



**Olathe**  
PUBLIC SCHOOLS



# PROGRAM PLANNING GUIDE

2025-2026

Class of 2028 & Beyond

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### Disclaimer

Olathe Public Schools makes every effort to ensure that the information in this Program Planning Guide is informative and accurate. Enrollment patterns and budget decisions may affect the availability of courses. Changes in policies, new statutes, or other factors can result in incorrect or incomplete information. This Program Planning Guide should in no way be seen as a contract, but as a guideline for students as they move through their high school years.

# Welcome to the High School Program Planning Guide class of 2028 & Beyond!

As you embark on this important journey through your high school years, this guide is designed to help you navigate the diverse array of courses and opportunities available to you. Whether you have already decided your career path or are still exploring, careful planning is essential for maximizing your potential. Inside, you'll find valuable information on course selection, academic requirements, and tips for making the most of your high school experience. Let's get started on crafting a fulfilling and successful path tailored just for you!

## What is a Career Pathway?

Career Pathways are programs of study organized by career clusters, which include distinct groupings of occupations and industries based on required knowledge and skills. Olathe Public Schools offers a variety of career pathway options for student success in today's highly skilled workforce. With one of the widest expanse of programs in the state, high school students can choose from high-demand opportunities such as health care, manufacturing, engineering technology, human services, marketing, interior design, criminal justice, culinary and event management, and more.

## What is an Academy?

The Olathe Public Schools offers 15 unique and innovative 21st Century Academies for high school students. These academies are housed within the district's high schools. These innovative, four-year programs allow students to build upon their interests and learn specific knowledge and skills they can apply towards their post-secondary experiences and career fields.

***Academy classes are only available for those students that applied and been accepted in the Academy.***

**More information can be found on the Olathe Schools website:**

**<https://www.olatheschools.org/Domain/2834>**

## What is Olathe Advanced Technical Center/OATC?

The two-year programs are available for Olathe juniors and seniors only. All of the programs focus on today's high-demand career fields and help prepare students for the world of work or post-secondary training by combining student interest and learning through hands-on experiences, industry-standard resources and equipment, and real-world partnerships fusing academic and technical skills, knowledge and the training necessary for future careers.

***OATC classes are only available for those students that applied and been accepted in the program.***

**More information can be found on the Olathe Schools website:**

**<https://www.olatheschools.org/Domain/1173>**

# THINGS TO CONSIDER

Scheduling high school classes is a critical part of a student's academic and personal development. The way classes are chosen and scheduled can have lasting effects on their education, college readiness, and future career options. By thoughtfully selecting courses that align with their academic goals, career aspirations, and personal preferences, students can set themselves up for success.

**Remember that it is the student's responsibility to ensure all graduation requirements are met according to the district's guidelines.**

## INDIVIDUAL PLAN OF STUDY (IPS)

Students are encouraged to use their Individual Plan of Study to guide high school schedules and support future planning.

## XELLO

Xello is a web-based program that facilitates college and career readiness activities for students. It includes elements in future planning, career investigation, college research and exploration, course planning, resume building and the college application process. This program facilitates Olathe Public Schools' process of sending student transcripts to colleges for college applications. Students can access their Xello account through Class Link.

## NCAA ELIGIBILITY

Division I & II schools require you to meet academic standards. To be eligible to practice, compete and receive an athletics scholarship in your first year of full-time enrollment, you must meet the following requirements:

- Earn 16 NCAA-approved core-course credits in eight academic semesters.
- Complete 10 of your 16 NCAA-approved core-course credits, including seven in English, math or science, before the start of your seventh semester (D1 only)
- Minimum core-course GPA: 2.3 D1 / 2.2 D2
- For more requirement details contact your counselor or visit [www.ncaa.org](http://www.ncaa.org)

## NAIA ELIGIBILITY

An enrolled entering freshman must:

- Be a graduate of an accredited high school.
- Must graduate with a 2.3+ GPA or meet two of the three following requirements:
  - Achieve a minimum of 18 on the ACT or 970 on the SAT
  - Achieve a minimum over-all high school grade point average of 2.0 on a 4.0 scale
  - Graduate in the top half of your high school class
- For more information, contact your counselor or visit [www.play.mynaia.org](http://www.play.mynaia.org)

## KANSAS BOARD OF REGENTS QUALIFIED ADMISSIONS

State universities in Kansas follow Qualified Admissions (QA) criteria when admitting undergraduate students. These criteria are set by the Kansas Board of Regents, the governing body for the six state universities. The purpose of QA is to enhance success at the university level by ensuring students are prepared for the rigors of a university education. The institutions that use QA for admission are: Emporia State University, Fort Hays State University, Kansas State University, Pittsburg State University, University of Kansas, and Wichita State University.


## KANSAS SCHOLARS CURRICULUM

Students that complete the Kansas Scholars curriculum and meet the other requirements, may be designated as State Scholars, which makes one eligible to receive the Kansas State Scholarship as provided by the Kansas Legislature. State Scholars may receive up to \$1,000 annually for up to four undergraduate years (five, if enrolled in a designated five year program), based on financial need and the availability of State funds. Financial need is measured by federal methodology using data submitted on the FAFSA.

- Students must have taken the ACT between April of the sophomore year and December of the senior year.
- Students must be a Kansas resident.
- Students must have their curriculum and 7th semester GPA certified on the official roster by the high school counselor, registrar, or similar official.

***To learn more about Qualified Admissions and Kansas Scholars - [kansasregents.org](http://kansasregents.org)***

# GRADUATION REQUIREMENTS

Subject	Olathe (24.0 Credits)	Qualified Admissions (ESU; FHSU; KSU; PSU; KU; WSU)	Kansas Scholars	NCAA (DIV 1)
<b>English Language Arts</b> <i>Regular or AP</i>	<b>4.0 units</b>			
<b>Science</b> <i>Regular or AP</i>	<b>3.0 units</b> -Life (1.0) -Physical (1.0) -Science elective (1.0)	<b>3.0 units</b> -Biology (1.0) -Chemistry (1.0) -Physics (1.0)	<b>3.0 units</b> -Biology (1.0) -Chemistry (1.0) -Physics (1.0) <i>Each must include a lab</i>	<b>2.0 units</b> <i>One year of lab</i>
<b>Math</b> <i>Regular or AP</i>	<b>3.0 units</b>	<b>4.0 units</b> -Algebra 1 (1.0) -Geometry (1.0) -Algebra II (1.0) -Adv. Math (1.0)	<b>4.0 units</b> -Algebra I or higher	<b>3.0 units</b> -Algebra I or higher
<b>Social Studies</b> <i>Regular, Honors or AP</i>	<b>3.0 units</b> - World History (9th Grade) -U.S. History (11th Grade) -U.S. Government (12th Grade) -Social Studies Elective	<b>3.0 units</b> - World History (9th Grade) -U.S. History (11th Grade) -U.S. Government (12th Grade) -Social Science Course	<b>3.0 units</b> - World History (9th Grade) -U.S. History (11th Grade) -U.S. Government (12th Grade) -Social Studies Elective	<b>2.0 units</b> <i>Any two approved courses</i>
<b>World Language</b>	<i>Qualifies as a Language Applications credit</i>	<b>2.0 units</b> <i>Two years of one language</i>		<i>Will count towards 16 core credits</i>
<b>Language Applications</b>	<b>1.0 unit</b>			 <i>indicates NCAA approved courses</i>
<b>Fine/Performing Arts</b>	<b>1.0 unit</b>			
<b>STEM</b>	<b>1.0 unit</b>			
<b>Health</b>	<b>0.5 unit</b>			
<b>Physical Education</b>	<b>0.5 unit</b>			
<b>Communications</b>	<b>0.5 unit</b>			
<b>Financial Literacy</b>	<b>0.5 unit</b>			
<b>Life Studies</b>	<b>0.5 unit</b>			
<b>Individual Focus</b>	<b>5.5 units</b>			

Beginning with the graduating Class of 2028, Kansas graduation requirements include student's achieving two Post Secondary Assessts:

- ACT composite (Score of 21 or higher)
- WorkKeys level (Silver or higher)
- 9+ college hours
- State Assessment scores of 3 or 4 in math, ELA, science
- ASVAB per requirements of military branch selected
- Senior project/senior exit interviews
- SAT score (1060 or higher)
- Completing Board of Regents curriculum
- Advanced Placement Exam (3+)
- 95% attendance in high school
- Youth Apprenticeships
- 40 or more community service hours
- Client-centered projects
- Workplace learning directly related to IPS
- Industry recognized certifications
- Seal of Biliteracy
- CTE Scholar
- Boy Scout Eagle Scout or Girl Scout Gold Scout
- Two or more high school athletics/activities
- State level Career and Technical Student Organization (CTSO) officer
- JROTC
- 4-H Kansas Key Award
- International Baccalaureate Exam (4+)

Students must meet Olathe graduation requirements to be eligible to participate in 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.
- High School Principals may make special considerations for students with exceptional circumstances.

All graduating students must meet the minimum graduation requirements of the Kansas Department of Education.

## WEIGHTED GRADES

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

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:  $\text{Weighted GPA} = (\text{GPA}) + (\# \text{ of Weighted Courses with grades of A, B, or C}) / 7(\# \text{ of semesters})$ .

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:

- Honors Algebra II
- Adv. Biotechnology: Cellular & Molecular II
- AP Biology
- AP Calculus AB
- AP Calculus BC
- AP Chemistry
- AP Computer Science A
- AP Computer Science Principles
- AP English Language & Composition
- AP English Literature & Composition
- AP Environmental Science
- AP European History
- AP French V
- AP Music Theory
- AP Physics II
- AP Physics C
- AP Psychology
- AP Spanish V
- AP Statistics
- AP Studio Art: 2-D Design
- AP Studio Art: 3-D Design
- AP Studio Art: Drawing
- AP United States History
- AP US Government & Politics
- AP/College Physics I
- German IV
- Honors Advanced Debate
- Japanese IV
- Linear Algebra
- Multivariable Calculus
- Honors Biology
- Honors Chemistry
- Honors English 9
- Honors English 10
- Honors Geography
- Honors Geometry
- Honors Modern World History
- Pre-Calculus

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

## ADVANCED PLACEMENT (AP)

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

- AP can enhance a student's opportunity for scholarships and career possibilities.
- AP can enhance a student's opportunity 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: Honors coursework provides a critical alignment with AP course success. AP exams are strongly encouraged. Each college or university determines which AP examination/score will be accepted.

## GRADUATION HONORS

Beginning with the Class of 2028, students will no longer be assigned a class ranking. Graduating students demonstrating higher levels of academic achievement will be honored through recognition as cum laude, magna cum laude, and summa cum laude.

Cum Laude	4.000 - 4.299	Weighted cumulative GPA after the completion of 7 semesters
Magna Cum Laude	4.300 - 4.499	Weighted cumulative GPA after the completion of 7 semesters
Summa Cum Laude	4.500 or higher	Weighted cumulative GPA will be calculated at the completion of 8 semesters and will be recognized at the commencement ceremony

**\*\*Please note that GPAs DO NOT "round up" in an award level, e.g. a 4.499 does not round up to a 4.5 and would remain in the Magna Cum Laude level.\*\***

## 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. Upon payment of specified tuition and fees and successful completion of a course, college credit can be earned. Only students enrolled in designated college equivalency courses can apply for this college credit option. Course availability may vary by high school.

Tuition charges for College Now courses will not exceed the amount charged for students enrolling in similar JCCC campus-based courses. No additional charges beyond those authorized for high school rental fees and materials used for classroom activities will be made. Courses which qualify for Excel in CTE have waived tuition for high school students who meet JCCC Kansas residency requirements for enrollment in any tiered career technical course. For more information about Excel in CTE courses offered at JCCC, please visit <https://www.jccc.edu/admissions/early-college/high-school-concurrent-enrollment/>

College Now courses listed below may not be offered for dual credit in every high school. Check your high school's College Now schedules for availability.

Dual credit courses may be found at <https://www.jccc.edu/admissions/early-college/high-school-concurrent-enrollment/schools-schedules/> or as follows:

- 3D Animation I & II
- AP Biology
- AP Calculus AB
- AP Calculus BC
- AP Chemistry
- AP College Physics I
- AP Computer Science A
- AP English Literature and Composition
- AP Environmental Science
- AP European History
- AP French V
- AP Music Theory
- AP Psychology
- AP Spanish V
- AP Statistics
- AP United States Government
- AP United States History
- Anatomy & Physiology
- Auto Technology
- Certified Nurse Assistant (CNA)
- College Accounting
- College Algebra
- College Biology
- College Chemistry
- DC Electronics
- Design & Engineering WBL
- Digital Electronics
- Electronics & Avionics Work Experience
- Fire Science I
- Fire Science II
- Foundation of Electronics
- French IV
- German III
- German IV
- Hazardous Materials for First Responder
- Horticulture I & II \*  
\*(same school year)
- Law Enforcement I
- Law Enforcement II
- Medical Terminology
- Pre-Calculus
- Spanish IV
- Teaching as a Career
- Web Design III & IV
- Zoology



















































## JCCC QUICK STEP

College credit also is available through the JCCC Quick Step program. Enroll in classes held on the JCCC campus or at one of our outreach locations, or take a class online. Quick Step is an exciting opportunity for highly committed and motivated high school students to excel. With Quick Step, you may be eligible for “on-campus concurrent enrollment.” Even if you’re taking a Quick Step class for college credit, your local school district may allow you to earn high school credit for that same course.

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.


<https://www.jccc.edu/admissions/early-college/quick-step/rights.html>

# Olathe Career Pathways At-a-Glance

Pathways/Academies	East	North	Northwest	South	West	OATC
Aviation Maintenance						 Electronics & Avionics
Comprehensive Agriculture					<b>21</b> Green Tech	
Animal Science						 Animal Sciences
Business Finance				<b>21</b> Business Finance		
Business Management & Marketing						
Construction & Design	 <b>21</b> Design					 Construction Trades
Corrections, Security & Law Enforcement					<b>21</b> Public Safety	
Media Design & Communications			 <b>21</b> e-Communication			
Emergency & Fire Management					<b>21</b> Public Safety	 EMS
Engineering & Applied Mathematics	 <b>21</b> Design		 <b>21</b> Engineering			
Energy					<b>21</b> Green Tech	
Family & Community Services						
Fashion & Interior Design (FAID)						
Gov't & Public Administration	 <b>21</b> Civic Leadership					
Health Science		<b>21</b> Sports Medicine				 Healthcare Science
Manufacturing						 Welding Technology
Mobile Equipment Maintenance						 Auto Technology
Programming & Software Development				 <b>21</b> Computer Science		
Restaurant & Event Management						 Culinary Arts
Teaching/Training	<b>21</b> Future Educators					
21st Century Academies (Non-CTE Affiliated)		<b>21</b> Animal Health <b>21</b> Distinguished Scholars <b>21</b> Geoscience <b>21</b> Medical Professions		<b>21</b> Biomedical Engineering		
Fine Arts - Performing	◆	◆	◆	◆	◆	
Fine Arts - Visual	◆	◆	◆	◆	◆	



# Olathe Career Pathways

<b>CTE &amp; Fine Arts Programs In all buildings (non-transfer programs)</b>	<b>OATC Programs (Grades 11-12)</b>	<b>Academies In select buildings (transfer programs)</b>
<p><u>Career Pathways in all buildings</u></p> <ol style="list-style-type: none"> <li>1. Business Management &amp; Marketing</li> <li>2. Construction &amp; Design</li> <li>3. Media Design &amp; Communications</li> <li>4. Family &amp; Community Services</li> <li>5. Fashion &amp; Interiors Design</li> <li>6. Programming &amp; Software Development</li> <li>7. Restaurant &amp; Event Management</li> </ol> <p><u>Fine Arts</u></p> <ol style="list-style-type: none"> <li>1. Performing</li> <li>2. Visual</li> </ol>	<ol style="list-style-type: none"> <li>1. Animal Science &amp; Research</li> <li>2. Auto Technology</li> <li>3. Construction Trades</li> <li>4. Culinary Arts</li> <li>5. Electronics &amp; Avionics</li> <li>6. EMS</li> <li>7. Healthcare Sciences</li> <li>8. Welding</li> </ol> <div style="text-align: right;">  </div>	<p><u>CTE-Pathway Academies:</u></p> <ol style="list-style-type: none"> <li>1. Business Finance Academy</li> <li>2. Design Academy</li> <li>3. Public Safety Academy</li> <li>4. Green Tech Academy</li> <li>5. Engineering Academy</li> <li>6. e-Communication Academy</li> <li>7. Civic Leadership Academy</li> <li>8. Sports Medicine</li> <li>9. Computer Science Academy</li> <li>10. Future Educators Academy</li> </ol> <p><u>Non-CTE Pathway Academies:</u></p> <ol style="list-style-type: none"> <li>11. Animal Health Academy</li> <li>12. BioMedical Engineering Academy</li> <li>13. Distinguished Scholars Academy</li> <li>14. Geoscience Academy</li> <li>15. Medical Professions Academy</li> </ol>
<p><b>Middle School Programs</b></p> <ol style="list-style-type: none"> <li>1. Business &amp; Computers</li> <li>2. Family &amp; Consumer Sciences</li> <li>3. Industrial &amp; Engineering Technology</li> </ol>		

# OLATHE GRADUATION REQUIREMENTS

Class of 2028 and beyond - 24 Credits Total

## Communications - 0.5 Credit

Adv. Debate ✓  
Argumentation and Debate ✓  
Business Communications  
Career Connections  
Design Studio ●  
Forensics: Interscholastic Speech & Drama  
Honors Advanced Debate ✓ ▲  
Interpersonal Skills  
Intro to Journalism ✓  
Media Production - Newspaper  
Novice Debate ✓  
Public Speaking ✓

All Academy Capstone courses will fulfill the Communications requirement

\*\*Additional courses will be added as further guidance is provided from KSDE.

## Language Applications - 1.0 Credit

2-D Animation I & II 21  
3-D Animation I & II 21  
3-D Animation Design  
3-D Modeling for Art & Animation  
Acting I & II  
Advanced Animation Studio  
Adv. Creative Writing ✓  
Adv. Debate ✓  
Adv. Digital Advertising & Design  
Adv. Media Production - Editors  
Adv. Repertory Theatre  
Animation  
Argumentation and Debate ✓  
AVID 9, 10, 11, 12  
Black American History ✓  
Creative Writing ✓  
Creative Writing: Literary Magazine  
Digital Design & Graphics  
DS Cross-Cultural Expeditions 21  
e-Communication Capstone I & II 21  
Forensics: Interscholastic Speech & Drama  
Foundations of e-Communication 21

Graphic Design I & II  
Graphic Design III & IV 21  
Honors Advanced Debate ✓  
History of Film  
Interpersonal Skills  
Intro to Journalism ✓  
Intro to Psychology ✓  
Media Production - Newspaper  
Media Production - Yearbook  
Novice Debate ✓  
Peer Mentor for Interpersonal Skills  
Photojournalism I & II  
Reading 9, 10, 11, 12  
Repertory Theatre  
Social Media Design WBL  
Sports Information Directors I & II 21  
Theatre Production II  
Video Production I & II  
Web Design I, II, III & IV  
Women's Studies ✓

AP French V ✓ ▲  
AP Spanish V ✓ ▲  
American Sign Language I, II, III ✓  
French I, II, III, IV ✓  
German I, II, III ✓  
German IV ✓  
Japanese I, II, III ✓  
Japanese IV ✓ ▲  
Spanish I, II, III, IV ✓  
Spanish for Heritage Speakers I, II, III ✓

### KEY for Pages 10 - 11

Available eLearning

**CATE** Olathe Adv. Technical Center Course

✓ NCAA Approved Courses

▲ Weighted Grade Credit

21 21st Century Academy Course

Financial Literacy

P.E. Concepts

Cheerleading 9

Health Education

Public Safety Physical Ed ●

Dance Team 9

## PERFORMING ARTS

Acting I & II  
Adv. Choir  
Adv. Debate ✓  
Adv. Orchestra  
Adv. Repertory Theatre  
AP Music Theory ▲  
Argumentation and Debate ✓  
Concert Band  
Concert Choir  
Concert Orchestra  
Dance Team  
Fine & Performing Arts Senior Ind Study  
Forensics: Interscholastic Speech & Drama  
Freshman Orchestra  
Honors Advanced Debate ✓ ▲

History of Film  
Intermediate Choir  
Jazz Band  
Marching Band  
Novice Debate ✓  
Repertory Theatre  
Symphonic Band  
Technical Theatre I & II  
Theatre Production I  
Theatre Production II  
Wind Ensemble

## VISUAL ARTS

2-D Animation I & II ●  
3-D Animation I & II ●  
3-D Animation Design  
3-D Modeling for Art & Animation  
Advanced Animation Studio  
Adv. Ceramics  
Adv. Darkroom Photography ●  
Adv. Digital Advertising & Design  
Adv. Digital Photography  
Adv. Studio Art II  
Animation  
AP Studio Art: 2-D Design ▲  
AP Studio Art: 3-D Design ▲  
AP Studio Art: Drawing ▲  
Art History

Basic Darkroom Photography ●  
Basic Digital Photography  
Ceramics  
Digital Design & Graphics  
Drawing I-IV  
e-Communication Capstone I & II ●  
Fine & Performing Arts Sr Ind Study  
Foundations of e-Communication ●  
Graphic Design I & II  
Graphic Design III & IV ●  
Introduction to Design - Product ●  
Jewelry/Metals  
Painting  
Product Design I ●  
Sculpture

## English - 4.0 Credits

### Freshman Year

English 9 ✓  
Honors English 9 ✓ ▲  
Sophomore Year  
English 10 ✓  
Honors English 10 ✓ ▲

### Junior Year

AP Eng Language & Comp ✓ ▲  
English 11: Career Prep  
English 11: College Prep ✓

### Senior Year

AP Eng Lit & Comp ✓ ▲  
English 12: Career Prep  
English 12: College Prep ✓

### English Language Learners

English Language Learners I  
English Language Learners II  
English Language Learners III

## Math - 3.0 Credits

Algebra I ✓  
Algebra II ✓  
Algebra III ✓  
AP Calculus AB ✓ ▲  
AP Calculus BC ✓ ▲

Applied Algebra I  
Applied Geometry  
AP Statistics ✓ ▲  
College Algebra ✓  
Geometry ✓

Honors Geometry ✓ ▲  
Honors Algebra II ✓ ▲  
Pre-Calculus ✓ ▲  
Intermediate Algebra  
Linear Algebra ✓ ▲

Multivariable Calculus ✓ ▲

### Freshman Year - World History 1.0

Modern World History ✓  
Honors Modern World History ✓ ▲

### Senior Year - U.S. Government .5

AP U.S. Government and Politics ✓ ▲  
U.S. Government ✓

### Elective - Social Studies .5

AP European History ✓ ▲  
AP Psychology ✓ ▲  
Black American History ✓  
Business Economics  
Contemporary Issues ✓  
DS Cross-Cultural Expeditions 21  
DS Senior Capstone 21

### DS Symposium 21

Intro to Psychology ✓  
Honors World Geography ✓  
Human Geography ✓  
Sociology ✓  
Sports Psychology  
Women's Studies ✓

### Junior Year - U.S. History 1.0

AP U.S. History ✓ ▲  
U.S. History ✓

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.

