software Engineering (CSE)

**CP 600P/CP 601P**  
**1 Credit**  
**Grades 9-10**  
CSE implements the College Board’s 2013 CS principles framework. Using Python as a primary tool and incorporating multiple platforms and languages for computation, this course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. CSE helps students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cybersecurity, robotics, and simulation. (Priority will be given to students accepted into the CaSE 21st Century Program. This is the initial course required of all CaSE students.)

### Oracle I

**CP 620P**  
**.5 Credit**  
**Grades 10-11-12**  
In this course, the students will learn database design fundamentals, requirements, and database normalization. Students will also learn the basic SQL commands. The students will demonstrate skills obtained through an Oracle 11g database.

### Oracle II

**CP 625P**  
**.5 Credit**  
**Grades 10-11-12**  
**Prerequisite: Oracle I.** The students will learn advanced database techniques, advanced SQL programming and PL/SQL scripting language. Students will demonstrate skills obtained through an Oracle 11g database.

### CaSE Senior Project

**CP 630P (1.0)/CP 631P (.5)/CP 632P (.5)**  
**1 Credit**  
**Grade 12**  
**Prerequisite: Successful completion of program path.** This course is a culmination of skills acquired in all Computer and Software Engineering courses. In this course student teams select Senior Project(s) with instructor approval. The students also determine a team leader to facilitate the project. This course allows for direct end user interaction and practical professional experience. Guided Enrollment Note: 2-Hour Block.

Note: See page 17 for additional course descriptions.
**Professional Careers Academy (PCA)**

Your future starts now with the Professional Careers Academy. Learn to research, evaluate and communicate effectively while exploring one of five areas of study: Science and Engineering, Communication Arts, Legal Services, Social Science and Business. In this program students will...

- Engage in in-depth studies of ethics and the study of personal and professional ethical practices
- Assist in the organization of the Olathe South Professional Lecture Series
- Develop and work on service learning projects and individual research projects
- Participate in mentorships and internships throughout the community

### Graduation Requirement

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**Ethics (BU 800) .5 Credit All Grades**

Students will explore ethical decision-making from both a personal and professional perspective. Common ethical values will be examined. The course will include case studies from each of the five strands of the Professional Careers Academy (Business, Communications Arts, Law and Legal Studies, Science & Engineering and Social Sciences.) Each class will facilitate a service learning project that involves research, analysis, decision-making and project management skills. **Guided Enrollment Note:** The class is open to all students. Those seeking a Professional Careers Academy endorsement are required to take this class.

**Introduction to Communication Arts (LA 810) .5 Credit Grades 10-11-12**

In this semester class, students serve as the marketing and public relations department for Olathe South High School in preparation for a career in communication arts. Students study basic skills and concepts in journalism. In addition, students receive training in broadcast journalism including a working knowledge of digital video camera techniques, script writing, and editing video projects with iMovie and Final Cut Pro. Instruction is also given on cutting edge technology such as pod casting and blogging. The work produced in this class will promote Olathe South to the community through video stories featured on Falcon Week and contributions to the school’s Web site. **Guided Enrollment Note:** This course is recommended for sophomores who would like an introduction to communication arts preparing them for additional communication courses.

**PCA Senior Project (YA 620-642) .5-2 Credits Grade 12**

Senior Project is an approved course of study that may include proposed research, special project(s), or field experience. Students selecting this optional enrollment option have the flexibility to build time into their schedule to complete approved research, project, or field experience requirements. Students are required to present research, project, field experience results at an end-of-year Senior Symposium to receive a Professional Career Academy endorsement on their transcripts. **Guided Enrollment Note:** This course is optional for senior PCA candidates and requires prior approval by the Program Facilitator or Strand Dean.
# Graduation Audit

Olathe High Schools

## Communication (5 credits total)
- Applied Communication/International Language - 1 credit (CAL) **1.5**
- English - 4 Credits (CEN) **4**

## Humanities (4 credits total)
- Fine Arts (Visual or Performing) - 1 credit (HFA) **1.5**
- Social Science - 3 credits (HSS) **3**

## Math, Science, Technology (7 credits total)
- Math - 3 credits (MMA) **3**
- Science - 3 credits (MSP and MSL) **3**
- Technology - 1 credit (MTC) **1**

## Life Skills (2 credits total)
- Prac. & Consumer Studies - 1 credit (LCS) **1.5**
- Health & Wellness - 9th grade* - 1 credit (LPH) **1.25**

## Individual Focus (6 credits or any credits beyond those above XIF)
**6**

Shaded boxes represent ACT CORE curriculum required for students pursuing post-secondary education/training. Please refer to pages 4-5 for a list of classes that count for Graduation Requirements.

**Total:** 24 credits required for graduation