## Science- 3.0 Credits (Life Science 1.0, Physical Science 1.0, additional Science 1.0)

### LIFE SCIENCE

Adv. Biotech: Cell & Molecular I <sup>21</sup> NCAA  
 Adv. Biotech: Cell & Molecular II <sup>21</sup> NCAA ▲  
 Anatomy & Physiology NCAA  
 Animal Health Investigations <sup>21</sup>  
 Animal Science **OATE**  
 Animal Science <sup>21</sup>  
 Advanced Animal Science **OATE**  
 AP Biology NCAA ▲  
 AP Environmental Science NCAA ▲  
 Aquatic Methods <sup>21</sup>  
 Biomedical Engineering I & II <sup>21</sup> NCAA  
 Biomedical Engineering Senior Capstone <sup>21</sup>  
 Biology NCAA  
 College Biology NCAA

Certified Nurse Assistant (CNA) **OATE**  
 ELL Science Foundations  
 Environmental Conservation <sup>21</sup> NCAA  
 Forensic Science <sup>21</sup> NCAA  
 Foundations of Rehab <sup>21</sup>  
 Genetic Applications <sup>21</sup> NCAA  
 Genetics & Biotech I & II NCAA  
 Honors Biology NCAA ▲  
 Horticulture I & II  
 Human Body Systems **OATE**  
 Intro to BioMedical Engineering <sup>21</sup> NCAA  
 Marine Biology <sup>21</sup> NCAA  
 Materials Science in Engineering <sup>21</sup>  
 Medical Professions Investigations <sup>21</sup>  
 Medical Professions Senior Capstone <sup>21</sup>  
 Microbiology <sup>21</sup> NCAA

Pharmacology **OATE**  
 Small Animal Care **OATE**  
 Sports Medicine II <sup>21</sup>  
 Student Naturalist NCAA  
 Sustainable Resource Management I <sup>21</sup>  
 Veterinary Health Science **OATE**  
 Wildlife Biology <sup>21</sup> NCAA  
 Zoology <sup>21</sup> NCAA

Chemistry NCAA  
 College Chemistry NCAA  
 Earth Science NCAA  
 ELL Science Foundations  
 Energy, Power & Society <sup>21</sup>  
 Energy Industry Fundamentals <sup>21</sup>  
 Geoscience Applications <sup>21</sup> NCAA  
 Geoscience Investigations <sup>21</sup> NCAA  
 Geoscience Senior Capstone <sup>21</sup>  
 Honors Chemistry NCAA ▲  
 Investigations in Green Tech-Energy <sup>21</sup>  
 Materials Science in Engineering <sup>21</sup>  
 Oceanography <sup>21</sup> NCAA  
 Physical Science NCAA  
 Physical Science Investigations I NCAA  
 Physics NCAA

### STEM - 1.0 Credit

3-D Animation Design  
 3-D Modeling for Art & Animation  
 Accounting II  
 Advanced Animal Science **OATE**  
 Advanced Animation Studio  
 Adv. Biotech: Cell & Molecular I <sup>21</sup> NCAA  
 Adv. Biotech: Cell & Molecular II <sup>21</sup> NCAA ▲  
 Advanced Digital Advertising & Design  
 Advanced Digital Photography  
 Advanced Engineering/CAD III <sup>21</sup>  
 Advanced Geoscience <sup>21</sup> NCAA  
 Adv. Media Production - Editors  
 Animal Science <sup>21</sup>  
 Animation  
 AP Computer Science A NCAA ▲  
 AP Computer Science Principles NCAA ▲  
 Architectural CAD I & II  
 Architectural Design I & II <sup>21</sup>  
 Auto Technology (ALL) **OATE**  
 Baking & Pastry I & II **OATE**  
 Basic Digital Photography  
 Banking and Finance <sup>21</sup>  
 BioMedical Engineering I & II <sup>21</sup> NCAA

Business Finance Work Experience I&II <sup>21</sup>  
 Career Connections  
 Civic Leadership Applications ALL <sup>21</sup>  
 Civic Leadership Fundamentals ALL <sup>21</sup>  
 College Accounting <sup>21</sup>  
 Community Connections  
 Computer Science Senior Capstone <sup>21</sup>  
 Construction Principles  
 Construction Trades (ALL) **OATE**  
 Culinary Arts I, II, III **OATE**  
 Culinary Work Experience I & II **OATE**  
 Cybersecurity <sup>21</sup>  
 Design & Eng. WBL <sup>21</sup>  
 Design Studio <sup>21</sup>  
 Digital Design & Graphics  
 DS Cross-Cultural Expeditions <sup>21</sup>  
 DS Senior Capstone (ALL) <sup>21</sup>  
 DS Symposium (ALL) <sup>21</sup>  
 e-Communication Capstone I & II <sup>21</sup>  
 Electronics & Avionics (ALL) **OATE**  
 Energy Industry Fundamentals <sup>21</sup>  
 Energy, Power & Society <sup>21</sup>

Engineering Drafting/CAD I & II  
 Engineering Senior Capstone <sup>21</sup>  
 Event Planning & Management  
 FAID Studio  
 Fire Science I & II <sup>21</sup>  
 Foundations of e-Communication <sup>21</sup>  
 Future Educators Senior Capstone I <sup>21</sup>  
 Genetics & Biotech I & II NCAA  
 Graphic Design I & II  
 Graphic Design III & IV <sup>21</sup>  
 Health Care Work Experience **OATE**  
 Introduction to Design - Architecture <sup>21</sup>  
 Introduction to Design - Product <sup>21</sup>  
 Intro to Engineering <sup>21</sup>  
 Introduction to Technology Education  
 Investing <sup>21</sup>  
 Law Enforcement II <sup>21</sup>  
 Linear Algebra  
 Marketing Applications  
 Materials Science in Engineering <sup>21</sup>  
 Media Production - Newspaper <sup>21</sup>  
 Media Production - Yearbook

Multivariable Calculus  
 Photojournalism I & II  
 Principles of Applied Engineering <sup>21</sup>  
 Principles of Coaching & Leadership II <sup>21</sup>  
 Product Design I & II <sup>21</sup>  
 Public Safety Capstone - Fire / Law  
 Research & Design for Architecture I & II  
 Social Media Design WBL  
 Sports Information Directors I & II <sup>21</sup>  
 Sports Medicine II <sup>21</sup>  
 Sports Medicine Capstone <sup>21</sup>  
 Teaching as a Career <sup>21</sup>  
 Technical Intro to Computer Science <sup>21</sup>  
 Technology for Teachers <sup>21</sup>  
 Theatre Production I  
 Video Production I & II  
 Web Design I, II, III & IV  
 Welding Technology (ALL) **OATE**  
 Woodworking & Design I & II  
 Zoology <sup>21</sup> NCAA

All AP & Dual-enrollment Math & Science courses

### Life Studies - 0.5 Credit

2-D Animation I & II <sup>21</sup>  
 3-D Animation I & II <sup>21</sup>  
 3-D Animation Design  
 3-D Modeling for Art & Animation  
 Accounting I  
 Accounting II  
 Advanced Animal Science **OATE**  
 Advanced Animation Studio  
 Adv. Biotech: Cell & Molecular I <sup>21</sup>  
 Adv. Biotech: Cell & Molec. II <sup>21</sup> ▲  
 Advanced Darkroom Photography <sup>21</sup>  
 Advanced Digital Advertising & Design  
 Advanced Engineering/CAD III <sup>21</sup>  
 Advanced Digital Photography  
 Adv. Media Production - Editors  
 Ag Leadership & Communications **OATE**  
 Animal Health Investigations <sup>21</sup>  
 Animal Science **OATE**  
 Animal Science Internship **OATE**  
 Animal Science Research **OATE**  
 Animation  
 Apparel Production I & II  
 AP Psychology NCAA ▲  
 Aquatic Methods <sup>21</sup>  
 Architectural CAD I & II  
 Architectural Design I & II <sup>21</sup>  
 Auto Technology (ALL) **OATE**  
 AVID 9, 10, 11, 12  
 Baking Food Science  
 Baking & Pastry I & II **OATE**  
 Banking and Finance <sup>21</sup>  
 Basic Darkroom Photography <sup>21</sup>  
 Basic Digital Photograph  
 Biomedical Engineering Senior Capstone <sup>21</sup>  
 Business Communications  
 Business Economics

Business Essentials  
 Business Finance Work Experience I&II <sup>21</sup>  
 Business Law NCAA  
 Business Management  
 Business Work Mgmt Work Exp I & II  
 Care of Athletes <sup>21</sup>  
 Career Connections  
 Certified Nurse Assistant (CNA) **OATE**  
 Civic Leadership Applications-ALL <sup>21</sup>  
 Civic Leadership Fundamentals-ALL <sup>21</sup>  
 Civic Leadership Work Experience <sup>21</sup>  
 College Accounting <sup>21</sup>  
 College Readiness Skills  
 Community Connections  
 Computer Science Senior Capstone <sup>21</sup>  
 Construction Principles  
 Construction Trades (ALL) **OATE**  
 Culinary Arts I, II, III **OATE**  
 Culinary Essentials  
 Culinary Food Science  
 Culinary Work Experience I & II **OATE**  
 Design & Eng. WBL <sup>21</sup>  
 Design Studio <sup>21</sup>  
 Driver's Education  
 DS Senior Capstone (ALL) <sup>21</sup>  
 DS Symposium (ALL) <sup>21</sup>  
 e-Communication Capstone I & II <sup>21</sup>  
 EKG Technician **OATE**  
 Electronics & Avionics (ALL) **OATE**  
 Emergency Medical Responder (EMR) **OATE**  
 Engineering Senior Capstone <sup>21</sup>  
 Engineering Drafting/CAD I & II  
 Entrepreneurship  
 Essentials of Fashion, Apparel, Int Design  
 Event Planning & Management

Family Studies  
 Fashion Trends I & II  
 FAID Studio  
 Fire Science I & II <sup>21</sup>  
 Foundations of e-Communication <sup>21</sup>  
 Foundations of Rehab <sup>21</sup>  
 Fundamentals of EMS **OATE**  
 Future Educators Senior Capstone I <sup>21</sup>  
 Future Educators Senior Capstone II <sup>21</sup>  
 Geoscience Senior Capstone <sup>21</sup>  
 Green Tech WBL - Energy/Sustainability  
 Sustainable Resource Management II <sup>21</sup>  
 Hazardous Materials-First Responder <sup>21</sup>  
 Health Care Essentials **OATE**  
 Healthcare Research & Clinical Skills **OATE**  
 Health Care Work Experience **OATE**  
 Human Body Systems **OATE**  
 Interior Design I & II  
 Interpersonal Skills  
 Introduction to Civic Leadership <sup>21</sup>  
 Introduction to Design - Architecture <sup>21</sup>  
 Intro to Education <sup>21</sup>  
 Intro to Engineering <sup>21</sup>  
 Intro to Journalism NCAA  
 Intro to Technology Education  
 Intro to Psychology NCAA NCAA  
 Intro to Public Safety - Fire / Law <sup>21</sup>  
 Investigations in Green Tech-Sustainability <sup>21</sup>  
 Investing <sup>21</sup>  
 Law Enforcement I <sup>21</sup>  
 Law Enforcement II <sup>21</sup>  
 Lifespan Development  
 Marketing Applications  
 Media Production - Newspaper  
 Media Production - Yearbook

Medical Professions Investigations <sup>21</sup>  
 Medical Professions Senior Capstone <sup>21</sup>  
 Medical Terminology **OATE**  
 Nutrition & Wellness  
 Peer Mentor for Interpersonal Skills  
 Pharmacology **OATE**  
 Principles of Pharmacy **OATE**  
 Principles of Phlebotomy **OATE**  
 Photojournalism I & II  
 Principles of Applied Engineering <sup>21</sup>  
 Principles of Marketing & Brand Management  
 Principles of Marketing and Selling  
 Principles of Coaching & Leadership I <sup>21</sup>  
 Principles of Coaching & Leadership II <sup>21</sup>  
 Product Design I & II <sup>21</sup>  
 Public Safety Capstone - Fire / Law <sup>21</sup>  
 Relationships & Personal Development  
 Research & Design for Architecture I & II  
 Small Animal Care **OATE**  
 Social Media Design WBL  
 Sports Information Directors I & II <sup>21</sup>  
 Sports Medicine I <sup>21</sup>  
 Sports Medicine II <sup>21</sup>  
 Sports Medicine Capstone <sup>21</sup>  
 Sports Psychology  
 Sustainable Resource Management II <sup>21</sup>  
 Teaching as a Career <sup>21</sup>  
 Teaching Observation <sup>21</sup>  
 Technical Theatre I & II  
 Technology for Teachers <sup>21</sup>  
 Video Production I & II  
 Web Design I, II, III & IV  
 Welding Technology (ALL) **OATE**  
 Woodworking & Design I & II



Student Name: \_\_\_\_\_

Career Interest(s): \_\_\_\_\_

Electronic version is stored in Xello under "Course Planner"

Career Pathway(s): \_\_\_\_\_

Graduation Requirements	9th Grade	10th Grade	11th Grade	12th Grade	Year 13	Year 14	Credits
<b>*Class of 2028 and beyond*</b>							
<b>English</b> (4.0 credits)	1		1	1			1
<b>Math</b> (3.0 credits)	1		1	1	Students are encouraged to take a 4 <sup>th</sup> year of math		
<b>Science</b> (3.0 credits)	1	Physical Science	1	1	Students are encouraged to take a 4 <sup>th</sup> year of science		
<b>Social Studies</b> (3.0 credits)	1	Option to fulfill .5 required SS elective	.5	1	US History or AP US History		.5
<b>Communications</b> (0.5 credit)							
<b>Financial Literacy</b> (0.5 credit)							
<b>Fine/Performing Arts</b> (1.0 credit)							
<b>Health</b> (0.5 credit)			.5				
<b>Language Applications</b> (1.0 credit)							
<b>Life Studies</b> (0.5 credit)							
<b>PE</b> (0.5 credit)			.5				
<b>STEM</b> (1.0 credit)							
<b>Individual Focus</b> (5.5 credits)							
<b>Total required credits for graduation = 24</b>	7 credits earned in a typical school year	7 credits earned in a typical school year	7 credits earned in a typical school year	7 credits earned in a typical school year	7 credits earned in a typical school year		
<p>Your path after high school graduation will look different based upon continued education or training. Whether you attend college, join the military, seek additional training, or employment, plans and goals will continue to be a valuable part of your journey.</p> <p>Remember that every path plays an important role in our community. Strive to be and do your best. Each day is an opportunity to make a positive difference for yourself and others.</p> <p><b>We are proud of you!</b></p>							

# **COURSE OFFERINGS**

# BUSINESS & MARKETING

Course No.	Course Title	9th Grade	10th Grade	11th Grade	12th Grade	Credit	Pathway Level	21st Century Academy only	OATC Program	College Now	NCAA Approved	Communications	English Language	Fine Arts - Visual & Performing	Language Applications	Life Studies	Math	PE & Health Education	Science - Life	Science - Physical	Social Studies	STEM	Individual Focus
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Courses offered within a pathway may vary at each school. Please visit with your school's counselor for specific school pathway courses.

BU 610	Financial Literacy		•	•	•	0.5																		
<b>Business Finance Pathway (All High Schools)</b>																								
BU 500P	Business Essentials	•	•			0.5	I									✓							✓	
BU 560P	Accounting I	•	•	•	•	0.5	T									✓							✓	
BU 565P	Accounting II	•	•	•	•	0.5	T									✓						✓	✓	
SS 612P	Business Economics	•	•	•	•	0.5	T									✓					✓		✓	
BU 540P	Business Law	•	•	•	•	0.5	T				✓					✓							✓	
BU 620P	Business Communications		•	•	•	0.5	T					✓				✓							✓	
BU 520P	Entrepreneurship		•	•	•	0.5	T									✓							✓	
<b>Business Management &amp; Entrepreneurship Pathway (All High Schools)</b>																								
BU 500P	Business Essentials	•	•			0.5	I									✓							✓	
BU 560P	Accounting I	•	•	•	•	0.5	T									✓							✓	
BU 565P	Accounting II	•	•	•	•	0.5	T									✓						✓	✓	
SS 612P	Business Economics	•	•	•	•	0.5	T									✓					✓		✓	
BU 540P	Business Law	•	•	•	•	0.5	T				✓					✓							✓	
BU 547P	Principles of Marketing and Brand Management	•	•	•	•	0.5	T									✓							✓	
BU 546P	Principles of Marketing and Selling	•	•	•	•	0.5	T									✓							✓	
BU 620P	Business Communications		•	•	•	0.5	T					✓				✓							✓	
BU 520P	Entrepreneurship		•	•	•	0.5	T									✓							✓	
BU 660P	Business Management			•	•	0.5	T									✓							✓	
BU 665P	Business Work Management Experience I				•	1.0	A									✓							✓	
BU 666P	Business Work Management Experience II				•	1.0	A									✓							✓	
<b>Marketing Pathway (All High Schools)</b>																								
BU 500P	Business Essentials	•	•			0.5	I									✓							✓	
BU 560P	Accounting I	•	•	•	•	0.5	T									✓							✓	
BU 565P	Accounting II	•	•	•	•	0.5	T									✓						✓	✓	
SS 612P	Business Economics	•	•	•	•	0.5	T									✓					✓		✓	
CP 455P	Graphic Design I <i>See Communications &amp; Digital Technology for course description</i>	•	•	•	•	0.5	T						✓	✓								✓	✓	
CP 458P	Graphic Design II <i>See Communications &amp; Digital Technology for course description</i>	•	•	•	•	0.5	T						✓	✓								✓	✓	
BU 547P	Principles of Marketing and Brand Management	•	•	•	•	0.5	T									✓							✓	
BU 546P	Principles of Marketing and Selling	•	•	•	•	0.5	T									✓							✓	
CP 553P	Web Design I <i>See Communications &amp; Digital Technology for course description</i>	•	•	•	•	0.5	T							✓	✓							✓	✓	
CP 554P	Web Design II <i>See Communications &amp; Digital Technology for course description</i>	•	•	•	•	0.5	T							✓	✓							✓	✓	
BU 620P	Business Communications		•	•	•	0.5	T					✓				✓							✓	
BU 520P	Entrepreneurship		•	•	•	0.5	T									✓							✓	
BU 660P	Business Management			•	•	0.5	T									✓							✓	
BU 531 AP/BP	Marketing Applications			•	•	1.0	A									✓						✓	✓	

# BUSINESS & MARKETING

Course No.	Course Title	9th Grade	10th Grade	11th Grade	12th Grade	Credit	Pathway Level	21st Century Academy only	OATC Program	College Now	NCAA Approved	Communications	English Language	Fine Arts - Visual & Performing	Language Applications	Life Studies	Math	PE & Health Education	Science - Life	Science - Physical	Social Studies	STEM	Individual Focus	
<b>Business Finance Academy Courses (Olathe South only)</b>																								
BU 500P	Business Essentials	•	•			0.5	I																✓	
BU 560P	Accounting I	•	•	•	•	0.5	T																	✓
BU 565P	Accounting II	•	•	•	•	0.5	T																	✓
BU 620P	Business Communications		•	•	•	0.5	T					✓												✓
BU 680P	Banking and Finance			•	•	0.5	A	21																✓
BU 676 AP/BP	College Accounting			•	•	1.0	A	21	✓															✓
BU 681P	Investing			•	•	0.5	A	21																✓
BU 684P	Business Finance Work Experience IA				•	0.5	A	21																✓
BU 685P	Business Finance Work Experience IB				•	1.0	A	21																✓
BU 686P	Business Finance Work Experience II				•	1.0	A	21																✓

To be considered a CTE Completer, a student must complete a minimum of 3.0 credits within a pathway; at least 2 of those credits must be a combination of technical and application level courses plus earning an industry-recognized certification or passing a third-party, end-of-Pathway assessment.

## Accounting I BU 560P

Grade Level: 9, 10, 11, 12  
One Semester - 0.5 credit

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 is the first in a sequence of three courses providing a foundation which supports both college-level coursework and personal financial experiences.

## Accounting II BU 565P

Grade Level: 9, 10, 11, 12  
One Semester - 0.5 credit  
Prerequisite: 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.

## Banking and Finance BU 680P

Grade Level: 11, 12  
One Semester - 0.5 credit



Banking and Finance will focus on all aspects of banking and financial analysis. This course will also address examining and applying the methods used for measuring the financial performance of banks in addition to examining specialized brokerage products, current issues, and future trends in banking. **Guided Enrollment Note: This course is offered only at Olathe South High School as part of the Business Finance Academy and is required of students in the Finance track.**

## Business Communications BU 620P

Grade Level: 10, 11, 12  
One Semester - 0.5 credit

This course will help students to develop an understanding and appreciation for effective communication in business situations and environments. Emphasis is placed on all phases of communication: speaking, listening, thinking, responding, reading, writing, communicating non-verbally, and utilizing technology for communication. Business communication functions, processes, and applications in the context of business may be practiced through problem-based projects and real-world applications.

## Business Economics SS 612P

Grade Level: 9, 10, 11, 12  
One Semester - 0.5 credit

Business Economics integrates economic principles of free market economy, consumerism, and the role of American government within the economic system with entrepreneurship/business concepts (such as marketing principles, business law, and risk). Student will learn basic macroeconomic and microeconomic theory, fiscal and monetary policies, the role and significance of international economics and government trade and regulatory policies.

## Business Essentials BU 500P

Grade Level: 9, 10  
One Semester - 0.5 credit

This course 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. This course is appropriate for any student interested in Entrepreneurship and owning their own business.

# BUSINESS & MARKETING

## COURSE DESCRIPTIONS

**Business Finance Work Exp IA - 0.5 credit** BU 684P  
**Business Finance Work Exp IB - (block) 1.0 credit** BU 685P

Grade Level: 12  
 One Semester - 0.5 credit OR 1.0 credit (block)

21

This course is a culmination of the 4-year academy plan of study and involves a student Work-Based Learning experience. This class provides a culmination activity along with Work-Based experience that synthesizes a student's learning and helps further define their post-secondary plans. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). This course may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. **Guided Enrollment Note: This course is offered only at Olathe South High School as part of the Business Finance Academy. Open to Business Finance Academy students who are meeting academy expectations.**

**Business Finance Work Experience II** BU 686P

Grade Level: 12  
 One Semester (block) - 1.0 credit

21

This advanced-level work-based learning course expands on the knowledge and skills a student has learned through the entire Business Finance pathway of courses and provides a more in-depth application of the industry. **Guided Enrollment Note: This course is offered only at Olathe South High School as part of the Business Finance Academy. Open to Business Finance Academy students who are meeting academy expectations.**

**Business Law** BU 540P

Grade Level: 9, 10, 11, 12  
 One Semester - 0.5 credit



This course identifies and promotes the skills needed in law and law associated professions. Topics include the origins, ethics, structures, and institutions of law. It concentrates on several types of law including criminal, civil, consumer, contract, property, agency, employment, family and environmental law. Throughout the course, students will use case studies to examine and evaluate ethics, rights, and responsibilities in business law.

**Business Management** BU 660P

Grade Level: 11, 12  
 One Semester - 0.5 credit  
 Prerequisite: 0.5 credit Business course within Marketing Pathway or Business Management & Entrepreneurship Pathway

This course will acquaint students with management opportunities and effective human relations providing students with the skills to perform planning, staffing, financing, and controlling functions within a business. Students will be exposed to macro-level study of the business world, including business structure and finance, and the interconnections among industry, government, and the global economy. The course will emphasize problem-based, real-world applications of business concepts and use accounting concepts to formulate, analyze, and evaluate business decisions.

**Business Management Work Experience I** BU 665P

Grade Level: 12  
 One Semester - 1.0 credit  
 Prerequisite: 1.0 credit within Business Management Pathway

This course will acquaint students with management opportunities and effective human relations providing students with the skills to perform planning, staffing, financing, and controlling functions within a business. Students will be exposed to macro-level study of the business world, including business structure and finance, and the interconnections among industry, government, and the global economy. The course will emphasize problem-based, real-world applications of business concepts and use accounting concepts to formulate, analyze, and evaluate business decisions.

**Business Management Work Experience II** BU 666P

Grade Level: 12  
 One Semester - 1.0 credit  
 Prerequisite: 1.0 credit within Business Management Pathway

This course will acquaint students with management opportunities and effective human relations providing students with the skills to perform planning, staffing, financing, and controlling functions within a business. Students will be exposed to macro-level study of the business world, including business structure and finance, and the interconnections among industry, government, and the global economy. The course will emphasize problem-based, real-world applications of business concepts and use accounting concepts to formulate, analyze, and evaluate business decisions.

**College Accounting** BU 676 AP/BP

Grade Level: 11, 12  
 Two Semesters - 1.0 credit  
 Prerequisite: Accounting II

21

This course will expand upon the fundamental accounting principles and procedures used in businesses. Course content includes the full accounting cycle, payroll, taxes, debts, depreciation, ledger and journal techniques, and periodic adjustments. Students learn how to apply standard auditing principles and to prepare budgets and final reports. Topics include principles of partnership and corporate accounting and the managerial uses of control systems and the accounting process and further enhancement of accounting skills. **Guided Enrollment Note: This course is offered only at Olathe South High School as part of the Business Finance Academy and is required of students in the Accounting track of the Academy.**

**Entrepreneurship** BU 520P

Grade Level: 10, 11, 12  
 One Semester - 0.5 credit

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.



### Financial Literacy

BU 610

Grade Level: 10, 11, 12  
One Semester - 0.5 credit

This course will help students understand concepts, principles and skills involved in making and applying sound financial decisions. This course emphasizes earning income, spending, saving, investing, managing credit and managing risk. **Guided Enrollment Note: This class is a graduation requirement for the classes of 2022 and beyond.**

### Investing

BU 681P

Grade Level: 11, 12  
One Semester - 0.5 credit

21

The Investing course emphasizes the formulation of business and individual investment decisions by comparing and contrasting the investment qualities of cash, stock, bonds, and mutual funds. Students typically review annual reports, predict growth rates, and analyze trends. Stock market simulations are often incorporated into Investing courses. **Guided Enrollment Note: This course is offered only at Olathe South High School as part of the Business Finance Academy and is required of students in the Finance track.**

### Marketing Applications

BU 531 AP/BP

Grade Level: 11, 12  
Two Semesters - 1.0 credit  
Prerequisite: 1.0 credit of any Technical Level  
Marketing Pathway course(s).

This course furthers student understanding and skills in the various marketing functions. Students coordinate management activities, discuss the nature of marketing plans, generate product ideas, coordinate activities in promotional mix, and demonstrate specialized sales processes and techniques. Economic and financial concepts are also stressed throughout the course. Students will engage in hands-on, real-world activities through a variety of Project Based Learning and may have the opportunity for an in-house training by managing and running the school store.

### Principles of Marketing and Brand Management

BU 547P

Grade Level: 9, 10, 11, 12  
One Semester - 0.5 credit

This class offers students insight into the field of marketing and branding decisions. Students will be introduced to promotional and branding strategies as well as learning pricing, distribution and marketing research through project-based learning.

### Principles of Marketing and Selling

BU 546P

Grade Level: 9, 10, 11, 12  
One Semester - 0.5 credit

This class offers students insight into the selling processes affecting the marketing of goods and services from the producer to the consumer. Project based learning provides the students with authentic learning opportunities.

# COMMUNICATIONS & DIGITAL TECHNOLOGY

Course No.	Course Title	9th Grade	10th Grade	11th Grade	12th Grade	Credit	Pathway Level	21st Century Academy only	OATC Program	College Now	NCAA Approved	Communications	English Language	Fine Arts - Visual & Performing	Language Applications	Life Studies	Math	PE & Health Education	Science - Life	Science - Physical	Social Studies	STEM	Individual Focus
<p><i>Courses offered within a pathway may vary at each school. Please visit with your school's counselor for specific school pathway courses.</i></p>																							
PA 710	Public Speaking	•	•	•	•	0.5					✓	✓											✓
<b>Media Design &amp; Communications Pathway (All High Schools)</b>																							
BU 500P	Business Essentials <i>See Business for course description</i>	•	•			0.5	I																✓
LA 820P	Intro To Journalism	•	•	•		0.5	T				✓	✓			✓	✓							✓
CP 462P	Graphic Design I	•	•	•	•	0.5	T							✓	✓								✓
CP 464P	Graphic Design II	•	•	•	•	0.5	T							✓	✓								✓
LA 835 AP/BP	Media Production - Yearbook	•	•	•	•	1.0	T								✓	✓							✓
LA 830 AP/BP	Media Production - Newspaper	•	•	•	•	1.0	T					✓		✓	✓								✓
AR 470P	Photojournalism I	•	•	•	•	1.0	T								✓	✓							✓
AR 475	Photojournalism II	•	•	•	•	1.0	T								✓	✓							✓
IT 820P	Video Production I	•	•	•	•	0.5	T								✓	✓							✓
CP 553P	Web Design I	•	•	•	•	0.5	T								✓	✓							✓
CP 554P	Web Design II	•	•	•	•	0.5	T								✓	✓							✓
CP 470 AP/BP	Advanced Media Production - Editors			•	•	1.0	A								✓	✓							✓
CP 480 AP/BP	Social Media Design WBL			•	•	1.0	A								✓	✓							✓
IT 900 AP/BP	Video Production II			•	•	1.0	A								✓	✓							✓
<b>Programming &amp; Software Development Pathway (All High Schools)</b>																							
CP 553P	Web Design I	•	•	•	•	0.5	T								✓	✓							✓
CP 554P	Web Design II	•	•	•	•	0.5	T								✓	✓							✓
CP 660 AP/BP	AP Computer Science Principles			•	•	1.0	T				✓												✓
CP 680 AP/BP	AP Computer Science A			•	•	1.0	A			✓	✓												✓
<b>Computer Science Academy (Olathe South Only)</b>																							
CP 510 AP/BP	Technical Intro to Computer Science	•				1.0	T	21															✓
CP 660 AP/BP	AP Computer Science Principles			•	•	1.0	T				✓												✓
CP 680 AP/BP	AP Computer Science A			•	•	1.0	A			✓	✓												✓
CP 635 AP/BP	Cybersecurity			•	•	1.0	A	21															✓
CP 640 AP/BP	Computer Science Senior Capstone			•	•	1.0	A	21				✓			✓								✓
<b>Design Academy (Olathe East only)</b>																							
AR 406P	Introduction to Design - Product <i>See Engineering &amp; Trades for course description</i>	•	•	•		0.5	I	21						✓									✓
<b>e-Communication Academy (Olathe Northwest only)</b>																							
CP 405 AP/B	Foundations of e-Communication	•				1.0	T	21					✓	✓	✓								✓
CP 462P	Graphic Design I	•	•	•	•	0.5	T							✓	✓								✓
CP 464P	Graphic Design II	•	•	•	•	0.5	T							✓	✓								✓
CP 553P	Web Design I	•	•	•	•	0.5	T								✓	✓							✓
CP 554P	Web Design II	•	•	•	•	0.5	T								✓	✓							✓
AR 600P	2D Animation I		•	•	•	0.5	T	21						✓	✓	✓							✓
AR 604P	3D Animation I		•	•	•	0.5	T	21		✓				✓	✓	✓							✓
AR 603P	2D Animation II			•	•	0.5	T	21						✓	✓	✓							✓
AR 606P	3D Animation II			•	•	0.5	T	21		✓				✓	✓	✓							✓
CP 466P	Graphic Design III			•	•	0.5	T	21						✓	✓								✓
CP 467P	Graphic Design IV			•	•	0.5	T	21						✓	✓								✓
PA 820P	Sports Information Directors (SID) I			•	•	1.0	T	21							✓	✓							✓

# COMMUNICATIONS & DIGITAL TECHNOLOGY

Course No.	Course Title	9th Grade	10th Grade	11th Grade	12th Grade	Credit	Pathway Level	21st Century Academy only	OATC Program	College Now	NCAA Approved	Communications	English Language	Fine Arts - Visual & Performing	Language Applications	Life Studies	Math	PE & Health Education	Science - Life	Science - Physical	Social Studies	STEM	Individual Focus	
PA 825	Sports Information Directors (SID) II			•	•	1.0	T	21							✓	✓							✓	✓
CP 558	Web Design III			•	•	0.5	T	21	✓						✓	✓							✓	✓
CP 559	Web Design IV			•	•	0.5	T	21	✓						✓	✓							✓	✓
CP 715P CP 716P	e-Communication Capstone I e-Communication Capstone II				•	2.0	A	21				✓	✓	✓	✓								✓	✓

To be considered a CTE Completer, a student must complete a minimum of 3.0 credits within a pathway; at least 2 of those credits must be a combination of technical and application level courses plus earning an industry-recognized certification or passing a third-party, end-of-Pathway assessment.

## 2D Animation I AR 600P

Grade Level: 10, 11, 12 **21**  
 One Semester - 0.5 credit  
 Prerequisite: Foundations of e-Communication

This course provides students with the opportunity to explore and produce visual imagery and graphics to communicate information and ideas to multiple audiences. This course uses a variety of media and formats for various fields such as advertising, TV/Video, and the web. **Guided Enrollment Note: This course is offered only at Olathe Northwest High School as part of the e-Communication Academy.**

## 2D Animation II AR 603P

Grade Level: 11, 12 **21**  
 One Semester - 0.5 credit  
 Prerequisite: 2D Animation I

This course provides students with the opportunity to expand their knowledge and skills in producing visual imagery and graphics to communicate information and ideas to multiple audiences. This course uses a variety of media and formats for various fields, such as advertising, TV/Video, and the web. **Guided Enrollment Note: This course is offered only at Olathe Northwest High School as part of the e-Communication Academy.**

## 3D Animation I AR 604P

Grade Level: 10, 11, 12 **21**  
 One Semester - 0.5 credit  
 Prerequisite: Foundations of e-Communication

The 3D Animation course explores the creative and conceptual aspects of designing and producing animated images for storytelling and multimedia presentations including dramatic narratives; artistic and experimental presentations and installations; and ambient, interactive, immersive and performance media. Topics may include motion graphics; compositing and visual effects; 2D and 3D animation; timing and spacing; aspect ration; video editing; animation physics and expressions; pre- and post-production methods, tools, and processes; animation presentation, transmission, distribution, and marketing; and contextual, cultural, and historical aspects and considerations. **Guided Enrollment Note: This course is offered only at Olathe Northwest High School as part of the e-Communication Academy.**

## 3D Animation II AR 606P

Grade Level: 11, 12 **21**  
 One Semester - 0.5 credit  
 Prerequisite: 3D Animation I

This course expands the students knowledge in the creative an conceptual aspects of desinging and producing animated images for storytelling and multimedia presentations including dramatic narratives; artistic and experimental presentations and installations; and ambient, interactive, immersive and performance media. Topics may include motion graphics; compositing and visual effects; 2D and 3D animation; timing and spacing; aspect ration; video editing; animation physics and expressions; pre- and post- production methods, tools, and processes; animation presentation, transmission, distribution, and marketing; and contextual, cultural, and historical aspects and considerations. **Guided Enrollment Note: This course is offered only at Olathe Northwest High School as part of the e-Communication Academy.**

## Advanced Media Production - Editors CP 470 AP/BP

Grade Level: 11, 12  
 Two Semesters - 1.0 credit  
 Prerequisite: Media Production-Yearbook OR Media Production-Newspaper

This course guides students through the day-to-day management of scholastic media outlets, emphasizing the development of skills in human relations, oral and written communication, critical thinking, advanced problem-solving, development of plans for project management, and resource scheduling. This class is designed to help student editors meeting the stringent demands of leading a group toward a common goal. **Guided Enrollment Note: Course may be repeated for credit.**

## AP Computer Science A CP 680 AP/BP

Grade Level: 11, 12 **✓NCAA**  
 Two Semesters - 1.0 credit  
 Prerequisite: AP Computer Science Principles

This course provides students with the logical, mathematical, and problem-solving skills needed to design structured, well-documented computer programs that provide solutions to real-world problems. Specific topics may include programming methodology, features and procedures, algorithms, data structures, computer systems, and programmer responsibilities.

# COMMUNICATIONS & DIGITAL TECHNOLOGY

## COURSE DESCRIPTIONS

### AP Computer Science Principles

CP 660 AP/BP



Grade Level: 10, 11, 12

Two Semesters - 1.0 credit

Prerequisite: Web Design I &amp; II (highly recommended)

This course offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. Students will have the opportunity to use technology to address real-world problems and build relevant solutions. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science.

### Computer Science Senior Capstone

CP 640 AP/BP

21

Grade Level: 12

Two Semesters - 1.0 credit

Prerequisite: Cybersecurity (SEC) or AP Computer Science A

This course is a culmination of the 4-year academy plan of study. It involves a student Professional Learning Experience and provides students with the information and skills necessary for success in managing projects and operating logistical ventures in technology, business, and industry. This course covers scheduling of resources, utilization of Gantt charts and risk management. Other possible topics include problem-solving and decision-making and building leadership skills. This course will also incorporate a survey of the careers within technology industries. **Guided Enrollment Note: This course is only offered at Olathe South High School as part of the Computer Science Academy. Open to Computer Science Academy students who are meeting academy expectations.**

### Cybersecurity

CP 635 AP/BP

21

Grade Level: 11, 12

Two Semesters - 1.0 credit

Prerequisite: AP Computer Science Principles

This course introduces the tools and concepts of cybersecurity and encourages students to create solutions that allow people to share computing resources while protecting privacy. In this course, students solve problems by understanding and closing these vulnerabilities. This course raises students' knowledge of and commitment to ethical computing behavior. It also aims to develop students' skills as consumers, friends, citizens, and employees who can effectively contribute to communities with a dependable cyber-infrastructure that moves and processes information safely. **Guided Enrollment Note: This course is only offered at Olathe South High School as part of the Computer Science Academy.**

### e-Communication Capstone I e-Communication Capstone II

CP 715P

CP 716P

21

Grade Level: 12

Two Semesters - 2.0 credit

The goal of this course is to provide the student with work-based learning opportunities in graphic, web, animation, or video and is focused on applying technical skills to solve real-world problems. Experience can be an internship, client-centered project, or simulated work experience. This course will also provide instruction in the organization and presentation of a professional portfolio. Instruction in interviewing techniques and employment searches will also be provided. **Guided Enrollment Note: This course is offered only at Olathe Northwest High School as part of the e-Communication Academy. Open to e-Communication Academy students who are meeting academy expectations.**

### Foundations of e-Communication

CP 405 AP/405B

21

Grade Level: 9

Two Semesters - 1.0 credit

This course provides students with the opportunity to explore the communication process to produce visual imagery and to apply graphic techniques to various fields including advertising, animation, TV/video, and web. Topics include analyzing the design elements and principles, exploring industry tools, software, and equipment and learning composition techniques to develop a quality product. **Guided Enrollment Note: This course is offered only at Olathe Northwest High School as part of the e-Communication Academy.**

### Graphic Design I

CP 462P

Grade Level: 9, 10, 11, 12

One Semester - 0.5 credit

Graphic Design I provides a basic understanding of the graphic design process as visual and artistic communication. Topics include analyzing the design elements and principles, exploring industry tools, software, and equipment, and learning composition techniques to develop a quality product. **Guided enrollment Note: This course is offered at all high schools with open enrollment and is a required course for students pursuing the Graphic Design Strand of e-Communication Academy.**

### Graphic Design II

CP 464P

Grade Level: 9, 10, 11, 12

One Semester - 0.5 credit

Prerequisite: Graphic Design I

Students will advance their knowledge and skills of graphic design and illustration. Topics will include page layout/design and creating digital illustrations. Students will build a portfolio of work to demonstrate skills learned. **Guided enrollment Note: This course is offered at all high schools with open enrollment and is a required course for students pursuing the Graphic Design Strand of e-Communication Academy.**

### Graphic Design III - 0.5 credit

CP 466P

### Graphic Design IV - 0.5 credit

CP 467P

21

Grade Level: 11, 12

One or Two Semesters - 0.5 credit each

Prerequisite: Graphic Design II

Students expand their knowledge through accelerated learning in graphic design as a means of visual communication, exploring a variety of media, tools and software used by design and interactive media companies worldwide to communicate ideas visually. Students apply design and illustration principles, and develop the technical foundation needed to excel in future courses and in client work. In addition, students explore a wide range of careers in graphic design, illustration, fine arts, apparel/textile design, industrial design, web design, social design, and User Interface (UI)/User Experience (UX) design. **Guided Enrollment Note: This course is offered only at Olathe Northwest High School as part of the e-Communication Academy.**

### Introduction to Journalism LA 820P

Grade Level: 9, 10, 11  
 One Semester - 0.5 credit



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.

### Media Production - Newspaper LA 830 AP/BP

Grade Level: 9, 10, 11, 12  
 Two Semesters - 1.0 credit  
 Prerequisite: Intro to Journalism recommended

Students will advance their knowledge and skills in journalistic writing, editing, page design, headline writing, and other journalistic skills. Topics include developing a production schedule, working as a team, utilizing composition principles, embedding audio, video, and interactive media into presentation medias. 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.**

### Media Production - Yearbook LA 835 AP/BP

Grade Level: 9, 10, 11, 12  
 Two Semesters - 1.0 credit

Students will advance their knowledge and skills in journalistic writing, editing, page design, headline writing, and other journalistic skills. Topics include developing a production schedule, working as a team, utilizing composition principles, and embedding audio, video, and interactive media into presentation medias. Students will also conduct the business of the newspaper, such as advertising sales, builling, and distribution. **Guided Enrollment Note: This course may be repeated by permission of the instructor. Students should complete an application prior to spring enrollment. It is highly recommended that students take Intro to Journalism OR Basic Digital Photography OR Graphic Design prior to enrollment.**

### Photojournalism I LA 470P Photojournalism II LA 475P

Grade Level: 9, 10, 11, 12  
 Two Semesters - 1.0 credit

This course is for students wanting to develop photography skills and/or to pursue journalism via photography and teaches the technical skills needed to produce quality images for use in a variety of applicaitons. Products from this class will be published in school media. **Guided Enrollment Note: Out-of-class time is required at after school events.**

### Public Speaking PA 710

Grade Level: 9, 10, 11, 12  
 One Semester - 0.5 credit



This course is designed to improve students' public speaking skills. Assignments will include persuasive, informative, and entertainment speeches, as well as group discussion, debate, and oral interpretation.

### Social Media Design WBL CP 480 AP/BP

Grade Level: 11, 12  
 One Semester - 1.0 credit  
 Prerequisite: Graphic Design II OR Video Production II OR Web Design II

This course provides students work experiences in fields related to social media and web digital interface design. Experience can be an internship, apprenticeship, or simulated work experience where students navigate the complexities of social media and web design. Students will develop skills to design and develop graphics, websites, and social media marketing. This course may also include classroom activities involving further study of the field or discussion regarding experiences that students encounter in the workplace.

### Sports Information Directors (SID) I PA 820P Sports Information Directors (SID) II PA 825

Grade Level: 11, 12  
 Two Semesters - 1.0 credit  
 Prerequisite: Introduction to Journalism AND Video Production I



This course will build skills needed to communicate messages to the public through advertising and public relations activities. Students will work with athletic teams to write stories, track statistics, publicize groups, produce and broadcast sporting events and mangage news websites. **Guided Enrollment Note: This course is offered only at Olathe Northwest High School as part of the e-Communication Academy.**

### Technical Intro to Computer Science CP 510 AP/BP

Grade Level: 9  
 Two Semesters -1.0 credit



Students will develop an introductory understanding of fundamental computer science concepts and apply computational thinking skills to solve problems through the use of entry level coding tools for computers and/or mobile devices. **Guided Enrollment Note: Highly recommend completed or concurrent enrollment in Algebra I. CP 505 AP/BP is offered only at Olathe South High School as part of the Computer Science Academy.**

### Video Production I IT 820P

Grade Level: 9, 10, 11, 12  
 One Semester - 0.5 credit

This course focuses on the basic concepts of video production for a variety of uses. Students integrate a variety of communications with an emphasis on broadcasting, video production and music production. Topics include analyzing the pre-production, production and post-production process, as well as exploring the equipment and techniques used to develop a quality video production. **Guided Enrollment Note: Out-of-class time is required. A lab fee may be required. Fee scholarships are available.**

### Video Production II

IT 900 AP/BP

Grade Level: 11, 12

Two Semesters - 1.0 credit

Prerequisite: Video Production I

This course builds on the technical knowledge gained in Video Production I by allowing students to orchestrate projects from setting the objectives to the post-production evaluation. Emphasis is placed on the production of public service announcements, features, documentaries, broadcasting, radio disc-jockey, and special event or highlight videos. The focus of the course is on the entire process of planning the presentation, setting up the studio, acting as videographer and editor to make a fluid and seamless product. **Guided Enrollment**

**Note: Out-of-class time is required. Students should complete an application prior to spring enrollment. This course may be repeated by permission of the instructor.**

### Web Design I

CP 553P

Grade Level: 9, 10, 11, 12

One Semester - 0.5 credit

A foundation of web design will be gained by learning HTML and CSS, the standard web languages. Also, students will 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. **Guided enrollment Note:**

**This course is offered at all high schools with open enrollment and is a required course for students pursuing the Web Design Strand of the 21st Century e-Communication Academy.**

### Web Design II

CP 554P

Grade Level: 9, 10, 11, 12

One Semester - 0.5 credit

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. **Guided enrollment Note: This course is offered at all high schools with open enrollment and is a required course for students pursuing the Web Design Strand of the 21st Century e-Communication Academy.**

### Web Design III - 0.5 credit

CP 558

### Web Design IV - 0.5 credit

CP 559

Grade Level: 11, 12

One or Two Semesters - 0.5 credit each

Prerequisite: Web Design II

Students will advance their knowledge and skills in web design following effective layout, user interface, usability, and cross-platform compatibility principles. Students use elements of advanced web design to create websites that are responsive for mobile, tablet, and desktop screen sizes. Students will create and edit content-managed sites for portfolios, businesses, blogs, and client websites. **Guided Enrollment Note: This course is offered only at Olathe Northwest High School as part of the e-Communication Academy**

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# ENGINEERING & TRADES

Course No.	Course Title	9th Grade	10th Grade	11th Grade	12th Grade	Credit	Pathway Level	21st Century Academy only	OATC Program	College Now	NCAA Approved	Communications	English Language	Fine Arts - Visual & Performing	Language Applications	Life Studies	Mathematics	PE & Health Education	Science - Life	Science - Physical	Social Studies	STEM	Individual Focus
<b>Green Tech Academy - Energy (Olathe West only)</b>																							
<i>Green Tech Academy - Sustainability - See Science</i>																							
GT 300P	Investigations in Green Tech-Energy	•				0.5	I	21															✓
GT 420 AP/BP	Energy Industry Fundamentals			•		1.0	T	21															✓
SC 490 AP/BP	AP Environmental Science <i>See Science for course description</i>			•	•	1.0				✓	✓								✓				✓
GT 790 AP/BP	Green Tech WBL-Energy				•	1.0	A	21							✓								✓
<b>Auto Technology (Olathe Advanced Technical Center / OATC only)</b>																							
VE 613P	Alternative Power			•	•	0.5	T	◆	✓						✓								✓
VE 603P	Brakes I			•	•	0.5	T	◆	✓						✓								✓
VE 604P	Brakes II			•	•	0.5	A	◆	✓						✓								✓
VE 614P	Drive Train Technology			•	•	0.5	T	◆	✓						✓								✓
VE 615P	Electronic & Electrical Systems I			•	•	1.0	T	◆	✓						✓								✓
VE 617P	Electronic & Electrical Systems II			•	•	1.0	A	◆	✓						✓								✓
VE 600P	Engine Mechanical Repair			•	•	0.5	T	◆	✓						✓								✓
VE 622P	Mobile HVAC			•	•	0.5	T	◆	✓						✓								✓
VE 601P	Steering & Suspension I			•	•	0.5	T	◆	✓						✓								✓
VE 602P	Steering & Suspension II			•	•	0.5	A	◆	✓						✓								✓
VE 623P	Work Experience in Transportation I & II				•	1.5	A	◆							✓								✓
VE 630P																							✓
<b>Construction Trades (Olathe Advanced Technical Center / OATC only)</b>																							
VE 440P	Carpentry I			•	•	1.0	T	◆							✓								✓
VE 446P	Electrical Technology			•	•	0.5	A	◆							✓								✓
VE 443P	Plumbing Technology			•	•	1.0	A	◆							✓								✓
VE 445P	Carpentry II				•	1.0	A	◆							✓								✓
VE 449P	Construction Workplace Experience I				•	0.5	A	◆							✓								✓
VE 455P	Construction Workplace Experience II				•	1.0	A	◆							✓								✓
VE 441P	Remodel & Building Maintenance				•	0.5	A	◆							✓								✓
VE 450P	Research & Design in Building Trades				•	1.0	A	◆							✓								✓
<b>Electronics &amp; Avionics (Olathe Advanced Technical Center / OATC only)</b>																							
VE 715P	Aviation Fundamentals			•	•	0.5	T	◆							✓								✓
VE 720P	Digital Electronics			•	•	1.0	A	◆	✓						✓								✓
VE 700P	Foundation of Electronics			•	•	1.0	T	◆	✓						✓								✓
VE 710P	Hand & Power Tools			•	•	0.5	T	◆							✓								✓
VE 725P	DC Electronics				•	1.0	A	◆	✓						✓								✓
VE 780P	Electronics & Avionics Work Experience I				•	1.5	A	◆	✓						✓								✓
VE 785P	Electronics & Avionics Work Experience II																						✓
<b>Welding Technology (Olathe Advanced Technical Center / OATC only)</b>																							
VE 710P	Hand & Power Tools			•	•	0.5	T	◆							✓								✓
VE 463P	Welding Processes I			•	•	1.0	T	◆							✓								✓
VE 470P	Welding Processes II			•	•	1.0	A	◆							✓								✓
VE 466P	Production Methods I				•	1.0	T	◆							✓								✓
VE 451P	Production Print Reading II				•	0.5	I	◆							✓								✓
VE 675P	Work Experience in Welding I & II				•	1.5	A	◆							✓								✓
VE 472P																							✓

To be considered a CTE Completer, a student must complete a minimum of 3.0 credits within a pathway; at least 2 of those credits must be a combination of technical and application level courses plus earning an industry-recognized certification or passing a third-party, end-of-Pathway assessment.



## Advanced Engineering CAD III

IT 520

Grade Level: 11, 12

One Semester - 0.5 credit

Prerequisite: Engineering Drafting/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. All students prepare a professional portfolio demonstrating work. Hands-on laboratory activities provide the primary means of learning. **Guided Enrollment Note: This course is offered only at Olathe Northwest High School as part of the Engineering Academy.**

## Alternative Power

VE 613P

Grade Level: 11, 12

One Semester - 0.5 credit



Alternative Power is a Technical level course and part of a series of courses taken concurrently which make up Auto Technology I. The course is designed to provide students with basic theories and information needed to develop an understanding of alternative power vehicles. This comprehensive course is NATEF approved. Students will be involved in leadership and employability skills through SkillsUSA including local, state and national competitions. **Guided Enrollment Note: This course is offered at Olathe Advanced Technical Center (OATC) as part of the Auto Technology program.**

## Architectural CAD I

IT 430P

Grade Level: 9, 10, 11, 12

One Semester - 0.5 credit

This course provides a study of the fundamental principles of architectural design common to buildings, bridges, homes, and other structural frameworks. Students may design homes or commercial buildings, construct models, create construction and presentation drawings and develop design presentations including boards, models and 3D computer generated renderings and animations.

## Architectural CAD II

IT 440P

Grade Level: 9, 10, 11, 12

One Semester - 0.5 credit

Prerequisite: Architectural CAD I

This advanced architectural drawing course will focus on communication skills used by professionals in various fields of architecture and design. Projects are developed to simulate real-world design problems using 3D computer generated modeling. This course is recommended for any student interested in a career in one of the many related fields of Architecture or CAD technology.

## Architectural Design I

IT 762AP / IT 762B

Grade Level: 10, 11

Two Semesters - 1.0 credit

Prerequisite: Introduction to Design-Architecture AND Introduction to Design-Product

Students will gain knowledge, understanding and skills needed to enter a career in architecture or construction or prepare a foundation toward postsecondary degrees in architecture, construction sciences, drafting, landscape architecture or product design. Coursework will emphasize the understanding and applying of design, design history, techniques, and tools related to the hand production of drawings, renderings, and scaled models for architectural, landscape architectural, product design, and construction sciences purposes. **Guided Enrollment Note: This course is offered only at Olathe East High School as part of the Design Academy.**

## Architectural Design II

IT 764AP / IT 764B

Grade Level: 11, 12

Two Semesters - 1.0 credit

Prerequisite: Architectural Design I

Students will gain advanced knowledge and analyzing skills needed to enter a career in architecture or prepare a foundation toward postsecondary degrees in architecture, construction sciences, drafting, landscape architecture or product design. Design Principles in Architecture II will build on the foundations of design principles through advanced analysis and evaluation of design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for architectural, landscape architectural, product design, and construction sciences purposes. **Guided Enrollment Note: This course is offered only at Olathe East High School as part of the Design Academy.**

## Aviation Fundamentals

VE 715P

Grade Level: 11, 12

One Semester - 0.5 credit



This course provides an Introduction to Aviation fundamentals related to materials, processes, and history of Aviation. **Guided Enrollment Note: This course is offered at Olathe Advanced Technical Center (OATC) as part of the Avionics & Electronics Technology program.**

## Brakes I

VE 603P

Grade Level: 11, 12

One Semester - 0.5 credit



Brakes I is a Technical level course and part of a series of courses taken concurrently which make up Auto Technology I. The course is designed to provide students with the basic theories, equipment, and skills needed to inspect and service braking systems. This comprehensive course is NATEF approved. Students will be involved in leadership and employability skills through SkillsUSA including local, state and national competitions. **Guided Enrollment Note: This course is offered at Olathe Advanced Technical Center (OATC) as part of the Auto Technology program.**

## Brakes II

VE 604P

Grade Level: 11, 12

One Semester - 0.5 credit



Advanced Brakes is an application level course and part of a series of courses taken concurrently which make up Auto Technology I. The course is designed to provide students with the advanced skills needed to inspect, service and repair braking systems to industry standards. This comprehensive course is NATEF approved. Students will be involved in leadership and employability skills through SkillsUSA including local, state and national competitions. **Guided Enrollment Note: This course is offered at Olathe Advanced Technical Center (OATC) as part of the Auto Technology program.**

## Carpentry I

VE 440P

Grade Level: 11, 12

One Semester - 1.0 credit



This course is designed to introduce students in the basic knowledge and skills required for construction of residential structures. Students will become familiar with the terms, methods, procedures, sequences of operation, and types of construction and planning in civil and building construction. **Guided enrollment note: This course is offered at Olathe Advanced Technical Center (OATC) as part of the Construction Trades program.**

# ENGINEERING & TRADES

## Carpentry II

VE 445P

Grade Level: 12  
One Semester - 1.0 credit



Prerequisite: Carpentry I

This advanced course is designed to instruct students in skills pertaining to rough construction and finish work. Students will explore various building materials and how they are assembled during the construction process. Topics include wood, brick masonry, steel, concrete, and sustainable construction. **Guided enrollment note: This course is offered at Olathe Advanced Technical Center (OATC) as part of the Construction Trades program.**

## Construction Principles (Geometry in Construction)

IT 565 AP/BP

Grade Level: 9, 10, 11  
Two Semesters - 1.0 credit

This technical level course is designed to instruct students in woodworking and various materials common to construction and manufacturing, architecture and engineering industries. **Guided Enrollment Note: This course is 1 part of the 2-hour block for Geometry in Construction. Students should also enroll in MA 540 A/B Geometry. Material cost for individual projects. Fee scholarships available.**

## Construction Workplace Exp I - 0.5 credit Construction Workplace Exp II - 1.0 credit

VE 449P

VE 455P

Grade Level: 12  
One Semester - 1.5 credit (block)



This is an advanced application level course that offers students an opportunity to apply knowledge and skills in an actual workplace setting that explores all aspects of the selected industry, builds relationships with industry professionals, and creates a seamless transition from secondary to postsecondary pursuits and job satisfaction. **Guided enrollment note: This course is offered at Olathe Advanced Technical Center (OATC) as part of the Construction Trades program.**

## DC Electronics

VE 725P

Grade Level: 12  
One Semester - 1.0 credit



This course covers resistive circuits having DC sources. Analysis topics include Ohm's law Kirchoff's law, Watt's law, the superposition theorem, Thevenin's theorem and Norton's theorem. The current, voltage and resistance relationships in series, parallel and combination circuits will be studied. **Guided Enrollment Note: This course is offered at Olathe Advanced Technical Center (OATC) as part of the Avionics & Electronics Technology program.**

## Design & Engineering WBL

IT 795 AP/BP

Grade Level: 12  
Two Semesters - 1.0 credit

21

Prerequisite: Architectural Design II OR Product Design II

This course is a culmination of the 4-year academy plan of study and includes opportunity for professional experiences through shadowships, internships, and client-centered projects. This class synthesizes a student's learning and helps students further define their post-secondary plans. **Guided Enrollment Note: This course is offered only at Olathe East and Olathe Northwest, as part of the Design Academy and Engineering Academy. Open to Design Academy and Engineering Academies.**

## Design Studio

IT 792AP / IT 792B

Grade Level: 12  
Two Semesters - 1.0 credit

21

This application-level course supports completing postsecondary assests (PSA) aligned with the Product Design and Architectural Design strands in the Design Academy. Examples include but are not limited to: residential and commercial plans, prototyping manufactured products, state and national competitions, and skilled use of laser cutting devices. **Guided Enrollment Note: This course is offered only at Olathe East High School as part of the Design Academy.**

## Digital Electronics

VE 720P

Grade Level: 11, 12  
One Semester (2-hour block)- 1.0 credit



This is a technical level course in which students will study and practice the basic concepts of digital electronics. Topics will include digital number systems, logic gates, logic circuits, flip-flops, digital arithmetic, counters and registers. **Guided Enrollment Note: This course is offered at Olathe Advanced Technical Center (OATC) as part of the Avionics & Electronics Technology program.**

## Drive Train Technology

VE 614P

Grade Level: 11, 12  
One Semester - 0.5 credit



Drive Train Technology is a Technical level course and part of a series of courses taken concurrently which make up Auto Technology I. The course is designed to provide students with the basic theories and skills needed to inspect and service drive train components. This comprehensive course is NATEF approved. Students will be involved in leadership and employability skills through SkillsUSA including local, state and national competitions. **Guided Enrollment Note: This course is offered at Olathe Advanced Technical Center (OATC) as part of the Auto Technology program.**

## Electrical Technology

VE 446P

Grade Level: 11, 12  
One Semester - 0.5 credit



This course is designed to instruct students in the basic skills required for installation of electrical and security systems. **Guided enrollment note: This course is offered at Olathe Advanced Technical Center (OATC) as part of the Construction Trades program.**

## Electronic & Electrical Systems I

VE 615P

Grade Level: 11, 12  
One Semester - 0.5 credit  
Prerequisite: Auto Technology I courses



Electronic/Electrical Systems I & II is a Technical level course and part of a series of courses taken concurrently which make up Auto Technology II. The course is designed to provide students with the basic theories, equipment, and skills needed to inspect and service electrical systems. This comprehensive course is NATEF approved. Students will be involved in leadership and employability skills through SkillsUSA including local, state and national competitions. **Guided Enrollment Note: This course is offered at Olathe Advanced Technical Center (OATC) as part of the Auto Technology program.**

### Electronic & Electrical Systems II

VE 617P

Grade Level: 11, 12  
One Semester - 0.5 credit  
Prerequisite: Auto Technology I courses



Advanced Electronic/Electrical Systems is an Application level course and part of a series of courses taken concurrently which make up Auto Technology II. The course is designed to provide students with the advanced skills needed to inspect, service and repair electrical circuits and devices. This comprehensive course is NATEF approved. Students will be involved in leadership and employability skills through SkillsUSA including local, state and national competitions. **Guided Enrollment Note: This course is offered at Olathe Advanced Technical Center (OATC) as part of the Auto Technology program.**

### Electronics & Avionics Work Experience I Electronics & Avionics Work Experience II

VE 780P

VE 785P

Grade Level: 12  
One semester - 1.5 credit



In this course students will be guided on advanced topics, research, and application covering specific topics in aviation. Students will have an opportunity to apply classroom knowledge and skills in an actual work environment through Work-Based Learning (WBL) such as in-house training, job shadowing, and/or internships. Students will need to provide their own transportation to off-site internship locations. **Guided Enrollment Note: This course is offered at Olathe Advanced Technical Center (OATC) as part of the Avionics & Electronics program.**

### Energy Industry Fundamentals

GT 420 AP/BP

Grade Level: 11  
Two Semesters - 1.0 credit

21

This course provides a broad understanding of the electric and natural gas utility industry and the energy generation, transmission, and distribution infrastructure. The course includes business models, regulations, types of energy and their conversion to useable energy such as electric power, emerging technologies, how generated power is transmitted and distributed to the point of use, and the connection to careers in the energy industry. The students have an opportunity to earn a nationally recognized industry credential by course end. **Guided Enrollment Note: This course is offered only at Olathe West High School as part of the Green Tech Academy.**

### Engine Mechanical Repair

VE 600P

Grade Level: 11, 12  
One Semester - 0.5 credit  
Prerequisite: Auto Technology I courses



Engine Mechanical Repair is a Technical level course and part of a series of courses taken concurrently which make up Auto Technology II. This course covers the tools, skills, and techniques required to perform base engine mechanical repair and testing. This includes engine removal, installation, and maintenance. This comprehensive course is NATEF approved. Students will be involved in leadership and employability skills through SkillsUSA including local, state and national competitions. **Guided Enrollment Note: This course is offered at Olathe Advanced Technical Center (OATC) as part of the Auto Technology program.**

### Engineering Drafting/CAD I

IT 411P

Grade Level: 9, 10, 11, 12  
One Semester - 0.5 credit

This course will help students learn to utilize CAD software as a design tool for engineering, as well as fundamentals of manual orthographic drawings. Several forms of graphic and electronic communication are explored. Students are exposed to graphic design, problem-solving, research and design, and model construction. This class introduces students to 3D computer generated modeling and design.

### Engineering Drafting/CAD II

IT 420P

Grade Level: 9, 10, 11, 12  
One Semester - 0.5 credit

Prerequisite: Engineering Drafting/CAD I

This drawing course will focus on communication skills used by professionals in various fields of engineering. 3D computer generated modeling and design is the primary technical skill applied in this class. Students are presented with problem-solving situations involving the various types of communication systems. This course is recommended for any student interested in a career in one of the many related fields of Engineering or CAD technology.

### Engineering Senior Capstone

SC 785 AP/BP

Grade Level: 11, 12  
Two Semesters - 1.0 credit

21

This course is a culmination of the 4-year academy plan of study and involves a student Professional Learning Experience. This class synthesizes a student's academy learning and helps students further define their post-secondary plans. **Guided Enrollment Note: This course is offered only at Olathe Northwest High School as part of the Engineering Academy. Open to Engineering Academy students who are meeting academy expectations.**

### Foundation of Electronics

VE 700P

Grade Level: 11, 12  
One Semester (2-hour block)- 1.0 credit



This is a beginning course in electronics technology that is appropriate for both electronic majors and other interested students. An overview of basic electronic theory, principles and components is presented. In addition, the laboratory exercises will emphasize the operation and use of the primary pieces of electronic test equipment and the fabrication of selected circuits. **Guided Enrollment Note: This course is offered at Olathe Advanced Technical Center (OATC) as part of the Avionics & Electronics Technology program.**

### Green Tech WBL-Energy

GT 790 AP/BP

Grade Level: 12  
One Semester - 1.0 credit

21

This course is a culmination of the 4-year academy plan of study and involves a student Professional Learning Experience. This class provides a culmination activity that synthesizes a student's academy learning and helps students further define their post-secondary plans. **Guided Enrollment Note: This course is offered only at Olathe West High School as part of the Green Tech Academy. Open to Green Tech Academy students who are meeting academy expectations**

# ENGINEERING & TRADES

## COURSE DESCRIPTIONS

### Hand & Power Tools

VE 710P

Grade Level: 11, 12  
One Semester - 0.5 credit



This course provides technical knowledge used in Aviation and Manufacturing area related to hand and power tools. **Guided Enrollment Note: This course is offered at Olathe Advanced Technical Center (OATC) as part of the Avionics & Electronics Technology program.**

### Interior Design II

HE 855P

Grade Level: 10, 11, 12  
One Semester - 0.5 credit  
Prerequisite: Interior Design I

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 remodeling, designing new interior spaces, working with a client, personal marketing, modern design, and career options. Students will also practice professional presentation skills using industry level technology.

### Introduction to Design - Architecture

IT 404P

Grade Level: 9, 10, 11  
One Semester - 0.5 credit

21

This introductory course examines a variety of aspects that encompass the designed environment in which we work, live and play. Students will be introduced to technical skills designers use to create products. This class includes an overview of the design process, introduction to drafting, and various other graphic communication methods and technology. **Guided Enrollment Note: This course is offered only at Olathe East High School as part of the Design Academy and is taken opposite Introduction to Design - Product.**

### Introduction to Design - Product

AR 406P

Grade Level: 9, 10, 11  
One Semester - 0.5 credit

21

This introductory course emphasizes fundamental drawing skills with a focus on application, process, and techniques. Instruction includes the elements and principles of design as applied in composition through hard and electronic software. **Guided Enrollment Note: This course is offered only at Olathe East High School as part of the Design Academy and is taken opposite Introduction to Design - Architecture.**

### Introduction to Engineering

IT 392 AP/BP

Grade Level: 9  
Two Semesters - 1.0 credit

21

In this introductory level course, students discover the engineering design process through hands-on and collaborative environment. Students explore STEM processes while utilizing the tools of scientific inquiry, problem solving, and data analysis to evaluate and optimize designs. Units on safety and tools, computer use, design, automation, robotics, space, flight, and electricity will be studied. Students will enhance their critical and innovative thinking skills through design challenges as they survey the diverse and exciting career pathway of engineering. **Guided Enrollment Note: This course is offered only at Olathe Northwest High School as part of the Engineering Academy.**

### Introduction to Technology Education

IT 405P

Grade Level: 9, 10  
One Semester - 0.5 credit

This introductory level, technology-based class will introduce students to Engineering Design, Architectural Design and Production/Manufacturing Technology. Students will learn fundamentals of manufacturing and construction technology, create computer-aided drawings, production of prototypes, as well as research historical and future technology issues.

### Investigations in Green Tech-Energy

GT 300P

Grade Level: 9  
One Semester - 0.5 credit

21

This course is designed to provide students with a basic understanding of environmental issues and sustainable practices. Two aspects of green technology will be stressed: energy and sustainability. Hands-on projects will generate interest in and passion for environmental issues. Protecting the environment and alternative energy generation are an important part of the students' experience. Careers in green technology and the requirements to obtain various positions will also be discussed. **Guided Enrollment Note: This course is offered only at Olathe West High School as part of the Green Tech Academy.**

### Materials Science in Engineering

SC 662P

Grade Level: 11, 12  
One Semester - 0.5 credit

21

Students in this course will be exposed to the tools, machines, and processes that may be encountered in the interface between manufacturing and engineering while integrating concepts from chemistry, physics, and math to understand how the atomic structure of matter determines the physical characteristics that make materials useful to designers. In particular, this course stresses the study of properties and analysis of those materials: testing and processing metals, polymers, ceramics, and composite materials utilized in the process of constructing usable products. The course combines hands-on design projects while learning the science behind the essential properties of metals, polymers, ceramics, and composites. Students will gain an understanding of the importance of materials science topics in all fields of engineering while also enhancing their engineering design skills. **Guided Enrollment Note: This course is offered only at Olathe Northwest High School as part of the Engineering Academy.**

### Mobile HVAC

VE 622P

Grade Level: 11, 12  
One Semester - 0.5 credit  
Prerequisite: Auto Technology I courses



Mobile HVAC is a Technical level course and part of a series of courses taken concurrently which make up Auto Technology II. This course is designed to provide students with the basic and advanced theory of operation, service and repair of the air conditioning, heating, and vehicle cooling system as it relates to the mobile climate control system. This comprehensive course is NATEF approved. Students will be involved in leadership and employability skills through SkillsUSA including local, state and national competitions. **Guided Enrollment Note: This course is offered at Olathe Advanced Technical Center (OATC) as part of the Auto Technology program.**

### Plumbing Technology

VE 443P

Grade Level: 11, 12  
One Semester - 1.0 credit



This course is designed to provide students with exposure to and training in the theories, equipment and skills needed to install and maintain plumbing systems. **Guided Enrollment Notes: This course is offered at Olathe Advanced Technical Center (OATC) as part of the Construction Trades program.**

### Principles of Applied Engineering

IT 416 AP/BP

Grade Level: 11  
Two Semesters - 1.0 credit

21

This technical level course is designed to expand student knowledge in the area of applied engineering emphasizing 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. **Guided Enrollment Note: This course is offered only at Olathe Northwest High School as part of the Engineering Academy.**

### Product Design I

IT 551 AP/BP

Grade Level: 10, 11  
Two Semesters - 1.0 credit

21

Prerequisite: Introduction to Design - Product AND Architecture

This is a project-based class focusing on the Product/Industrial Design process and will take students through a full product design process from concept development to manufacturing. Students undertake an in-depth study in the skills of designing, problem-solving, and CAD with emphasis on product development and manufacturing methods. Students will develop a prototype and renderings for presentation. All students prepare a professional presentation and portfolio demonstrating work. **Guided Enrollment Note: This course is offered only at Olathe East High School as part of the Design Academy.**

### Product Design II

IT 552 AP/BP

Grade Level: 11, 12  
Two Semesters - 1.0 credit

21

Prerequisite: Product Design I

In this technical level class students will gain experience in solving problems by applying a design development process. Using computer design software, students develop, analyze, and test product solutions models as well as communicate the features of those models developing prototyping skills needed for any design project. **Guided Enrollment Note: This course is offered only at Olathe East High School as part of the Design Academy.**

### Production Methods I

VE 466P

Grade Level: 12  
Two Semesters - 1.0 credit



A comprehensive, technical level course designed to instruct students in the knowledge and skills common to manufacturing occupations using a variety of materials with an emphasis on metals. **Guided Enrollment Note: This course is offered at Olathe Advanced Technical Center (OATC).**

### Production Print Reading II

VE 451P

Grade Level: 12  
One Semester - 0.5 credit



This course is designed to develop advanced skills and knowledge needed to interpret drawings related to manufacturing and maintenance occupations. **Guided Enrollment Note: This course is offered at Olathe Advanced Technical Center (OATC).**

### Remodel & Building Maintenance

VE 441P

Grade Level: 12  
One Semester - 0.5 credit



This application level course is designed to instruct students in the skills required for residential remodeling and maintenance. Students will examine the organization, intent and use of building codes in general and International Building Code. Students will cover the reasons codes exist and how they form an integral part of the design criteria for every building project. Additional topics may include building types, fire protection, accessibility, roofs, foundations, and interiors/exteriors. **Guided enrollment note: This course is offered at Olathe Advanced Technical Center (OATC) as part of the Construction Trades program.**

### Research & Design for Architecture I

IT 560AP

Grade Level: 11-12  
One Semester - 0.5 credit  
Prerequisite: 1.0 credit from following courses:  
Introduction to Technology Education; Introduction to Design - Architecture; Introduction to Design - Product; Engineering Drafting/CAD I/II; or Production Technology I/II.

Students enrolled in this course will use advanced design/communication principles to create real-world projects or simulations. Projects will include professional client communication, covering specific topics in design and pre-construction to include management and "green design" skills. Students will work collaboratively focusing on the design process and team efficiencies. Teaming models such as Six Sigma will be applied to develop highly efficient production techniques. Skills learned in this class will help them to become highly competent design professionals.

### Research & Design for Architecture II

IT 560 BP

Grade Level: 11-12  
One Semester - 0.5 credit  
Prerequisite: Research & Design for Architecture I

Students in this advanced class will work with a client to develop a client driven product. They will produce a presentation and construction drawings as well as a working prototype (graphic or physical) using advanced software and/or equipment. Researching new technologies to meet future client needs will take place, covering specific topics in design and construction to include management and "green design" skills. Students will develop abilities in design/planning and visual communication in current architectural practices. Students will manipulate materials and design/manufacturing and construction processes to meet client needs with set project goals and timelines.

# ENGINEERING & TRADES

## COURSE DESCRIPTIONS

### Research & Design in Building Trades

VE 450P

Grade Level: 12  
Two Semesters - 1.0 credit



This advanced research and application course covers specific topics in building construction and “green building” design. The student will learn phases of a project, bidding requirements, contractual relationships between parties, how to categorize drawings, write specifications, list warranties and explain contract modifications. **Guided enrollment note: This course is offered at Olathe Advanced Technical Center (OATC) as part of the Construction Trades program.**

### Steering & Suspension I

VE 601P

Grade Level: 11, 12  
One Semester - 0.5 credit



Steering & Suspension is a Technical level course and part of a series of courses taken concurrently which make up Auto Technology I. The course is designed to provide students with the basic theories, equipment, and skills needed to inspect and service steering and suspension systems. This comprehensive course is NATEF approved. Students will be involved in leadership and employability skills through SkillsUSA including local, state and national competitions. **Guided Enrollment Note: This course is offered at Olathe Advanced Technical Center (OATC) as part of the Auto Technology program.**

### Steering & Suspension II

VE 602P

Grade Level: 11, 12  
One Semester - 0.5 credit



Advanced Steering & Suspension is an application level course and part of a series of courses taken concurrently which make up Auto Technology I. The course is designed to provide students with the advanced skills needed to inspect, service and repair steering and suspension systems. This comprehensive course is NATEF approved. Students will be involved in leadership and employability skills through SkillsUSA including local, state and national competitions. **Guided Enrollment Note: This course is offered at Olathe Advanced Technical Center (OATC) as part of the Auto Technology program.**

### Welding Processes I

VE 463P

Grade Level: 11, 12  
Two Semesters - 1.0 credit



This course is designed to instruct students in basic welding. Students will be exposed to the various welding processes and techniques. Tools, equipment, and safety related to metal fabrication will be discussed and used by the student in this hands-on course. **Guided Enrollment Note: This course is offered at Olathe Advanced Technical Center (OATC).**

### Welding Processes II

VE 470P

Grade Level: 11, 12  
One Semester - 1.0 credit



This advanced, application-level courses builds on skills learned in Welding Processes I and provides opportunities for applying welding skills. **Guided Enrollment Note: This course is offered at Olathe Advanced Technical Center (OATC).**

### Woodworking & Design I

IT 600P

Grade Level: 9, 10, 11, 12  
One Semester - 0.5 credit

This technical level course is designed to instruct students in woodworking and various materials common to construction and manufacturing, architecture and engineering industries. **Guided Enrollment Note: Material cost for individual projects. Fee Scholarships are available.**

### Woodworking & Design II

IT 605P

Grade Level: 9, 10, 11, 12  
One Semester - 0.5 credit

This technical level course is the 2nd of a series designed to instruct students in woodworking and various materials common to construction and manufacturing, architecture and engineering industries. Students will advance their learning in the production design process. **Guided Enrollment Note: Material cost for individual projects. Fee Scholarships are available.**

### Work Experience in Transportation I & II

VE 623P

VE 630P

Grade Level: 12  
One Semester - 1.5 credit



This advanced research and application course covers specific topics in transportation and will include opportunities for Work-Based Learning (WBL) such as in-house training, job shadowing, and/or internships. **Guided Enrollment Note: This course is offered at Olathe Advanced Technical Center (OATC) as part of the Auto Technology program.**

### Work Experience in Welding I & II

VE 675P



VE 472P

Grade Level: 12  
One Semester - 1.5 credit



This course incorporates experienced-based learning including IHT or Internships supported by classroom attendance and discussion, within their area of interest/study. **Guided Enrollment Note: This course is offered at Olathe Advanced Technical Center (OATC).**

# ENGLISH LANGUAGE ARTS

Course No.	Course Title	9th Grade	10th Grade	11th Grade	12th Grade	Credit	Pathway Level	21st Century Academy only	OATC Program	College Now	NCAA Approved	Communications	English Language	Fine Arts - Visual & Performing	Language Applications	Life Studies	Math	PE & Health Education	Science - Life	Science - Physical	Social Studies	STEM	Individual Focus
LA 910	English Language Learners 1	•	•	•	•	0.5 -1.0						✓											✓
LA 911	English Language Learners 2	•	•	•	•	0.5 -1.0						✓											✓
LA 912	English Language Learners 3	•	•	•	•	0.5 -1.0						✓											✓
LA 310 A/B	English 9	•				1.0					✓	✓											✓
LA 315 A/B	Honors English 9	•				1.0					✓	✓											✓
WW 352	Reading 9	•				1.0								✓									✓
LA 412 A/B	English 10		•			1.0					✓	✓											✓
LA 415 A/B	Honors English 10		•			1.0					✓	✓											✓
WW 353	Reading 10		•			1.0								✓									✓
LA 425 A/B	AP English Language & Composition			•		1.0					✓	✓											✓
LA 422 A/B	English 11:Career Prep 			•		1.0					✓	✓											✓
LA 420 A/B	English 11:College Prep			•		1.0					✓	✓											✓
WW 354	Reading 11			•		1.0								✓									✓
LA 530	Advanced Creative Writing			•	•	0.5					✓			✓									✓
LA 520	Creative Writing			•	•	0.5					✓			✓									✓
LA 540	Creative Writing: Literary Magazine			•	•	0.5					✓			✓									✓
LA 445 A/B	AP English Literature & Composition				•	1.0			✓	✓		✓											✓
LA 430 A/B	English 12:Career Prep				•	1.0					✓	✓											✓
LA 440 A/B	English 12: College Prep 				•	1.0					✓	✓											✓
WW 355	Reading 12				•	1.0								✓									✓
<b>Distinguished Scholars Academy - Language Arts (Olathe North only)</b>																							
WW 240 A/B	DS Cross-Cultural Expeditions	•				1.0		21						✓									✓
WW 253 A/B	DS Symposium ELA (10)		•			1.0		21						✓									✓
WW 254 A/B	DS Symposium ELA (11)			•		1.0		21						✓									✓
WW 255 A/B	DS Senior Capstone (ELA)				•	1.0		21				✓		✓									✓

## Advanced Creative Writing

LA 530



Grade Level: 11, 12

One Semester - 0.5 credit

Prerequisite: Creative Writing or Honors English 10

This is a class for the advanced student who is committed and serious about writing. Students will learn about publishing and will be encouraged to submit to school-related publications. Writings might include a one-act play, a humorous monologue, or a children's book. **Guided Enrollment Note: A student application including portfolio works should be completed prior to spring enrollment.**

## AP English Language and Composition

LA 425 A/B



Grade Level: 11

Two Semesters - 1.0 credit

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. Content requires students to think, read, and write critically and creatively at an advanced level. Students will be trained to become skilled readers of prose. This course is open to all students who desire a literary/linguistic challenge. **Guided Enrollment Note: Students must complete a summer reading and writing assignment for this class.**

# ENGLISH LANGUAGE ARTS

## COURSE DESCRIPTIONS

### AP English Literature and Composition

LA 445A/B

Grade Level: 12  
Two Semesters - 1.0 credit



Instruction focuses on the teaching of the advanced composition skills through the analysis and synthesis of classic and contemporary 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 and also places emphasis on the skills needed for the college bound student. This course is open to all students who desire a literary/linguistic challenge. **Guided Enrollment Note: Students must complete a summer reading and writing assignment for this class.**

### Creative Writing

LA 520

Grade Level: 11, 12  
One Semester - 0.5 credit



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 the basic mechanics of writing and literary styles, the class is reserved for students who are serious about writing.

### Creative Writing: Literary Magazine

LA 540

Grade Level: 11, 12  
One Semester - 0.5 credit

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.**

### DS Cross Cultural Expeditions

WW 240 A/B

Grade Level: 9  
Two Semesters - 1.0 credit



Students will use Expeditionary Learning strategies and participate in Expeditionary Learning investigations that integrate the five curricular Distinguished Scholars areas. Students will build relationships with each other and become familiar with the Distinguished Scholars content areas. By course end, students who have met the required criteria will be eligible to choose a content area to enter for the next year. **Guided Enrollment Note: This course is offered only at Olathe North High School as part of the Distinguished Scholars Academy.**

### DS Senior Capstone (Language Arts)

WW 255 A/B

Grade Level: 12  
Two Semesters - 1.0 credit



This course is a culmination of the 4-year academy plan of study and involves a student Professional Learning Experience. This class provides a culmination activity that synthesizes a student's academy learning and helps students further define their post-secondary plans. **Guided Enrollment Note: This course is offered only at Olathe North High School as part of the Distinguished Scholar Academy.**

### DS Symposium

ELA 10

WW 253 A/B

ELA 11

WW 254 A/B

Grade Level: 10, 11  
Two Semesters - 1.0 credit



This course is research-based 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. **Guided Enrollment Note: This course is offered only at Olathe North High School as part of the Distinguished Scholars Academy.**

### English 9

LA 310 A/B

Grade Level: 9  
Two Semesters - 1.0 credit



In this course, students will closely examine various genres of literature and informational text, including writing, grammar, and a variety of communication skills. 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.

### English 10

LA 412 A/B

Grade Level: 10  
Two Semesters - 1.0 credit



This course continues to build upon and develop literacy skills using a variety of literature and informational texts through multiple genres. Students will write and present in various modes, with a focus on supporting claims with textual evidence. Students will expand their use and knowledge of research techniques and the use of outside sources.

### English 11: Career Prep

LA 422 A/B

Grade Level: 11  
Two Semesters - 1.0 credit



This course introduces and develops critical literacy skills needed for success in the postsecondary workforce. Students will primarily focus on informational and technical reading, writing, and presentation skills. However, students will also engage with a variety of genres. The curriculum equips students with the skills, knowledge, and understanding necessary for any career path or English 12 course.

### English 11: College Prep

LA 420 A/B

Grade Level: 11  
Two Semesters - 1.0 credit



This course introduces and develops critical literacy skills for the college-bound student. Students will write and present in a variety of modes, with specific focus on supporting claims with textual evidence. The curriculum includes rigorous informational and literary texts in a variety of genres to prepare students for reading and writing expectations in multidisciplinary college courses.



### English Language Learners 1 LA 910

Grade Level: 9, 10, 11, 12  
One or Two Semesters - 0.5 - 1.0 credit

In this course students that are English Speakers of Other Languages [ESOL] at the early proficiency stages of becoming emerging bilinguals, will receive culturally relevant, direct English instruction through the language skills of listening, speaking, reading, and writing as they tie to ESOL and ELA state standards. These skills will be developed through practice, vocabulary development, and targeted English language structures. This course replaces a student's ELA course as it seeks to promote English language development for students at early stages of English proficiency.

### English Language Learners 2 LA 911

Grade Level: 9, 10, 11, 12  
One or Two Semesters - 0.5 - 1.0 credit

In this course students that are English Speakers of Other Languages [ESOL] at the intermediate proficiency stages of becoming emerging bilinguals, will receive culturally relevant, direct English instruction through the language skills of listening, speaking, reading, and writing as they tie to ESOL state standards. These skills will be developed through practice, vocabulary development, and targeted English language structures. This course replaces a student's ELA course as it seeks to promote English language development for students at early stages of English proficiency.

### English Language Learners 3 LA 912

Grade Level: 9, 10, 11, 12  
One or Two Semesters - 0.5 - 1.0 credit

In this course students that are English Speakers of Other Languages [ESOL] receive direct support in English with focus on improving the four language skills of reading, writing, listening, and speaking.

### English 12: Career Prep LA 430 A/B

Grade Level: 12   
Two Semesters - 1.0 credit


This course builds and reinforces critical literacy skills needed for success in the postsecondary workforce. Students will primarily focus on expository and technical reading, writing, and presentation skills; however, students will engage with a variety of genres and multimodal texts. The curriculum equips students with the skills, knowledge, and understanding necessary for any career path, providing global perspective on the world and readiness for life after high school.

### English 12: College Prep LA 440A/B

Grade Level: 12   
Two Semesters - 1.0 credit

This course builds and reinforces critical literacy skills for the college-bound student. Students will write and present in a variety of modes, with specific focus on supporting claims with textual evidence. The curriculum includes rigorous informational and literary texts in a variety of genres to prepare students for reading and writing expectations in multidisciplinary college courses.

### Honors English 9 LA 315 A/B

Grade Level: 9   
Two Semesters - 1.0 credit

This course introduces and develops literary/linguistic challenges. These challenges include thinking analytically, synthesizing, experiencing various genres, and an increased demand for writing. Students will produce writing for a variety of purposes and audiences, all of which will be grounded in claims and supported with evidence from the text. Students enrolled in this course will develop advanced reading and writing skills. **Guided Enrollment Note: This course is open to all students. Students must complete a summer reading and writing assignment for this class.**

### Honors English 10 LA 415 A/B

Grade Level: 10   
Two Semesters - 1.0 credit

This course builds upon and reinforces literary/linguistic challenges. These challenges include thinking analytically, synthesizing, experiencing various genres, informational text 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. Students enrolled will be expected to apply advanced reading and writing skills. **Guided Enrollment Note: This course is open to all students. Students must complete a summer reading and writing assignment for this class.**

Reading 9	WW 352
Reading 10	WW 353
Reading 11	WW 354
Reading 12	WW 355

Grade Level: 9, 10, 11, 12  
Two Semesters - 1.0 credits

This course is designed to improve basic reading skills including foundational skills, fluency, vocabulary, and comprehension. **Enrollment Note: Students are placed into this class based on district criteria.**



# FAMILY AND CONSUMER SCIENCES

Course No.	Course Title	9th Grade	10th Grade	11th Grade	12th Grade	Credit	Pathway Level	21st Century Academy only	OATC Program	College Now	NCAA Approved	Communications	English Language	Fine Arts - Visual & Performing	Language Applications	Life Studies	Math	PE & Health Education	Science - Life	Science - Physical	Social Studies	STEM	Individual Focus	
<b>Culinary Arts (Olathe Advanced Technical Center / OATC only)</b>																								
VE 356P	Baking & Pastry I - Year 1			•	•	0.5	T		◆														✓	✓
VE 340P	Culinary Arts I - Year 1			•	•	1.0	T		◆														✓	✓
VE 345P	Culinary Arts II - Year 1			•	•	0.5	T		◆														✓	✓
VE 374 AP/BP	Culinary Work Experience I - Year 1			•	•	1.0	A		◆														✓	✓
VE 357P	Baking & Pastry II - Year 2				•	0.5	T		◆														✓	✓
VE 350	Culinary Arts III - Year 2				•	0.5			◆														✓	✓
VE 355P	Culinary Food Science - Year 2				•	0.5	T		◆														✓	✓
VE 375 A/B	Culinary Work Experience II - Year 2				•	1.0			◆														✓	✓
VE 372P	Event Planning & Management - Year 2				•	0.5	T		◆														✓	✓

To be considered a CTE Completer, a student must complete a minimum of 3.0 credits within a pathway; at least 2 of those credits must be a combination of technical and application level courses plus earning an industry-recognized certification or passing a third-party, end-of-Pathway assessment.

## Apparel Production I HE 858P

Grade Level: 9, 10, 11, 12  
 One Semester - 0.5 credit

Apparel Production I will provide students with the knowledge and skills to construct, alter, and repair clothing and textile products. Course topics typically include taking measurements, learning foundational sewing terms and applying sewing techniques to all projects.


## Apparel Production II HE 859P

Grade Level: 10, 11, 12  
 One Semester - 0.5 credit  
 Prerequisite: Apparel Production I

Apparel Production II will expand upon the various aspects of garment construction and the textile industry, conveying the commercial application of design principles, production processes, and maintenance techniques. **Guided Enrollment Note: This course can be repeated with instructor permission.**

## Baking & Pastry I VE 356P


Grade Level: 11, 12  
 One Semester - 0.5 credit



This course will prepare students for careers or post-secondary programs related to the baking and pastry culinary business and industry. Based on industry standards, using commercial-grade equipment, students will develop skills in basic bread and pastry techniques applying food science principles. **Guided Enrollment Note: This course is offered at Olathe Advanced Technical Center (OATC) as part of the Culinary Arts program.**

## Baking & Pastry II VE 357P

Grade Level: 12  
 One Semester - 0.5 credit



This course is a continuation of Baking and Pastry I and offers students an advanced look into baking and pastry production (i.e. breads, cakes, tortes, pastry, and pies), with a continued emphasis on culinary math, safety and sanitation, and career readiness. **Guided Enrollment Note: This course is offered at Olathe Advanced Technical Center (OATC) as part of the Culinary Arts program.**

## Baking Food Science HE 575P

Grade Level: 9, 10, 11, 12  
 One Semester - 0.5 credit

This course is designed to provide students with the basic skills and knowledge that enhance scientific principles and how those apply to the functions of ingredients in baking. Students will conduct various experiments and food labs to explore the content learned in class. **Guided Enrollment Note: This course is highly recommended as a pre-requisite for the Culinary Arts program at Olathe Advanced Technical Center (OATC).**

## Career Connections HE 476P

Grade Level: 12  
 One Semester - 0.5 credit  
 Prerequisite: 1.0 credit within one of the following pathways: Family & Community Services; Fashion & Interior Design (FAID); or Restaurant & Event Management.

Career Connections provides human services/family and consumer sciences related work-based learning experiences (paid or unpaid) outside the traditional classroom. Learning goals are set by the student, teacher and employer/adult mentor to create field experiences and/or discussions related to human services/ family and consumer sciences occupational technical skills. **Guided Enrollment Note: Enrollment requires approval by FCS instructor.**

# FAMILY AND CONSUMER SCIENCES

## COURSE DESCRIPTIONS

### Community Connections

HE 475P

Grade Level: 11, 12  
One Semester - 0.5 credit  
Prerequisite: 1.0 credit concurrent or completed within Family & Community Services pathway

Community Connections provides community based/school-based learning experiences typically within the family and consumer sciences classroom. Learning goals are set by the student, teacher and community partners to create experiences and/or discussions to enhance the development of the workplace skills (e.g. leadership, empathy, communication, problem solving, cooperation, critical thinking, and resource management) needed to be successful in service related careers.

### Culinary Arts I

VE 340P

Grade Level: 11, 12  
Two Semesters - 1.0 credit



This course integrates the knowledge, skills and practices required for careers in the restaurant industry. Topics include safety and sanitation, menu management, use of commercial tools and equipment, food production, culinary math, restaurant management principles, and career readiness practice. **Guided Enrollment Note: This course is offered at Olathe Advanced Technical Center (OATC) as part of the Culinary Arts program.**

### Culinary Arts II

VE 345P

Grade Level: 11, 12  
One Semesters - 0.5 credit



This course builds upon Culinary Arts I course by expanding student knowledge, skills and practices. Students will expand on more advanced culinary skill development and add topics such as food service management. **Guided Enrollment Note: This course is offered at Olathe Advanced Technical Center (OATC) as part of the Culinary Arts program.**

### Culinary Arts III

VE 350

Grade Level: 12  
One Semesters - 0.5 credit



This course builds upon Culinary Arts II course by expanding student knowledge, skills and practices. Students will expand on more advanced culinary skill development and add topics such as food service management. **Guided Enrollment Note: This course is offered at Olathe Advanced Technical Center (OATC) as part of the Culinary Arts program.**

### Culinary Essentials

HE 560P

Grade Level: 9, 10, 11, 12  
One Semester - 0.5 credit

This course will prepare students for careers or post-secondary programs related to the Culinary Arts. The course will include knife skills and a variety of cooking techniques. Students will expand their knowledge of flavor profiles. **Guided Enrollment Note: This class is strongly recommended for the Culinary Arts program located at Olathe Advanced Technical Center.**

### Culinary Food Science

VE 355P

Grade Level: 12  
One Semester - 0.5 credit  
Prerequisite: Culinary Arts II



Culinary Food Science is a lab-based food course that enhances a student's understanding of science as it applies to foods. This course will assist students in understanding the importance of the food industry and food preparation in their daily lives. **Guided Enrollment Note: This course is offered at Olathe Advanced Technical Center (OATC) as part of the Culinary Arts program.**

### Culinary Work Experience I

VE 374 AP/BP

Grade Level: 11, 12  
Two Semesters - 1.0 credit



This course applies the skills needed in the culinary arts profession. It includes the application of skills within a school-based, community-based experience or work-based internship. Students enrolled in this course are expected to learn and practice skills in the culinary field so that they are able to apply them in work-based experiences following industry standards and regulations. **Guided Enrollment Note: This course is offered at Olathe Advanced Technical Center (OATC) as part of the Culinary Arts program.**

### Culinary Work Experience II

VE 375 A/B

Grade Level: 12  
Two Semesters - 1.0 credit



This course applies the skills needed in the culinary arts profession. It includes the application of skills within a school-based, community-based experience or work-based internship. Students enrolled in this course are expected to learn and practice skills in the culinary field so that they are able to apply them in work-based experiences following industry standards and regulations. **Guided Enrollment Note: This course is offered at Olathe Advanced Technical Center (OATC) as part of the Culinary Arts program.**

### Essentials of Fashion, Apparel, Interior Design (FAID)

HE 835P

Grade Level: 9, 10, 11, 12  
One Semester - 0.5 credit

Essentials of FAID is **HIGHLY RECOMMENDED** as the first course to introduce students to the fashion, apparel, and interior design industries. Concepts covered will include elements and principles of design, textiles, and production processes as well as provide a discussion and exploration of career opportunities. Students will present work through various mediums.

### Event Planning & Management

VE 372P

Grade Level: 12  
One Semester - 0.5 credit  
Prerequisite: Culinary Arts I courses



This course provides students with the knowledge and skills related to the event planning and implementation process. It will include establishing client relationships, the importance of communication, planning process, resource management, quality service and staffing issues. Students will plan school and community-based events, from marketing to food preparation to service. This course is perfect for potential chefs, business owners, wedding planners, party planners, hotel managers, bed & breakfast owners, and more. **Guided Enrollment Note: This course is offered at Olathe Advanced Technical Center (OATC) as part of the Culinary Arts program.**

### FAID Studio HE 866 AP/BP

Grade Level: 12  
 Two Semesters - 1.0 credits  
 Prerequisite: 1 full credit completed within the Fashion & Interior Design Pathway

FAID Studio is for the student who has an interest in the design industry. Students will create a variety of studio projects that involve retail design, commercial design, graphic design, and costume & set design. Internships will offer students extended learning opportunities. Students will work individually and in teams, to solve real-world, design industry problems.

### Family Studies HE 411P

Grade Level: 10, 11, 12  
 One Semester - 0.5 credit

This course explores the roles and responsibilities of parents including parenting styles and family stages, reproduction and prenatal development, and the development of children and parents as their earliest teacher. Parenting and behavior guidance skills are strengthened through a study of positive family relationships, child abuse and neglect, safety, and health practices. Many real-life experiences will be introduced through the use of Real-Care Babies, Empathy Belly simulators, and guest speakers. Occupations related to meeting the needs of families will be analyzed.

### Fashion Trends I HE 846P

Grade Level: 9, 10, 11, 12  
 One Semester - 0.5 credit

Fashion Trends I provide students an opportunity to explore topics in the fashion industry. Content includes history of fashion, trend and color forecasting, garment styles, fashion illustration, client projects, and how trends are developed. Students will learn how to professionally present work including digital portfolios, mood boards, and display presentations.

### Fashion Trends II HE 848P

Grade Level: 10, 11, 12  
 One Semester - 0.5 credit  
 Prerequisite: Fashion Trends I

Fashion Trends II is a course that centers upon the merchandising of fashion products. Topics include exploring fashion trends and cycles, visual merchandising, digital illustration, children's wear, costume design, brand development, and entrepreneurship.

### Future Educators Senior Capstone I WW 680P

### Future Educators Senior Capstone II WW 681P

Grade Level: 12  
 One Semester - 1.0 credit

**21**

Senior Capstone is a culmination of the 4-year academy plan of study and involves a student Work-Based Learning Experience. This class synthesizes a student's academic learning and helps students further define their post-secondary plans. It gives students who are interested in a career working with children the opportunity to study child development and observe how children learn full time at a field site placement. The Teaching Internship experience also provides an opportunity to work with children under the supervision of an established classroom (field site) teacher. **Guided Enrollment Note: This course is offered only at Olathe East High School as part of the Future Educators Academy. Concurrent college credit is available through Baker University.**

### Interior Design I HE 841P

Grade Level: 9, 10, 11, 12  
 One Semester - 0.5 credit

Interior Design I is a course that will focus on the design industry with an emphasis on interior design concepts. Topics will include housing and design styles, accessories, client selections, pattern pallets and drafting floor plans. Projects are integrated throughout the course to provide authentic applications in design basics, color, lighting and furniture arrangement.

### Interior Design II HE 855P

Grade Level: 10, 11, 12  
 One Semester - 0.5 credit  
 Prerequisite: Interior Design I

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 remodeling, designing new interior spaces, working with a client, personal marketing, modern design, and career options. Students will also practice professional presentation skills using industry level technology.

### Introduction to Education WW 632 AP WW 632 B

Grade Level: 9, 10  
 Two Semesters - 1.0 credit

**21**

This course will provide a foundation for understanding the workings of the educational profession. Students will explore the qualities, skills, and behaviors of effective educators, as well as investigate approaches to teaching and strategies for learning. Students will have the opportunity to define who they are and what type of educator they could become. **Guided Enrollment Note: This course is offered only at Olathe East High School as part of the Future Educators Academy.**

### Lifespan Development HE 413P

Grade Level: 9, 10, 11, 12  
 One Semester - 0.5 credit

Life Span Development prepares students for occupations associated with meeting the needs of people by learning about physical, intellectual, emotional and social development from childhood to death. In addition, this course helps students discover how individuals respond to the various stages of the life span with a strong tie to teen years, adulthood and later years.

### Nutrition & Wellness HE 615P

Grade Level: 9, 10, 11, 12  
 One Semester - 0.5 credit

Nutrition & Wellness will prepare students to explore different components of wellness which include physical, social, and emotional health. Students will prepare for careers in nutrition and wellness by taking an in-depth look at various types of diets, nutrition information, disease prevention, and physical activity to identify and apply healthy practices for a lifetime of wellness.

# FAMILY AND CONSUMER SCIENCES

## COURSE DESCRIPTIONS

### Principles of Coaching & Leadership I

WW 642P

Grade Level: 10, 11, 12  
One Semester - 0.5 credit

21

Coaching is an extension of teaching just in a different environment. Students will learn the fundamentals of coaching on the field, in the classroom, and how to motivate students to achieve their best. Coaching psychology, fostering positive relationships, managing/ organizing events, and developing a positive team culture will be explored. Students will develop policies, learn about certification attainment for coaches, explore KSHSAA protocols, review Champions of Character, and work with coaches to learn best practices. **Guided Enrollment Note: This course is offered only at Olathe East High School as part of the Future Educators Academy.**

### Principles of Coaching & Leadership II

WW 643P

Grade Level: 10, 11, 12  
One Semester - 0.5 credit

21

Prerequisite: Principles of Coaching & Leadership I

Principles of Coaching and Leadership II is the application level course of the Coaching and Leadership Strand. Students will dive into the role of coaching through observation, working with coaches during the on/off season, earning certifications, and studying the impact a coach can make on their students. This course may involve a Work-Based Learning Experience. **Guided Enrollment Note: This course is offered only at Olathe East High School as part of the Future Educators Academy.**

### Relationships & Personal Development

HE 430P

Grade Level: 11, 12  
One Semester - 0.5 credit

Relationships and Personal Awareness provides students with ability to develop intrapersonal, interpersonal and cognitive competencies in personal, family, career and community settings. Students will analyze the impact of conditions that could influence the well-being of individuals, families and communities. Human services related career opportunities are incorporated throughout the course.

### Teaching as a Career

WW 645 AP/  
BP

Grade Level: 10  
Two Semesters - 1.0 credit

21

A foundation of understanding will be fostered in the area of educational practices. Students will gain experience and knowledge in the areas of instructional planning and design, classroom management, technology integration, classroom ethics, and working with diverse populations. Students will be challenged to navigate the field of education through collaboration, course simulations, off-campus activities, and engaging interactive experiences. **Guided Enrollment Note: This course is offered only at Olathe East High School as part of the Future Educators Academy.**

### Teaching Observation

WW 655P

Grade Level: 11, 12  
One Semester - 0.5 credit

21

In this course, students will increase their understanding of the requirements of the teaching profession through observations and study of best practices in multiple settings. Observation analysis will be focused around the elements of effective instruction - planning and preparation, the learning environment, instructional strategies, and teacher/trainer professional responsibilities. Students will participate in continued collaboration, course simulations, off-campus activities, and engaging interactive experiences. **Guided Enrollment Note: This course is offered only at Olathe East High School as part of the Future Educators Academy.**

### Technology for Teachers

WW 654P

Grade Level: 11  
One Semester - 0.5 credit

21

Prerequisite: Teaching as a Career

Students will increase their understanding of student needs and the impact of cultural awareness on education as well as continue to cultivate their identity as an educator. Students will focus on gaining skills and knowledge regards to integrating technology into teaching. This course provides instruction and practice for students who can train teachers, peers, and community individuals in the effective integration of technology. Training on various technology tools, professional demeanor, student engagement through technology apps, interactive experience, simulations, and troubleshooting is part of this course. **Guided Enrollment Note: This course is offered only at Olathe East High School as part of the Future Educators Academy. Concurrent college credit is available through Baker University.**



# FINE ARTS - PERFORMING

## COURSE DESCRIPTIONS

### Acting I

PA 630

Grade Level: 9, 10, 11, 12  
One Semester - 0.5 credit

Here is the chance to build the skills it takes to perform on stage. This class gives students 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

Grade Level: 9, 10, 11, 12  
One Semester - 0.5 credit

Prerequisite: Acting I or teacher recommendation

This class increases acting training and expands students' knowledge of the theatrical world. This course takes students 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.**

### Advanced Treble Choir

PA 430 A/B

### Advanced Tenor-Bass Choir

PA 431 A/B

### Advanced Mixed Choir

PA 432 A/B

### Advanced Chamber Choir

PA 433 A/B

Grade Level: 10, 11, 12  
Two Semesters - 1.0 credit

These ensembles are designed for students who demonstrate excellence in musicianship and choral singing. Emphasis is on advancing healthy vocal technique, ear training and musical literacy skills. **Guided Enrollment Note: Audition required. Performances, including those on evenings and weekends, are required/graded activities. Students enrolled in these courses will have additional performances.**

### Advanced Debate

PA 750

Grade Level: 10, 11, 12  
One Semester - 0.5 credit



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. **Guided Enrollment Note: The student will be required to participate in interscholastic tournaments, most of which occur on Friday evenings and Saturdays, (all day) and to help host the invitational tournament. Students must also meet all KSHSAA eligibility guidelines for participation.**

### Advanced Orchestra

PA 590 A/B

Grade Level: 10, 11, 12  
Two Semesters - 1.0 credit

Prerequisite: Competitive audition and school orchestra experience

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.**

### Advanced Repertory Theatre

PA 652 A/B

Grade Level: 12  
Two Semesters - 1.0 credit

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.**

### AP Music Theory

PA 450 (.5)

PA 450 A/B

Grade Level: 10, 11, 12  
One-Two Semesters- 0.5-1.0 credit

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.

### Argumentation & Debate

PA 740

Grade Level: 9, 10, 11, 12  
One Semester - 0.5 credit



Argumentation and Debate is an alternative to Novice and Advanced Debate and does not require co-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.

### Concert Band

PA 500 A/B

Grade Level: 9, 10, 11, 12  
Two Semesters - 1.0 credit

Prerequisite: Prior school band experience

There is no audition required to participate in this course. Students are required to be enrolled in two semesters of this band course. Students may participate in some activities related to marching band on a limited basis during the year. **Guided Enrollment Note: This course is open to students in grades 10, 11, and 12 with teacher permission. Throughout the year, attendance is required at performances and rehearsals, which may be scheduled before/after school, in the evening or on weekends. A uniform purchase may be required, but financial assistance will be provided to those who qualify.**

### Concert Treble Choir

PA 410 A/B

### Concert Tenor-Bass Choir

PA 411 A/B

### Concert Mixed Choir

PA 412 A/B

Grade Level: 9, 10, 11, 12  
Two Semesters - 1.0 credit

This class is designed to develop the singing voice, ear training & music literacy skills, and facilitate individual growth. These ensembles will focus on building healthy vocal technique and production. **Guided Enrollment Note: No audition required. Performances, including those on evenings and weekends, are required/graded activities.**



### Concert Orchestra PA 580 A/B

Grade Level: 10, 11, 12  
 Two Semesters - 1.0 credit  
 Prerequisite: Freshman Orchestra or permission of instructor

Students explore a variety of music with emphasis on strengthening technical and performance skills. There is no audition required to participate in this orchestra. **Guided Enrollment Note: Performances and rehearsals for orchestra, including those on Saturdays and school nights, are graded activities.**

### Dance Team PA 552 A/B

Grade Level: 10 11, 12  
 Two Semesters - 1.0 credit

This is a select group of performers and part of the marching band during football season. This course is aimed at developing performance skills through character, coordination, rhythm, and showmanship. Admittance is through a competitive audition held in the spring in which the student will learn basic marching, dance, and equipment moves. **Guided Enrollment Note: Performances are after school, evenings, and weekends, and are graded activities.**

### Fine & Performing Arts Senior Independent Study PA 900

Grade Level: 12  
 One Semester - 0.5-1.0 credit  
 Prerequisite: Teacher recommendation

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.**

### Freshman Orchestra PA 570 A/B

Grade Level: 9  
 Two Semesters - 1.0 credit  
 Prerequisite: 8th Grade Orchestra or permission of instructor


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.**

### History of Film PA 800

Grade Level: 10 11, 12  
 One Semester - 0.5 credit

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.

### Honors Advanced Debate PA 760

Grade Level: 11, 12   
 One Semester - 0.5 credit  
 Prerequisite: 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. **Guided Enrollment Note: The student will be required to participate in interscholastic tournaments, most of which occur on Friday evenings and Saturdays, (all day) and to help host the invitational tournament. Students must also meet all KSHSAA eligibility guidelines for participation.**

### Intermediate Treble Choir PA 420 A/B Intermediate Tenor-Bass Choir PA 421 A/B Intermediate Mixed Choir PA 422 A/B

Grade Level: 9, 10, 11, 12  
 Two Semesters - 1.0 credits

This class will build upon and continue developing the singing voice, ear training & music literacy skills, and facilitate individual growth. These ensembles will focus on building healthy vocal technique and production. **Guided Enrollment Note: Audition required. Performances, including those on evenings and weekends, are required/graded activities.**

### Forensics: Interscholastic Speech & Drama PA 720

Grade Level: 9, 10 11, 12  
 One Semester - 0.5 credit

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.**

### Jazz Band PA 530

Grade Level: 9, 10 11, 12  
 One Semester - 0.5 credit  
 Prerequisite: Concurrent enrollment in Concert Band, Marching/Symphonic Band, Marching Band/Wind Ensemble, Freshman Orchestra, Concert Orchestra, or Advanced Orchestra

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.**

# FINE ARTS - PERFORMING

## COURSE DESCRIPTIONS

### Marching Band

PA 510

Grade Level: 10 11, 12  
One Semester - 0.5 credit

This first semester 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 related activities for approximately the first nine weeks and then will shift to concert related activities. Students must also be enrolled in either PA515 Symphonic Band or PA520 Wind Ensemble for second semester. **Guided Enrollment Note: All students must attend required rehearsals prior to the start of the school year and class rehearsals that start before the regular school day during marching season. Performances and rehearsals, including those on Saturdays and school nights, are required graded activities.**

### Novice Debate

PA 730

Grade Level: 9, 10 11, 12  
One Semester - 0.5 credit



This 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, most of which occur on Friday evenings and Saturdays, (all day) and to help host the invitational tournament. Students must also meet all KSHSAA eligibility guidelines for participation.**

### Repertory Theatre

PA 650 A/B

Grade Level: 11, 12  
Two Semesters - 1.0 credit  
Prerequisite: Acting II or Technical Theatre II or Theatre Production 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.**

### Symphonic Band

PA 515

Grade Level: 10 11, 12  
One Semester - 0.5 credit

This course is primarily open to students who play a wind or percussion instrument. Ninth grade students may audition for placement in this ensemble. Students must also be enrolled in PA510 Marching Band for first semester. **Guided Enrollment Note: Performances and some rehearsals, including those on Saturdays and school nights, are required graded activities.**

### Technical Theatre I

PA 610

Grade Level: 9, 10, 11, 12  
One Semester - 0.5 credit

This is for students with previous technical theatre experience. This course emphasizes construction techniques used in theatre production. Other technical aspects such as costuming, 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

Grade Level: 9, 10, 11, 12  
One Semester - 0.5 credit  
Prerequisite: Technical Theatre I or teacher recommendation

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.**

### Theatre Production I

PA 600

Grade Level: 9, 10, 11, 12  
One Semester - 0.5 credit

This hands-on course is perfect for both new and seasoned theatre students who are interested in theatre at the high school level. Students will build life long skills in team building, critical thinking, time management and others by exploring the theatre production process from page to stage. This class, which focuses on backstage elements, can meet the .5 Technology Graduation Credit or a .5 Fine Arts Graduation Credit. **Guided Enrollment Note: Some out of class time may be required including attendance at out of school performances or productions.**

### Theatre Production II

PA 605

Grade Level: 9, 10 11, 12  
One Semester - 0.5 credit  
Prerequisite: Theatre Production I or teacher recommendation

This class continues where Theatre Production I left off. Building on the life skills learned in Theatre Production 1, this class, will produce memorized performances throughout the semester. Students will explore the theatre production process from page to stage. This class, which focuses on performance elements, can meet a .5 Fine Arts Graduation Credit or a .5 Applied Communication Graduation Credit. **Guided Enrollment Note: Some out of class time may be required including attendance at out of school performances or productions.**

### Wind Ensemble

PA 520

Grade Level: 10 11, 12  
One Semester - 0.5

This audition-based performance group is primarily open to students who play a wind or percussion instrument at an advanced level. Ninth grade students may audition for placement in this ensemble. Students will be exposed to advanced band literature that may require more extensive home practice. Students must also be enrolled in PA510 Marching Band for first semester. **Guided Enrollment Note: Performances and some rehearsals, including those on Saturdays and school nights, are required graded activities.**

Course No.	Course Title	9th Grade	10th Grade	11th Grade	12th Grade	Credit	Pathway Level	21st Century Academy only	OATC Program	College Now	NCAA Approved	Communications	English Language	Fine Arts - Visual & Performing	Language Applications	Life Studies	Math	PE & Health Education	Science - Life	Science - Physical	Social Studies	STEM	Individual Focus
AR 850E	Art History	•	•	•	•	0.5								✓									✓
AR 455	Basic Digital Photography	•	•	•	•	0.5								✓		✓							✓
AR 490	Ceramics	•	•	•	•	0.5								✓									✓
AR 410	Drawing I	•	•	•	•	0.5								✓									✓
AR 420	Drawing II	•	•	•	•	0.5								✓									✓
AR 570	Sculpture	•	•	•	•	0.5								✓									✓
AR 500	Advanced Ceramics		•	•	•	0.5								✓									✓
AR 465	Advanced Digital Photography		•	•	•	0.5								✓		✓							✓
AR 580 A/B	AP Studio Art: 2-D Design		•	•	•	1.0								✓									✓
AR 581A/B	AP Studio Art: 3-D Design		•	•	•	1.0								✓									✓
AR 582 A/B	AP Studio Art: Drawing		•	•	•	1.0								✓									✓
AR 430	Drawing III		•	•	•	0.5								✓									✓
AR 440	Drawing IV		•	•	•	0.5								✓									✓
AR 565	Jewelry/Metals		•	•	•	0.5								✓									✓
AR 530	Painting		•	•	•	0.5								✓									✓
AR 585 A/B	Advanced Studio Art II				•	1.0								✓									✓
PA 900	Fine & Performing Arts Senior Independent Study <i>See Fine Arts - Performing for course description</i>				•	0.5 -1.0								✓									✓
<b>Available at Olathe North only</b>																							
AR 643	Animation	•	•	•	•	0.5								✓	✓	✓							✓
AR 672	3-D Animation Design	•	•	•	•	0.5								✓	✓	✓							✓
AR 647	3-D Modeling for Art and Animation	•	•	•	•	0.5								✓	✓	✓							✓
AR 657	Advanced Digital Advertising & Design	•	•	•	•	0.5								✓	✓	✓							✓
AR 612	Digital Design & Graphics	•	•	•	•	0.5								✓	✓								✓
AR 677	Advanced Animation Studio			•	•	0.5								✓	✓	✓							✓
<b>Distinguished Scholars Academy - Visual Arts (Olathe North only)</b>																							
WW 240 A/B	DS Cross-Cultural Expeditions <i>See English Language Arts for course description</i>	•				1.0		21							✓								✓
WW 265 A/B	DS Symposium Visual Arts (10)		•			1.0		21								✓							✓
AR 450	Basic Darkroom Photography		•	•	•	0.5		21						✓		✓							✓
WW 266 A/B	DS Symposium Visual Arts (11)			•		1.0		21								✓							✓
AR 460	Advanced Darkroom Photography			•	•	0.5		21						✓		✓							✓
WW 267 A/B	DS Senior Capstone (Visual Arts)				•	1.0		21					✓			✓							✓

### 3-D Animation Design

AR 672

Grade Level: 9, 10, 11, 12  
One Semester - 0.5 credit

Use 3-D animation software and other graphics tools to tell your story! Learn character and story development, animation principles, sound and editing skills. Design animations for film, television, and video games. Impress your friends, family, and future boss as your ideas come alive in 3-D. **Guided Enrollment Note: This course is available only at Olathe North.**

### 3-D Modeling for Art and Animation

AR 647

Grade Level: 9, 10, 11, 12  
One Semester - 0.5 credit

Using 3-D modeling software and other digital tools, learn to create fantastic imagery, characters, vehicles, props, and environments. Animation and art only scratch the surface for the many uses of 3-D modeling including architecture, industry, medicine, military, advertising and much more. **Guided Enrollment Note: This course is available only at Olathe North.**

# FINE ARTS - VISUAL

## COURSE DESCRIPTIONS

### Advanced Animation Studio

AR 677

Grade Level: 11, 12  
 One Semester - 0.5 credit  
 Prerequisite: Animation, 3-D Modeling, or 3-D Animation

This course is for students who are serious about a future in animation careers and post-secondary training to take their basic skills to a higher level. Options include independent animation projects, post-secondary exploration, demo-reel development, portfolio preparation, cross-discipline cooperative projects, and more. Students should be self-motivated, have a desire to achieve excellence, and be able to manage independent time-tables and deadlines. Considerable work outside of class will be required. **Guided Enrollment Note: This course is available only at Olathe North.**

### Advanced Ceramics

AR 500

Grade Level: 10, 11, 12  
 One Semester - 0.5 credit  
 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. This course may be repeated with teacher permission.

### Advanced Darkroom Photography

AR 460

Grade Level: 11, 12  
 One Semester - 0.5 credit  
 Prerequisite: Basic Darkroom Photography

21

The course covers advanced techniques in black and white film photography with an emphasis on problem solving and visual communications. Further emphasis is placed on the development of the student's artistic style. Alternative photography techniques will also be explored. **Guided Enrollment Note: This course is offered only at Olathe North High School.**

### Advanced Digital Advertising & Design

AR 657

Grade Level: 9, 10 11, 12  
 One Semester - 0.5 credit  
 Prerequisite: Digital Design & Graphics

In this advanced project based course, students will continue to explore graphic design and advertising from an art standpoint. Students will learn real world skills using current design standard programs such as Photoshop, Illustrator, and other creative software to create logos, posters, ad layouts, & print media, all with a focus on promotion, design and marketing. **Guided Enrollment Note: This course is offered only at Olathe North High School.**

### Advanced Digital Photography

AR 465

Grade Level: 10 11, 12  
 One Semester - 0.5 credit  
 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. **Guided Enrollment Note: Students should expect considerable work outside of the classroom setting.**

### Advanced Studio Art II

AR 585 A/B

Grade Level: 12  
 Two Semesters - 1.0 credit  
 Prerequisite: AP Studio Art: 2-D Design or 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 required.**

### Animation

AR 643

Grade Level: 9, 10, 11, 12  
 One Semester - 0.5 credit

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! **Guided Enrollment Note: This course is available only at Olathe North.**

### AP Studio Art: 2-D Design

AR 580 A/B

### AP Studio Art: 3-D Design

AR 581 A/B

### AP Studio Art: Drawing

AR 582 A/B

Grade Level: 10, 11, 12  
 Two Semesters - 1.0 credit  
 Prerequisite: Teacher permission recommended

This class is for the very serious and individually driven student who is intent on pursuing an art or design-related course of study. Students will complete an inquiry based portfolio throughout the year. This class is a College Board course scored and submitted with the potential to obtain college credit. It is highly-suggested to have taken a variety of visual arts courses in order to have knowledge of technical skills and materials. **Guided Enrollment Note: Teacher permission recommended. A maximum of 1.0 weight may be credited for each original AP Studio Art course.**

### Art History

AR 850E

Grade Level: 9, 10 11, 12  
 One Semester - 0.5 credit

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.

### Basic Darkroom Photography

AR 450

Grade Level: 10, 11, 12  
 One Semester - 0.5 credit

21

Have you ever been curious about working in a photographic darkroom? This course will cover the fundamentals of photography, the use of the 35mm film camera and its components, darkroom techniques that include film development, use of the enlarger, and paper development. The history of photography and the evolution of the camera will also be explored. **Guided Enrollment Note: This course is offered only at Olathe North High School.**

### Basic Digital Photography

AR 455

Grade Level: 9, 10, 11, 12  
One Semester - 0.5 credit

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.

### Ceramics

AR 490

Grade Level: 9, 10, 11, 12  
One Semester - 0.5 credit

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.

### Digital Design & Graphics

AR 612

Grade Level: 9, 10, 11, 12  
One Semester - 0.5 credit

Students will learn real world design skills and how to combine art & design skills with the latest in graphics software in this digital art class. This course will teach students how the elements and principles of art can enhance digital skills using current software like Photoshop and Illustrator. Through design projects, students will add tools to their artist's toolbox for the digital design world. **Guided Enrollment Note: This course is available only at Olathe North.**

### DS Senior Capstone (Visual Arts)

WW 267 A/B

Grade Level: 12  
Two Semesters - 1.0 credit

21

This course is a culmination of the 4-year academy plan of study and involves a student Professional Learning Experience. This class provides a culmination activity that synthesizes a student's academy learning and helps students further define their post-secondary plans. **Guided Enrollment Note: This course is offered only at Olathe North High School as part of the Distinguished Scholar Academy.**

### DS Symposium

Visual Arts 10  
Visual Arts 11

WW 265 A/B  
WW 266 A/B

Grade Level: 10, 11  
Two Semesters - 1.0 credit

21

This course is research-based 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. **Guided Enrollment Note: This course is offered only at Olathe North High School as part of the Distinguished Scholars Academy.**

### Drawing I

AR 410

Grade Level: 9, 10, 11, 12  
One Semester - 0.5 credit

This course is an introduction to drawing and serves as a foundation for other art courses. The course content includes a variety of media and subject matter exploration. Supplemental experiences will include artists and their works, media demonstrations, exhibiting art work(s), and written reflections.

### Drawing II

AR 420

Grade Level: 9, 10, 11, 12  
One Semester - 0.5 credit  
Prerequisite: Drawing I

This course is an introduction to color theory. The course content includes a variety of media and subject matter exploration. Supplemental experiences will include artists and their works, media demonstrations, exhibiting art work(s), and written reflections.

### Drawing III

AR 430

Grade Level: 10, 11, 12  
One Semester - 0.5 credit  
Prerequisite: Drawing II

This course includes solving complex problems through research and exploration of ways and means of drawing including understanding of the elements of art and principles of design. Students will document their research and idea development. 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, presentation, written reflection, and production of original works of art.

### Drawing IV

AR 440

Grade Level: 10, 11, 12  
One Semester - 0.5 credit  
Prerequisite: Drawing III

This course includes solving complex problems through research and exploration of ways and means of drawing including understanding of the elements of art and principles of design. Students will document their research and idea development. 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, presentation, written reflection, and production of original works of art.

### Jewelry/Metals

AR 565

Grade Level: 10, 11, 12  
One Semester - 0.5 credit

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 jewelry design, fabrication and soldering.

**Painting**

AR 530

Grade Level: 10, 11, 12  
One Semester - 0.5 credit  
Prerequisite: Drawing I

This course will incorporate a variety of media and will emphasize color theory, the application of paint to different surfaces, and methods of mixing paints. Supplemental experiences will include artists and their works, presentation, written reflection, and production of original works of art.

**Sculpture**

AR 570

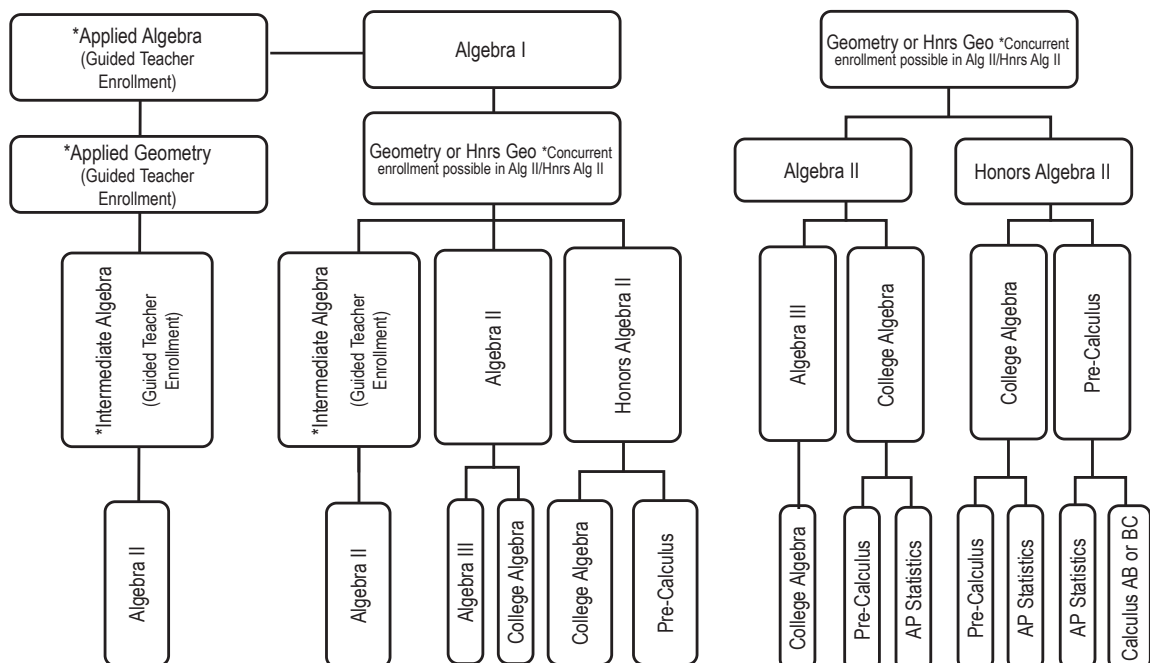
Grade Level: 9, 10, 11, 12  
One Semester - 0.5 credit

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 and making connections between sculpture and real life experience.

Course No.	Course Title	9th Grade	10th Grade	11th Grade	12th Grade	Credit	Pathway Level	21st Century Academy only	OATC Program	College Now	NCAA Approved	Communications	English Language	Fine Arts - Visual & Performing	Language Applications	Life Studies	Math	PE & Health Education	Science - Life	Science - Physical	Social Studies	STEM	Individual Focus
MA 520 A/B	Algebra I	•				1.0					✓						✓						✓
MA 542 A/B	Applied Algebra I	•				1.0											✓						✓
MA 545	Honors Geometry	•	•			1.0					✓						✓						✓
MA 540 A/B	Geometry	•	•	•		1.0					✓						✓						✓
IT 565 AP/BP	Construction Principles (Geometry in Construction) (OW/ON only) <i>See Engineering &amp; Trades for course description</i>	•	•	•		1.0	T								✓							✓	✓
MA 544 A/B	Applied Geometry		•			1.0											✓						✓
MA 615 A/B	Honors Algebra II		•	•		1.0					✓						✓						✓
MA 550 A/B	Algebra II		•	•	•	1.0					✓						✓						✓
MA 525 A/B	Intermediate Algebra			•		1.0											✓						✓
MA 810 A/B	AP Calculus AB			•	•	1.0				✓	✓						✓					✓	✓
MA 850 A/B	AP Calculus BC			•	•	1.0				✓	✓						✓					✓	✓
MA 860 A/B	AP Statistics			•	•	1.0				✓	✓						✓					✓	✓
MA 565 A/B	Algebra III			•	•	1.0					✓						✓						✓
MA 620 A/B	College Algebra			•	•	1.0				✓	✓						✓					✓	✓
MA 720 A/B	Pre-Calculus			•	•	1.0				✓	✓						✓					✓	✓
MA 870	Linear Algebra				•	0.5					✓						✓					✓	✓
MA 880	Multivariable Calculus				•	0.5					✓						✓					✓	✓
<b>Distinguished Scholars Academy (Olathe North only)</b>																							
WW 240 A/B	DS Cross-Cultural Expeditions <i>See English Language Arts for course description</i>	•				1.0		21						✓								✓	✓
WW 256 A/B	DS Symposium Math (10)		•			1.0		21							✓							✓	✓
WW 257 A/B	DS Symposium Math (11)			•		1.0		21							✓							✓	✓
WW 258 A/B	DS Senior Capstone (Math)				•	1.0		21				✓			✓							✓	✓

## High School Math Course Sequence

Individual student course recommendation may vary



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

### Algebra I

MA 520 A/B

Grade Level: 9  
Two Semesters - 1.0 credit



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.

### Algebra II

MA 550 A/B

Grade Level: 10, 11, 12  
Two Semesters - 1.0 credit  
Prerequisite: Geometry



Building on work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, and radical function. 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.

### Algebra III

MA 565 A/B

Grade Level: 11, 12  
Two Semesters - 1.0 credit  
Prerequisite: 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, probability and stats, matrices, conics, and trigonometry. The Mathematical Practice Standards apply throughout this course. A TI-84 series graphing calculator is required. **Guided Enrollment Note: This course is for students needing additional instruction in preparation for College Algebra**

### AP Calculus AB

MA 810 A/B

Grade Level: 11, 12  
Two Semesters - 1.0 credit  
Prerequisite: 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. The Mathematical Practice Standards apply throughout this course. A TI-84 graphing calculator is required.

### AP Calculus BC

MA 850 A/B

Grade Level: 11, 12  
Two Semesters - 1.0 credit  
Prerequisite: Pre-Calculus



Instruction emphasizes functions, graphs, and limits including parametric, polar, and vector functions, derivatives and their applications including properties of definite integrals and application of integrals, Fundamental Theorem of Calculus, techniques and applications of anti-differentiation, polynomial approximations and series. The Mathematical Practice Standards apply throughout this course. A TI-84 graphing calculator is required.

### AP Statistics

MA 860 A/B

Grade Level: 11, 12  
Two Semesters - 1.0 credit  
Prerequisite: Pre-Calculus or 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 Mathematical Practice Standards apply throughout this course. A TI-84 graphing calculator is required.

### Applied Algebra I

MA 542 A/B

Grade Level: 9  
Two Semesters - 1.0 credit

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. This course is intended for students needing additional support with math concepts.

### Applied Geometry

MA 544 A/B

Grade Level: 10  
Two Semesters - 1.0 credit  
Prerequisite: Applied 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.

### College Algebra

MA 620 A/B

Grade Level: 11, 12  
Two Semesters - 1.0 credit  
Prerequisite: Honors Algebra II, Algebra II or Algebra III



This course focuses on the study of functions and their graphs, techniques of solving equations and applications. Students will solve equations and systems of linear equations and inequalities. A TI-84 series graphing calculator is required.

### DS Senior Capstone (Math)

WW 258 A/B

Grade Level: 12  
Two Semesters - 1.0 credit

21

This course is a culmination of the 4-year academy plan of study and involves a student Professional Learning Experience. This class provides a culmination activity that synthesizes a student's academy learning and helps students further define their post-secondary plans. **Guided Enrollment Note: This course is offered only at Olathe North High School as part of the Distinguished Scholar Academy.**



### DS Symposium

Math 10

WW 256 A/B

Math 11

WW 257 A/B

Grade Level: 10, 11

Two Semesters - 1.0 credit

21

This course is research-based 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. **Guided Enrollment Note: This course is offered only at Olathe North High School as part of the Distinguished Scholars Academy.**

### Geometry

MA 540 A/B

Grade Level: 9, 10, 11

Two Semesters - 1.0 credit

Prerequisite: Algebra I

✓NCAA

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: For Geometry in Construction, only available at OW and ON, students should also enroll in IT565 AP/BP Construction Principles (Geometry in Construction). Concurrent enrollment possible in Alg II.**

### Honors Algebra II

MA 615 A/B

Grade Level: 10, 11

Two Semesters - 1.0 credit

Prerequisite: Geometry

✓NCAA

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 graphic calculator is required.

### Honors Geometry

MA 545 A/B

Grade Level: 9, 10

Two Semesters - 1.0 credit

Prerequisite: Algebra I

✓NCAA

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. Six additional advanced concepts are part of the curriculum as well as the high school Geometry standards. **Guided Enrollment Note: Concurrent enrollment possible in Hnrs Alg II.**

### Intermediate Algebra

MA 525 A/B

Grade Level: 11

Two Semesters - 1.0 credit

Prerequisite: Applied Geometry or Geometry

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. This course is intended for students needing additional support with math concepts. The Mathematical Practice Standards apply throughout this course. A TI-84 series graphing calculator is required.

### Linear Algebra

MA 870

Grade Level: 12

One Semester - 0.5 credit

Prerequisite: AP Calculus BC

✓NCAA

This course introduces the mathematical discipline of linear algebra from a formal, rigorous perspective. Instruction emphasizes solutions of  $n \times n$  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. The Mathematical Practice Standards apply throughout this course. A TI-84 series graphing calculator is required. This course is offered second semester.

### Multivariable Calculus

MA 880

Grade Level: 12

One Semester - 0.5 credit

Prerequisite: AP Calculus BC

✓NCAA

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. The Mathematical Practice Standards apply throughout this course. A TI-84 graphing calculator is required. This course is offered first semester.

### Pre-Calculus

MA 720 A/B

Grade Level: 11, 12



Two Semesters - 1.0 credit

Prerequisite: Honors Algebra II

✓NCAA

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, matrix algebra, probability and stats, and vectors. The Mathematical Practice Standards apply throughout this course. A TI-84 series graphing calculator is required.

# PHYSICAL EDUCATION

Course No.	Course Title	9th Grade	10th Grade	11th Grade	12th Grade	Credit	Pathway Level	21st Century Academy only	OATC Program	College Now	NCAA Approved	Communications	English Language	Fine Arts - Visual & Performing	Language Applications	Life Studies	Math	PE & Health Education	Science - Life	Science - Physical	Social Studies	STEM	Individual Focus
PE 510 A/B	Strength & Conditioning I	•	•	•	•	0.5																	✓
PE 600 A/B	Cheerleading 9		•			1.0												✓					
PE 610 A/B	Dance Team 9		•			1.0												✓					
PE 405	Health	•	•			0.5												✓					
PE 410	Physical Education Concepts 	•	•			0.5												✓					
WW 610 A/B	Cheerleading		•	•	•	1.0																	✓
PE 530	Lifetime Fitness		•	•	•	0.5																	✓
PE 525	Physical Education Activities		•	•	•	0.5																	✓
PE 515 A/B	Strength & Conditioning II		•	•	•	0.5																	✓
<b>Public Safety Academy (Olathe West only)</b>																							
PE 425 A/B	Public Safety Physical Education <i>See Social Studies for all Public Safety courses &amp; descriptions</i>		•	•		1.0	T											✓					✓

## Cheerleading

WW 610 A/B

Grade Level: 10, 11, 12

Two Semesters - 1.0 credit

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.

## Cheerleading 9

PE 600 A/B

Grade Level: 9

Two Semesters - 1.0 credit

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: This course will receive P.E. credit.**

## Dance Team 9

PE 610 A/B

Grade Level: 9

Two Semesters - 1.0 credit

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: This course will receive P.E. credit. Performances are after school, evenings, and weekends, and are graded activities.**

## Lifetime Fitness

PE 530

Grade Level: 10, 11, 12

One Semester - 0.5 credit

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.**

## Physical Education Activities

PE 525

Grade Level: 10, 11, 12

One Semesters - 0.5 credit

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.**

## Physical Education Concepts

PE 400

Grade Level: 9, 10

Two Semesters - 0.5 credit

This course provides an opportunity for students to participate in a variety of physical activities and learn the value of quality, lifetime physical fitness.

## Strength & Conditioning I

PE 510 A/B

Grade Level: 9, 10, 11, 12

One Semester - 0.5 credit

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. Freshmen taking this course will also complete Health Education which includes instruction regarding health promotion and disease prevention.**

## Strength & Conditioning II

PE 515 A/B

Grade Level: 10, 11, 12

One Semester - 0.5 credit

This is an advanced course that 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.**

## Health

PE 405

Grade Level: 9, 10

One Semester - 0.5 credit

This course is designed to provide students with a foundation of health knowledge. Subject matter includes Personal Health and Wellness; Fitness Management; Nutrition; Substance Use, Misuse, Abuse and Addiction; Mental and Emotional Health; and Human Sexuality and Disease Prevention.



# SCIENCE

Course No.	Course Title	9th Grade	10th Grade	11th Grade	12th Grade	Credit	Pathway Level	21st Century Academy only	OATC Program	College Now	NCAA Approved	Communications	English Language	Fine Arts - Visual & Performing	Language Applications	Life Studies	Math	PE & Health Education	Science - Life	Science - Physical	Social Studies	STEM	Individual Focus
<b>Distinguished Scholars Academy (Olathe North only)</b>																							
WW 240 A/B	DS Cross-Cultural Expeditions <i>See English Language Arts for course description</i>	•				1.0		21						✓								✓	✓
WW 259 A/B	DS Symposium Science (10)		•			1.0		21							✓							✓	✓
WW 260 A/B	DS Symposium Science (11)			•		1.0		21							✓							✓	✓
WW 261 A/B	DS Senior Capstone (Science)				•	1.0		21				✓			✓							✓	✓
<b>Geosciences Academy (Olathe North only)</b>																							
SC 471 A/B	Geoscience Investigations	•				1.0		21			✓									✓			✓
SC 450	Oceanography	•	•	•	•	0.5		21			✓									✓			✓
SC 473 A/B	Geoscience Applications		•			1.0		21			✓									✓			✓
SC 480 A/B	Aquatic Methods		•	•		1.0		21						✓					✓				✓
SC 415	Marine Biology		•	•	•	0.5		21			✓								✓				✓
SC 472 A/B	Advanced Geoscience: Geology/Paleontology			•	•	1.0		21			✓									✓			✓
SC 470 A/B	Advanced Geoscience: Hydrology/Oceanography			•	•	1.0		21			✓									✓			✓
SC 474 A/B	Geoscience Senior Capstone				•	1.0		21			✓			✓						✓			✓
<b>Green Tech Academy - Sustainability (Olathe West only)</b>																							
<i>Green Tech Academy - Energy - See Engineering &amp; Trades</i>																							
SC 430P	Investigations in Green Tech-Sustainability	•	•			0.5	I	21						✓									✓
GT 415 AP/BP	Energy Power & Society		•	•		1.0	T	21			✓									✓			✓
SC 427 AP/BP	Sustainable Resource Management I		•	•	•	1.0	T	21												✓			✓
GT 610 AP/BP	Sustainable Resource Management II			•	•	1.0	A	21						✓									✓
GT 796 AP/BP	Green Tech WBL - Sustainability				•	1.0	A	21						✓									✓
<b>Medical Professions Academy (Olathe North only)</b>																							
SC 495 A/B	Medical Professions Investigations	•				1.0		21						✓						✓			✓
SC 535 A/B	Genetic Applications		•			1.0		21			✓									✓			✓
SC 560 A	Advance Biotechnology: Cellular & Molecular I			•	•	1.0		21			✓			✓						✓			✓
SC 560 B	Advance Biotechnology: Cellular & Molecular II			•	•	1.0		21			✓			✓						✓			✓
SC 580 A/B	Medical Professions Senior Capstone				•	1.0		21			✓			✓						✓			✓
<b>Sports Medicine Academy (Olathe North only)</b>																							
HS 420 AP/BP	Sports Medicine I	•	•			1.0	T	21						✓									✓
HS 410P	Care of Athletes		•	•		0.5	T	21						✓									✓
HS 400P	Foundations of Rehab		•	•		0.5	T	21						✓						✓			✓
SC 460 AP/BP	Sports Medicine II			•	•	1.0	A	21						✓						✓			✓
HS 640 AP/BP	Sports Medicine Capstone				•	1.0	T	21			✓			✓									✓
<b>Animal Sciences (Olathe Advanced Technical Center / OATC only)</b>																							
VE 224P	Advanced Animal Science			•	•	1.0	A	◆						✓						✓			✓
VE 218 AP/BP	Agricultural Leadership & Communications			•	•	1.0	A	◆						✓									✓
VE 210P	Animal Science			•	•	1.0	T	◆						✓						✓			✓
VE 235P	Animal Science Internship				•	1.0	A	◆						✓									✓
VE 231P	Animal Science Research				•	1.0	A	◆						✓									✓
VE 215P	Small Animal Care				•	1.0	A	◆						✓						✓			✓
VE 220 AP/BP	Veterinary Health Science				•	1.0	A	◆						✓						✓			✓

Course No.	Course Title	9th Grade	10th Grade	11th Grade	12th Grade	Credit	Pathway Level	21st Century Academy only	OATC Program	College Now	NCAA Approved	Communications	English Language	Fine Arts - Visual & Performing	Language Applications	Life Studies	Math	PE & Health Education	Science - Life	Science - Physical	Social Studies	STEM	Individual Focus
<b>Emergency Medical Services (Olathe Advanced Technical Center / OATC only)</b>																							
VE 527P	EKG Technician				•	0.5	A		◆							✓							✓
VE 550P	Emergency Medical Responder (EMR)				•	1.0	A		◆							✓							✓
VE 545P	Fundamentals of EMS				•	0.5	T		◆							✓							✓
VE 542 AP/BP	Health Care Essentials				•	1.0	T		◆							✓							✓
SC 504P	Medical Terminology			•	•	0.5	T		◆	✓						✓							✓
<b>Healthcare Science (Olathe Advanced Technical Center / OATC only)</b>																							
SC 500P	Certified Nurse Aide - CNA			•	•	0.5	A		◆	✓						✓				✓			✓
VE 544P	Human Body Systems			•	•	0.5	T		◆							✓				✓			✓
SC 504P	Medical Terminology			•	•	0.5	T		◆	✓						✓							✓
VE 515P	Pharmacology			•	•	1.0	T		◆							✓				✓			✓
VE 542P	Healthcare Research & Clinical Skills			•	•	0.5	T		◆							✓							✓
VE 559 AP/BP	Health Care Work Experience				•	2.0	A		◆							✓						✓	✓
VE 530P	Principles of Pharmacy				•	1.0	A		◆							✓							✓
VE 525P	Principles of Phlebotomy				•	0.5	A		◆							✓							✓

To be considered a CTE Completer, a student must complete a minimum of 3.0 credits within a pathway; at least 2 of those credits must be a combination of technical and application level courses plus earning an industry-recognized certification or passing a third-party, end-of-Pathway assessment.

## Advanced Animal Science

VE 224P

Grade Level: 11, 12  
One Semester (2-hour block) - 1.0 credit



This course is designed to provide students with a more in-depth understanding of Animal Science. This course will focus on the care and management of large animals. Animal nutrition, health, behavior, reproduction and breeding, anatomy and physiology, facilities, use of qualitative and quantitative analyses for decision making, facilities, handling and training, and grooming are typical areas of study. **Guided enrollment note: This course is offered only at Olathe Advanced Technical Center (OATC) as part of the Animal Science & Research program.**

## Adv. Biotechnology: Cellular & Molecular I

SC 560 A

Grade Level: 11, 12  
One Semester - 1.0 credit



Prerequisites: Honors/General Biology & Honors/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 course is offered only at Olathe North High School as part of the Medical Professions Academy.**

## Adv. Biotechnology: Cellular & Molecular II

SC 560 B

Grade Level: 11, 12  
One Semester - 1.0 credit



Prerequisite: Advanced Biotechnology: Cellular & Molecular I

This course is a continuation of Advanced Biotech I, going deeper into the knowledge and understanding of proteins and DNA. **Guided Enrollment Note: This course is offered only at Olathe North High School as part of the Medical Professions Academy.**

## Advanced Geoscience: Geology/Paleontology

SC 472 A/B

Grade Level: 11, 12  
Two Semesters - 1.0 credit



Students will investigate geology and geologic process through hands-on labs and field experiences. Students also will explore paleontology and the history of life on earth as it relates to geologic time as well as work in the paleontology prep lab. Global Information Systems also will be incorporated. **Guided Enrollment Note: This course is offered only at Olathe North High School as part of the Geoscience Academy and is a choice for endorsement.**

## Advanced Geoscience: Hydrology/Oceanography

SC 470 A/B

Grade Level: 11, 12  
Two Semesters - 1.0 credit



Students will investigate and explore the Earth's freshwater resources. Students also will study the fundamentals of oceanography and meteorology. Hands-on projects and field-based activities will be included. Global Information Systems also will be incorporated. **Guided Enrollment Note: This course is offered only at Olathe North High School as part of the Geoscience Academy and is a choice for endorsement.**

# SCIENCE

## COURSE DESCRIPTIONS

### AP Biology

SC 515 A/B



Grade Level: 11, 12  
Two Semesters - 1.0 credit  
Prerequisite: Chemistry

This course is designed to be the equivalent of a college introductory biology course. 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.

### AP Chemistry

SC 635 A/B



Grade Level: 11, 12  
Two Semesters - 1.0 credit  
Prerequisite: Chemistry or Honors Chemistry

This course is designed to be the equivalent of the 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 Honors Algebra II are recommended prior to AP Chemistry.**

### AP College Physics I

SC 730 A/B



Grade Level: 11, 12  
Two Semesters - 1.0 credit  
Prerequisites: Honors 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. **Guided Enrollment Note: Physics is recommended prior to and Algebra concurrent with AP College Physics I.**

### AP Environmental Science

SC 490 AP/BP



Grade Level: 11, 12  
Two Semesters - 1.0 credit  
Prerequisite: Biology and Chemistry

This lab and field-based course provides students with the 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.

### AP Physics II

SC 735 A/B



Grade Level: 12  
Two Semesters - 1.0 credit  
Prerequisite: 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.

### AP Physics C

SC 740 A/B



Grade Level: 12  
Two Semesters - 1.0 credit  
Prerequisite: Physics or AP College Physics I

AP Physics C is a calculus-based, college-level physics course, especially appropriate for students planning to specialize or major in physical science or engineering. It covers kinematics; Newton's laws of motion; work, energy, and power; systems of particles and linear momentum; circular motion and rotation; oscillations; gravitation; electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism. Introductory differential and integral calculus is used throughout the course.

### Agricultural Leadership & Communications

VE 218 AP/BP



Grade Level: 11, 12  
Two Semesters - 1.0 credit  
(1st & 2nd Semester)

This course helps students develop leadership skills with a focus on opportunities in the Agricultural and Animal Science industries. Topics may include human and animal relationships and effective communication, decision-making and problem-solving, leadership qualities and styles, and ensuring successful completion of group activities. **Guided enrollment note: This course is offered only at Olathe Advanced Technical Center (OATC) as part of the Animal Science & Research program.**

### Anatomy & Physiology

SC 530 AP/BP



Grade Level: 11, 12  
Two Semesters - 1.0 credit  
Prerequisite: Biology

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 Chemistry recommended.**

### Animal Health Investigations

SC 525 A/B

21

Grade Level: 9  
Two Semesters - 1.0 credit

In this lab based course, students will survey animal health topics, including veterinary terminology, animal body systems, veterinary diagnoses and treatments, care and management of animal species, and veterinary math. **Guided Enrollment Note: This course is offered only at Olathe North High School as part of the Animal Health Academy.**

### Animal Science

SC 553

21

Grade Level: 10, 11  
One Semester - 0.5 credit

Students will learn how the sciences of genetics, physiology, and nutrition contribute to the improvement of the animal industries as well as gain an introduction to management and production practices. Course topics include: animal breeds, breeding and selection, anatomy, physiology, nutrition, health and sanitation, products and marketing, animal behavior, and current issues in animal science. **Guided Enrollment Note: This course is offered only at Olathe North High School as part of the Animal Health Academy.**

### Animal Science

VE 210P

Grade Level: 11, 12  
One Semester (2-hour block) - 1.0 credit



Animal Science imparts information about the care and management of domestic and farm animals. This course will cover animal nutrition, health, behavior, selection, reproduction, anatomy and physiology, facilities, product processing, and marketing. Students will learn how to care for and maintain livestock. **Guided enrollment note: This course is offered only at Olathe Advanced Technical Center (OATC) as part of the Animal Science & Research program.**

### Animal Science Internship

VE 235P

Grade Level: 12  
One Semester (2-hour block) - 1.0 credit  
Prerequisite: Veterinary Health Sciences



Students will gain knowledge and skills for various careers in animal science industries. Students will provide a detailed log of experiences and hours while participating. Students must provide own transportation to/from internship location(s). **Guided enrollment note: This course is offered only at Olathe Advanced Technical Center (OATC) as part of the Animal Science & Research program.**

### Animal Science Research

VE 231P

Grade Level: 12  
One Semester (2-hour block) - 1.0 credit



This course allows students to prepare, conduct and evaluate science based projects as they relate to the animal science industry. **Guided enrollment note: This course is offered only at Olathe Advanced Technical Center (OATC) as part of the Animal Science & Research program.**

### Aquatic Methods

SC 480 A/B

Grade Level: 10, 11  
Two Semesters - 1.0 credit

21

Students in the hands-on course will study the closed-environment of ocean ecosystems with 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 select individual and group projects to work on during the course of the year. **Guided Enrollment Note: This course is offered only at Olathe North High School as part of the Geoscience Academy and is a requirement for endorsement.**

### Astronomy

SC 440

Grade Level: 10, 11, 12  
One Semester - 0.5 credit



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 Academy. This course is not offered at Olathe East.**

### Biology

SC 410 A/B

Grade Level: 9, 10, 11, 12  
Two Semesters - 1.0 credit



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

### Biomedical Engineering I

SC 642 A/B

Grade Level: 10  
Two Semesters - 1.0 credit

21

This course builds on the foundations of biomedical engineering and supports a synthesis of engineering principles within biological disciplines. Students will gain an introductory understanding of chemical engineering as applied to biological systems. Students will also practice principles of ethical and contextualized problem solving while cultivating connections within the professional community. Major projects may include drug delivery systems, testing mechanisms of actions for different types of medications, in depth medical ethics case studies, management of big data, introduction to computer engineering, and developing a bioengineering project for competition. Students may investigate the impact of biomedical engineering within a complex global health landscape. **Guided Enrollment Note: This course is offered only at Olathe South High School as part of the Biomedical Engineering Academy.**

### Biomedical Engineering II

SC 644 A/B

Grade Level: 11  
Two Semesters - 1.0 credit  
Prerequisite: Biomedical Engineering I

21

This course will further develop students' ability to work in biomedical engineering with greater independence. Students will grow deeper knowledge of biomedical engineering in mechanical, electrical and computer engineering. Students will continue to practice professional engineering behaviors through active collaboration with biomedical engineers in the field. Major projects may include the construction of a simple medical sensor, management of real-time data and 3D printing of prosthetic or diagnostic devices. **Guided Enrollment Note: This course is offered only at Olathe South High School as part of the Biomedical Engineering Academy.**

### Biomedical Engineering Senior Capstone

SC 770 A/B

Grade Level: 12  
Two Semesters - 1.0 credit

21

This course is a culmination of the 4 year academy plan of study and involves a student initiated Work Based Learning experience or independent research project. The course synthesizes a student's academy learning and helps students further define their post-secondary plans. **Guided Enrollment Note: This course is offered only at Olathe South High School as part of the BioMedical Engineering Academy. Open to Biomedical Engineering Academy students who are meeting academy expectations.**

# SCIENCE

## COURSE DESCRIPTIONS

### Care of Athletes

HS 410P

Grade Level: 10, 11  
One Semester - 0.5 credit  
Prerequisite: Sports Medicine I

21

Students will learn therapeutic tasks that would be designated by a certified athletic trainer or fitness specialist. Topics covered will include an overview of the athletic medicine team, basic legal and ethical considerations in athletic medicine, return-to-play protocols, use of therapeutic modalities, coordination of training room functions, basic patient assessment, and rehabilitation as it relates to an athletic population. **Guided Enrollment Note: This course is offered only at Olathe North High School as part of the Sports Medicine and Exercise Science Academy. Instructor permission required.**

### Certified Nurse Aide-CNA

VE 500P

Grade Level: 11, 12  
One Semester 0.5 credit  
Prerequisite: Medical Terminology



This course prepares students to perform routine nursing-related services to patients in hospitals or long-term care facilities. This class results in the opportunity to test for Kansas certification in CNA. **Guided Enrollment Note: This course is offered at Olathe Advanced Technical Center (OATC) as part of the Healthcare Science Program.**

### Chemistry

SC 610 AP/BP

Grade Level: 10, 11, 12  
Two Semesters - 1.0 credit  
Prerequisite: Biology



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.**

### College Biology

SC 510 A/B

Grade Level: 11, 12  
Two Semesters - 1.0 credit  
Prerequisite: Chemistry



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.

### College Chemistry

SC 630 A/B

Grade Level: 11, 12  
Two Semesters - 1.0 credit  
Prerequisite: Chemistry or Honors Chemistry



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. 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.

### DS Senior Capstone (Science)

WW 261 A/B

Grade Level: 12  
Two Semesters - 1.0 credit

21

This course is a culmination of the 4-year academy plan of study and involves a student Professional Learning Experience. This class provides a culmination activity that synthesizes a student's academy learning and helps students further define their post-secondary plans. **Guided Enrollment Note: This course is offered only at Olathe North High School as part of the Distinguished Scholar Academy.**

### DS Symposium

Science 10  
Science 11

WW 259 A/B  
WW 260 A/B

Grade Level: 10, 11  
Two Semesters - 1.0 credit

21

This course is research-based 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. **Guided Enrollment Note: This course is offered only at Olathe North High School as part of the Distinguished Scholars Academy.**

### Earth Science

SC 492

Grade Level: 11, 12  
One Semester - 0.5 credit



Earth Science offers students a look at the natural processes that occur on Earth. Students will gain an understanding of the processes and interdependence of the earth's systems. Topics encompassing geology, the internal and external processes that shape the surface and the interior of the Earth (mineral formation, rock cycle, plate tectonics, mountain building, geologic time), and meteorology including atmospheric structure, weather forecasts and extreme weather. Students also will explore the impact of humans on the natural environment.

### EKG Technician

VE 527P

Grade Level: 12  
One Semester - 0.5 credit  
Prerequisite: Medical Terminology



This course prepares students to perform and interpret EKGs in the health care setting. Students acquire knowledge, skills, and experiences related to setting up and administering EKGs and stress tests, preparing patients for Holter or ambulatory monitoring, editing and delivering final test results for analysis by physicians, and more. **Guided enrollment note: This course is offered at Olathe Advanced Technical Center (OATC) as part of the Emergency Medical Specialties (EMS) program.**

### ELL Science Foundations

LA 913L A/B

Grade Level: 9, 10, 11, 12  
Two Semesters - 1.0 credit

This course builds upon students' previous knowledge of science to prepare them to take biology, physics, or chemistry their following year. The course introduces students to the foundational vocabulary and concepts of both life and physical science. Sample topics include the structure of the Earth, weather patterns, plate tectonics, Earth's atmosphere, the science process, the solar system, and fundamental concepts of ecology. Additionally, this course targets English-language proficiency development in the areas of reading, writing, listening, and speaking through the learning of science.



### Emergency Medical Responder (EMR)

VE 550P

Grade Level: 12  
One Semester - 1.0 credit



This course is designed to provide training in emergency medical care for those who are apt to be the first persons responding to an emergency incident. The student will receive both didactic and psychomotor skills training in CPR, patient assessment, fracture management, airway management and trauma management. Successful completion of this course with a minimum grade of "C" will enable the student to sit for the First Responder certification exam administered by the Kansas Board of Emergency Medical Services. The First Responder course meets the standards for Emergency Medical Responder (EMR) training and testing. **Guided Enrollment Note: This course is offered for college credit through partnership with JCCC and is offered only at OATC as part of the Emergency Medical Specialties strand.**

### Energy, Power & Society

GT 415 AP/BP

Grade Level: 10, 11  
Two Semesters - 1.0 credit



Prerequisite: Investigations in Green Tech I & Investigations in Green Tech-Energy

This course is designed to introduce students to the terminology and other aspects of the wind industry and further their knowledge of renewable and non-renewable energy and fuels, natural resource management, water quality and land use. Course topics will include the history of the wind industry, types and applications of various wind turbines, environmental and economic issues of the wind industry, and the future of the industry. There will be a focus on project based learning, with students applying their skills and knowledge in real-world settings. **Guided Enrollment Note: This course is offered only at Olathe West High School as part of the Green Tech Academy.**

### Environmental Conservation

SC 551

Grade Level: 10  
One Semesters - 0.5 credit



This course examines the impact humans have on the environment and strategies to conserve it. Topics include the work of historic naturalists, conservation of natural resources, energy, endangered species, freshwater and marine resources, wildlife rehabilitation, and climate change. **Guided Enrollment Note: This course is offered only at Olathe North High School as part of the Animal Health Academy.**

### Foundations of Rehab

HS 400P

Grade Level: 10, 11  
One Semester - 0.5 credit



This course provides students with background knowledge and skills necessary to consider working with patients who need to achieve and maintain functional rehabilitation while preventing dysfunction and deformities. Topics covered include therapeutic exercises and activities (such as stretching and strengthening), how to train patients to perform the activities of daily living, the use of special equipment, and evaluation of patient progress. **Guided Enrollment Note: This course is offered only at Olathe North High School as part of the Sports Medicine and Exercise Science Academy.**

### Fundamentals of EMS

VE 545P

Grade Level: 12  
One Semester - 0.5 credit



This course places a special emphasis on the knowledge and skills needed in medical emergencies. Topics typically include clearing airway obstructions, controlling bleeding, bandaging, methods for lifting and transporting injured persons, simple spinal immobilization, infection control, stabilizing fractures, and responding to cardiac arrest. The courses also may cover the legal and ethical responsibilities involved in dealing with medical emergencies. **Guided Enrollment Note: This course is offered at OATC as part of the Emergency Medical Specialties strand.**

### Genetics & Biotechnology I

SC 540

Grade Level: 11, 12  
One Semester - 0.5 credit



Students will utilize a hands-on experience with biotechnology skills and protocols used in most clinical and research laboratory facilities. Areas of concentration for this course will be the history and application of biotechnology, basic genetic concepts and techniques, safety, bioethics, microbiology, and biomedical technology.

### Genetics & Biotechnology II

SC 545

Grade Level: 11, 12  
One Semester - 0.5 credit



Prerequisite: Genetics and Biotechnology I

Students will further augment their skills through a more in depth exploration into the rapidly evolving field of biotechnology. Areas of concentration for this course will include the utilization of microorganisms and genetic modification in the food and agriculture industry, use of genetic techniques in forensic science and drug addiction, focusing on the ethical and safe application of biotechnology. Students will complete the course with a capstone project of their choice that focuses on a global challenge that can be solved with the knowledge gained from the Genetics and Biotechnology course.

### Genetic Applications

SC 535 A/B

Grade Level: 10  
Two Semesters - 1.0 credit



Students will participate in several human health case studies. There will be a focus on laboratory skills learning and the integration of community guest speakers. **Guided Enrollment Note: This course is offered only at Olathe North High School as part of the Medical Professions Academy.**

### Geoscience Applications

SC 473 A/B

Grade Level: 10  
Two Semesters - 1.0 credit



This course takes skills and knowledge from the Geoscience Investigations course and applies them to different elements of problem-solving, research, design, and professional learning experiences. Students will focus on individual aquarium maintenance skills, GIS mapping skills, and applying those skills to project-based learning. Students also will share their knowledge and skills by developing mini-lessons to teach to local elementary students. **Guided Enrollment Note: This course is offered only at Olathe North High School as part of the Geoscience Academy and is a requirement for endorsement. This course is open only to students in the Geoscience Academy.**

# SCIENCE

## COURSE DESCRIPTIONS

### Geoscience Investigations

SC 471 A/B

Grade Level: 9  
Two Semesters - 1.0 credit



This course serves as an introduction to the Geoscience Academy designed to provide students with a basic understanding of the Geo (earth) sciences: Hydrology, Marine Science, Oceanography, Meteorology, Astronomy, Environmental, Geology, and Paleontology. Students will be introduced to laboratory skills, experimental methods, and careers related to the Geosciences. **Guided Enrollment Note: This course is a requirement for endorsement and only open to students in the Geoscience Academy at Olathe North High School.**

### Geoscience Senior Capstone

SC 474 A/B

Grade Level: 12  
Two Semesters - 1.0 credit



This course is a culmination of the 4-year academy plan of study and involves a student Professional Learning Experience. This course synthesizes a student's academy learning and helps students further define their post-secondary plans. **Guided Enrollment Note: This course is offered only at Olathe North High School as part of the Geoscience Academy and is a requirement for endorsement. Open to Geoscience Academy students who are meeting academy expectations.**

### Green Tech WBL-Sustainability

GT 796 AP/BP

Grade Level: 12  
Two Semesters - 1.0 credit



The Ag Internship is a course designed to give students an immersive experience within an agricultural career pathway. Students will spend time in an off-site internship, where they will develop real-world skills and knowledge under the guidance of a mentor. Students will also gain experience in teamwork, career planning and time management. **Guided Enrollment Note: This course is offered only at Olathe West High School as part of the Green Tech Academy. Open to Green Tech Academy students who are meeting academy expectations.**

### Health Care Essentials

VE 542 AP/BP

Grade Level: 12  
Two Semesters - 1.0 credit  
Prerequisite: Medical Terminology



This course is an in-depth look at specific topics in the health science area. Students may further explore the special topic by collaborating, observing, and participating in approved activities with local and regional health care professionals to offer an advanced experience. **Guided enrollment note: This course is offered at Olathe Advanced Technical Center (OATC) as part of the Healthcare Science program.**

### Health Care Work Experience - 2.0 credit

VE 559 AP/BP

Grade Level: 12  
Two Semesters - 2.0 credits  
(1.0 credit per semester - Block)



This course provides students with the opportunity to gain extensive knowledge from health/wellness professionals in private/public industry, community organizations and health care settings. Students will gain extensive knowledge in selected areas of health care, specific occupations, skill set, educational requirements, credentials/licensure, and daily routines by participating in Job Shadows or Internships. This class includes instruction in specific skill sets related to health occupations, research on emerging trends, exploration of daily routines, understanding code of ethics, patient rights, standards and regulations, safety, and legal requirements. **Guided Enrollment Note: This course is offered at Olathe Advanced Technical Center (OATC) as part of the Healthcare Science & EMS programs.**

### Honors Biology

SC 414 A/B

Grade Level: 9  
Two Semesters - 1.0 credit



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 but at a faster pace and in greater detail. Honors Biology for engineering 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.**

### Honors Chemistry

SC 625 A/B

Grade Level: 10, 11, 12  
Two Semesters - 1.0 credit  
Prerequisite: Biology



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 Honors Algebra II or higher math is strongly recommended.**

### Horticulture I

SC 420P / SC 420

Grade Level: 10, 11, 12  
One Semester - 0.5 credit  
Prerequisite: Biology

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 430P / SC 430

Grade Level: 10, 11, 12  
 One Semester - 0.5 credit  
 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.**

### Human Body Systems

VE 544P

Grade Level: 11, 12  
 One Semester - 1.0 credit



This course involves the study of processes, structures, and interactions of the human body. Students experience real-world scenarios and cases to see medicine in action. Special attention is given to technical skills, technology and equipment associated in healthcare professions. **Guided Enrollment Note: This course is offered at Olathe Advanced Technical Center (OATC) as part of the Healthcare Science Program.**

### Introduction to Biomedical Engineering

SC 640 A/B

Grade Level: 9  
 Two Semesters - 1.0 credit



Introduction to Biomedical Engineering is an introductory course designed to provide students with a basic understanding of how to use the scientific process and engineering design to solve real world health related problems. Fundamental biomedical engineering topics include scientific thinking, design process, exposure to various public health challenges, and design principles to investigate biomedical engineering issues. Students will also be exposed to numerous career pathways and requirements for those careers related to biomedical engineering. A hands on approach will engage students and create interest in and passion for biomedical engineering. Teamwork, creative thinking, and effective communication are important parts of the students' learning experience. **Guided Enrollment Note: This course is offered only at Olathe South High School as part of the Biomedical Engineering Academy.**

### Investigations in Green Tech-Sustainability

GT 430P

Grade Level: 9, 10  
 One Semester - 0.5 credit



This course is a survey of a wide array of topics within the agricultural industry, exposing students to the many and varied types of agriculture and sustainability career opportunities and to those in related fields (such as natural resources and urban agriculture). This course serves to introduce students to the agricultural field, providing them an opportunity to identify an area for continued study or to determine that their interest lies elsewhere. They often focus on developing communication skills, business principles, and leadership skills. **Guided Enrollment Note: This course is offered only at Olathe West High School as part of the Green Tech Academy.**

### Marine Biology

SC 415

Grade Level: 10, 11, 12  
 One Semester - 0.5 credit  
 Prerequisite: Biology



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 3,000 gallons of aquaria and the 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 an elective for endorsement for students in the Geoscience Academy and is open also to all students at Olathe North High School.**

### Medical Professions Investigations

SC 495 A/B

Grade Level: 9  
 Two Semesters - 1.0 credit



Students will research the process of pursuing a career in medicine or human health. There will be a focus on laboratory skills learning and the integration of community guest speakers. **Guided Enrollment Note: This course is offered only at Olathe North High School as part of the Medical Professions Academy.**

### Medical Professions Senior Capstone

SC 580 A/B

Grade Level: 12  
 Two Semesters - 1.0 credit



This course is a culmination of the 4-year academy plan of study and involves a student Professional Learning Experience. This class provides a culmination activity that synthesizes a student's academy learning and helps students further define their post-secondary plans. **Guided Enrollment Note: This course is offered only at Olathe North High School as part of the Medical Professions Academy. Open to Medical Professions Academy students who are meeting academy expectations.**

### Medical Terminology

SC 504P

Grade Level: 11, 12  
 One Semester (1st sem)- 0.5 credit  
 Healthcare Science I AND Emergency Medical Specialties (EMS) programs



This course will introduce students to systematically identify medical terms by analyzing their components. The course will emphasize defining medical prefixes, root words, suffixes, and abbreviations as well as in introduction to basic medical math. The primary focus is on developing both oral and written skills in the language used to communicate within health care professions. This course is designed for the student who is interested in any facet of the healthcare industry. **Guided Enrollment Note: This course is offered at Olathe Advanced Technical Center (OATC) as part of the Healthcare Science Program.**

# SCIENCE

## COURSE DESCRIPTIONS

### Microbiology

SC 552

Grade Level: 10  
One Semester - 0.5 credit



Students will learn basics in the field of Microbiology. Students will continue to develop laboratory skills, experimental methods, and explore careers in science with an emphasis in the Animal Health field. Laboratory skills, collection of data, and the exploration of microorganisms will be the emphasis in this lab-based class. This course will provide students with a general understanding of microbes, prokaryotic and eukaryotic cells, and domain systems. Topics may include bacterial control, cell structure, fungi, protozoa, viruses, microbial genetics as well as standard lab practices and safety. **Guided Enrollment Note: This course is offered only at Olathe North High School as part of the Animal Health Academy.**

### Oceanography

SC 450

Grade Level: 9, 10, 11, 12  
One Semester - 0.5 credit



Studies will include hands-on lab investigations in the Geoscience lab. Topics will include history of, present structure, exploration, physical and chemical characteristics, as well as the current state of the world's oceans affecting life on earth. **Guided Enrollment Note: This course is offered only at Olathe North High School as part of the Geoscience Academy and is open to students outside the academy who attend Olathe North.**

### Pharmacology

VE 515P

Grade Level: 11, 12  
One Semester - 1.0 credit  
Prerequisite: Human Body Systems



Pharmacology involves a study of how humans can be changed by chemical substances, especially by the actions of drugs and other substances used to treat disease. Basic concepts of physiology, pathology, biochemistry, and bacteriology are typically brought into play as students examine the effects of drugs and their mechanisms of action. **Guided Enrollment Note: This course is offered at Olathe Advanced Technical Center (OATC) as part of the Healthcare Science Program.**

### Physical Science

SC 210 A/B

Grade Level: 10, 11, 12  
Two Semesters - 1.0 credit



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.

### Physical Science Investigations I

SC 435

Grade Level: 11, 12  
One Semester - 0.5 credit  
Prerequisite: Biology



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.

### Physics

SC 710 A/B

Grade Level: 10, 11, 12  
Two Semesters - 1.0 credit



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: Geometry is recommended concurrent with Physics.**

### Principles of Pharmacy

VE 530P

Grade Level: 12  
One Semester (2-hour block)- 1.0 credit



This course will help students learn the information needed to start a career as a Pharmacy Technician. Course content will include an understanding of the role the pharmacy profession, pharmacy procedures and safety, drug interactions and reactions, an overview of various drug categories, pharmacy law and ethical responsibilities, and a pharmacy technician practicum. These standards will prepare the student for a technical assessment directly aligned to the standards. **Guided Enrollment Note: This course is offered at Olathe Advanced Technical Center (OATC) as part of the Healthcare Science Program.**

### Principles of Phlebotomy

VE 525P

Grade Level: 12  
One Semester - 0.5 credit



Students will acquire knowledge, skills, and experiences related to the drawing of blood and learn about infection control, sterilization practices, medical/hospital procedures and environments, diagnostic procedures, and the process of drawing blood. **Guided Enrollment Note: This course is offered at Olathe Advanced Technical Center (OATC) as part of the Healthcare Science Program.**

### Small Animal Care

VE 215P

Grade Level: 12  
One Semester (2-hour block) - 1.0 credit



This course focuses on the care and management of small animals. Animal nutrition, health, behavior, reproduction and breeding, anatomy and physiology, facilities, handling and training, and grooming are typical areas of study. This course will teach technical knowledge & skills for occupations in companion animal industry. **Guided enrollment note: This course is offered only at Olathe Advanced Technical Center (OATC) as part of the Animal Science & Research program.**

### Sports Medicine I

HS 420 AP/BP

Grade Level: 9, 10  
Two Semesters - 1.0 credit



This course is designed to teach students components of exercise science/sports medicine; including exploration of therapeutic careers, medical terminology, anatomy and physiology, first aid, injury prevention principles, the healing process, rehabilitation techniques, therapeutic modalities, sport nutrition, sport psychology, and performance enhancement philosophies. Students will acquire certification in CPR/AED and First Aid from the American Health Association. **Guided Enrollment Note: This course is offered only at Olathe North High School as part of the Sports Medicine and Exercise Science Academy.**

### Sports Medicine II

SC 460 AP/BP

Grade Level: 11, 12  
Two Semesters - 1.0 credit  
Prerequisite: Care of Athletes

21

This course provides students with instruction in advanced techniques and processes for sports medicine through hands-on experience evaluating injuries commonly sustained by the competitive athlete. Emphasis will be placed on evaluating and assessing athletic injuries. The appropriate use of technology and industry-standard equipment is an integral part of this course. Upon successful completion of this course, students will have acquired entry-level skills for employment and be prepared for postsecondary education. **Guided Enrollment Note: This course is offered only at Olathe North High School as part of the Sports Medicine and Exercise Science Academy. Concurrent enrollment in Anatomy & Physiology is recommended.**

### Sports Medicine Capstone

HS 640 AP/BP

Grade Level: 12  
Two Semesters - 1.0 credit  
Prerequisite: Sports Medicine II and Anatomy & Physiology

21

This course is a culmination of the 4-year plan of study in Sports Medicine and provides students with the opportunity to gain extensive knowledge from health/wellness professionals in private/public industry, community organizations, and health care settings. Students will gain extensive knowledge and skills in a variety of areas within the Sports Medicine industry by participating in Job Shadows or Internships. **Guided Enrollment Note: This course is offered only at Olathe North High School as part of the Sports Medicine and Exercise Science Academy.**

### Student Naturalist

SC 520 A/B

Grade Level: 11, 12  
Two Semesters - 1.0 credit  
Prerequisite: Biology

✓NCAA

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.

### Sustainable Resource Management I

SC 427 AP/BP

Grade Level: 10, 11, 12  
Two Semesters - 1.0 credit

21

Sustainable Resource Management is a course designed to provide students with a comprehensive overview of natural resources, the environment and its relationship to recreation and production agriculture. At the conclusion of this course, students will be able to analyze common practices and how they positively or negatively affect people and the environment. **Guided Enrollment Note: This course is offered only at Olathe West High School as part of the Green Tech Academy.**

### Sustainable Resource Management II

GT 610 AP/BP

Grade Level: 11, 12  
Two Semesters - 1.0 credit

21

This course explores technological and environmental changes and concerns; and addresses alternative approaches to food production including, but not limited to water resources management, organics, low-input, natural, and sustainable production methodology and practices. Course content may include comparing the effects of alternative production practices to those of conventional production practices. **Guided Enrollment Note: This course is offered only at Olathe West High School as part of the Green Tech Academy. Open to Green Tech Academy students who are meeting academy expectations.**

### Veterinary Health Science

VE 220 AP/BP

Grade Level: 12  
Two Semesters - 1.0 credit



Veterinary Science imparts information about the causes, diagnosis, and treatment of diseases and injuries of animals, typically emphasizing domestic and farm animals. This course is designed to help students develop skills used in veterinary clinics and boarding facilities. Upon completion of this course students will be prepared to sit for the Veterinary Assistant Certification examination to earn an Approved Veterinary Assistant (AVA) designation. **Guided enrollment note: This course is offered only at Olathe Advanced Technical Center (OATC) as part of the Animal Science & Research program.**

### Wildlife Biology

SC 554

Grade Level: 10, 11  
One Semester - 0.5 credit  
Prerequisites: Biology and Chemistry

21 ✓NCAA

Students will examine wildlife as a natural resource, with emphasis on principles of ecology, management and identification. The course has three integrated sections: historical and contemporary human dimensions of wildlife ecology and management, understanding the applied aspects of ecological principles that are the foundation for wildlife management, and a zoological approach to identifying various wildlife species. **Guided Enrollment Note: This course is offered only at Olathe North High School as part of the Animal Health Academy.**

### Zoology





SC 555 A/B

Grade Level: 12  
Two Semesters - 1.0 credit

21 ✓NCAA

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. **Guided Enrollment Note: This course is offered only at Olathe North High School as part of the Animal Health Academy.**

# SOCIAL STUDIES

Course No.	Course Title	9th Grade	10th Grade	11th Grade	12th Grade	Credit	Pathway Level	21st Century Academy only	OATC Program	College Now	NCAA Approved	Communications	English Language	Fine Arts - Visual & Performing	Language Applications	Life Studies	Math	PE & Health Education	Science - Life	Science - Physical	Social Studies	STEM	Individual Focus
<i>Courses offered within a pathway may vary at each school. Please visit with your school's counselor for specific school pathway courses.</i>																							
SS 215 A/B	Honors Modern World History	•				1.0					✓										✓	✓	
SS 210 A/B	Modern World History	•				1.0					✓										✓	✓	
SS 412	Human Geography 	•	•	•	•	0.5					✓										✓	✓	
SS 460 A/B	AP European History		•	•	•	1.0				✓	✓										✓	✓	
SS 445	Black American History		•	•	•	0.5					✓			✓							✓	✓	
SS 440	Contemporary Issues		•	•	•	0.5					✓										✓	✓	
SS 415	Honors World Geography		•	•	•	0.5					✓										✓	✓	
SS 630	Introduction to Psychology 		•	•	•	0.5					✓			✓	✓						✓	✓	
SS 620	Sociology		•	•	•	0.5					✓										✓	✓	
SS 645	Sports Psychology <i>Available at Olathe North only</i>		•	•	•	0.5									✓						✓	✓	
SS 448	Women's Studies		•	•	•	0.5					✓			✓							✓	✓	
SS 640 A/B	AP Psychology			•	•	1.0				✓	✓				✓						✓	✓	
SS 515 A/B	AP United States History			•	•	1.0				✓	✓										✓	✓	
SS 510 A/B	United States History 			•	•	1.0					✓										✓	✓	
SS 715	AP United States Government and Politics				•	0.5				✓	✓										✓	✓	
SS 710	United States Government 				•	0.5					✓										✓	✓	
<b>Government &amp; Public Administration Pathway - Pre-Law Strand (All High Schools)</b>																							
BU 560P	Accounting I <i>See Business for course description</i>	•	•	•	•	0.5	T								✓							✓	
BU 565P	Accounting II <i>See Business for course description</i>	•	•	•	•	0.5	T								✓							✓	
SS 612P	Business Economics <i>See Business for course description</i>	•	•	•	•	0.5	T								✓						✓	✓	
BU 540P	Business Law <i>See Business for course description</i>	•	•	•	•	0.5	T				✓				✓							✓	
HE 413P	Lifespan Development <i>See Family &amp; Consumer Sciences for course description</i>	•	•	•	•	0.5	T								✓							✓	
HE 476P	Career Connections <i>See Family &amp; Consumer Sciences for course description</i>				•	0.5	A				✓				✓							✓	
<b>Civic Leadership Academy (Olathe East only)</b>																							
SS 480P	Introduction to Civic Leadership	•				0.5	I	21							✓							✓	
SS 486P	Practical Law Fundamentals		•			0.5	T	21							✓						✓	✓	
SS 482P	Public Administration Fundamentals		•			0.5	T	21							✓						✓	✓	
SS 484P / 485	Government and Public Relations Applications I & II			•		1.0	A	21							✓						✓	✓	
SS 487 AP/BP	Legal Proceedings Applications			•		1.0	A	21							✓						✓	✓	
SS 495 AP/BP	Civic Leadership Work Experience				•	1.0	A	21							✓							✓	

# SOCIAL STUDIES

Course No.	Course Title	9th Grade	10th Grade	11th Grade	12th Grade	Credit	Pathway Level	21st Century Academy only	OATC Program	College Now	NCAA Approved	Communications	English Language	Fine Arts - Visual & Performing	Language Applications	Life Studies	Math	PE & Health Education	Science - Life	Science - Physical	Social Studies	STEM	Individual Focus	
<b>Public Safety Academy (Olathe West only)</b>																								
PS 305P	Introduction to Public Safety-Fire Science	•	•			0.5	T	21							✓								✓	
PS 300P	Introduction to Public Safety-Law Enforcement		•	•		0.5	I	21							✓									✓
PS 310 AP/BP	Fire Science I			•	•	1.0	T	21	✓						✓							✓	✓	
PS 330 AP/BP	Law Enforcement I			•	•	1.0	T	21	✓						✓							✓	✓	
PE 425 A/B	Public Safety Physical Education		•	•		1.0	T	21										✓					✓	
PS 320 AP/BP	Fire Science II			•	•	1.0	A	21	✓						✓							✓	✓	
SC 670 AP/BP	Forensic Science			•	•	1.0	T	21		✓									✓				✓	
PS 340 AP/BP	Law Enforcement II			•	•	1.0	A	21	✓						✓							✓	✓	
PS 350P	Hazardous Materials for the First Responder				•	0.5	T	21	✓						✓								✓	
PS 690P	Public Safety Capstone - Fire Science				•	0.5	A	21			✓				✓							✓	✓	
PS 680P PS 681	Public Safety Capstone -Law Enforcement I Public Safety Capstone - Law Enforcement II				•	1.0	A	21			✓				✓							✓	✓	
<b>Distinguished Scholars Academy (Olathe North only)</b>																								
WW 240 A/B	DS Cross-Cultural Expeditions <i>See English Language Arts for course description</i>	•				1.0		21						✓								✓	✓	
WW 262 A/B	DS Symposium Political Science (10)			•		1.0		21							✓							✓	✓	
WW 263 A/B	DS Symposium Political Science (11)				•	1.0		21							✓							✓	✓	
WW 264 A/B	DS Senior Capstone (Political Science)				•	1.0		21			✓				✓							✓	✓	
To be considered a CTE Completer, a student must complete a minimum of 3.0 credits within a pathway; at least 2 of those credits must be a combination of technical and application level courses plus earning an industry-recognized certification or passing a third-party, end-of-Pathway assessment.																								

**AP European History** SS 460 A/B

Grade Level: 10, 11, 12 **✓NCAA**  
Two Semesters - 1.0 credit

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.

**AP United States Government & Politics** SS 715

Grade Level: 12 **✓NCAA**  
One Semester - 0.5 credit

This is an academically rigorous course that 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.

**AP Psychology** SS 640 A/B

Grade Level: 11, 12 **✓NCAA**  
Two Semesters - 1.0 credit

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: Introduction to Psychology is NOT a pre-requisite for this course.**

**AP United States History** SS 515 A/B

Grade Level: 11, 12 **✓NCAA**  
Two Semesters - 1.0 credit

This is an academically rigorous course that meets the United States History graduation requirement. This course provides a chronological narrative survey of American history from the pre-colonial period to the present.

**Black American History** SS 445

Grade Level: 10, 11, 12 **✓NCAA**  
One Semester - 0.5 credit

A semester elective course that examines the history and culture of Africa and Black American experience in an interdisciplinary format, including an analysis of the unique historical, cultural, political, and social developments from the Middle Passage to the present day. The course will celebrate, honor, and recognize the contributions and achievements of Black Americans in the United States. Critical thinking, reading, writing, and oral presentation skills are emphasized. Students of all races, ethnicities, and genders are encouraged to enroll.

### Civic Leadership Work Experience

SS 495 AP/BP

Grade Level: 12

One Semester - 1.0 credit

21

Prerequisite: Government and Public Relations Applications II OR Legal Proceedings Applications

This course applies the skills needed in government and public administration professions through the application of leadership and teamwork within the classroom or as an intern at a work location. Topics may include working with budgets, negotiation/communication with co-workers, developing proposals, making oral presentations and making informed decisions to meet an identified need. **Guided Enrollment Note: This course is offered only at Olathe East High School as part of the Civic Leadership Academy. Open to Civic Leadership Academy students who are meeting academy expectations**

### Contemporary Issues

SS 440

Grade Level: 10, 11, 12

One Semester - 0.5 credit

✓NCAA

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.

### DS Senior Capstone (Political Science)

WW 264 A/B

Grade Level: 12

Two Semesters - 1.0 credit

21

This course is a culmination of the 4-year academy plan of study and involves a student Professional Learning Experience. This class provides a culmination activity that synthesizes a student's academy learning and helps students further define their post-secondary plans. **Guided Enrollment Note: This course is offered only at Olathe North High School as part of the Distinguished Scholar Academy.**

### DS Symposium

Political Science 10

WW 262 A/B

Political Science 11

WW 263 A/B

Grade Level: 10, 11

Two Semesters - 1.0 credit

21

This course is research-based 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. **Guided Enrollment Note: This course is offered only at Olathe North High School as part of the Distinguished Scholars Academy.**

### Fire Science I

PS 310 AP/BP

Grade Level: 10, 11

Two Semesters - 1.0 credit

21

Prerequisite: Introduction to Public Safety

This course is designed, when combined with Fire Science II, to give students the knowledge and skills to enter a fire safety post-secondary program or other fields of study or careers in the area of fire safety. Topics covered include fire department communications, fire ground operations, rescue operations, safety, preparedness, and maintenance. Students will be provided the opportunity to take the third-party Fire Fighter I Certification test upon completion of Fire Science I & II and Hazmat Awareness classes. **Guided Enrollment Note: This course is offered only at Olathe West High School as part of the Public Safety Academy.**

### Fire Science II

PS 320 AP/BP

Grade Level: 11, 12

Two Semesters - 1.0 credit

21

Prerequisite: Fire Science I

This course is designed, when combined with Fire Science I, to give students the knowledge and skills to enter a fire safety post-secondary program or other fields of study or careers in the area of fire safety. Topics covered include fire department communications, fire ground operations, rescue operations, safety, preparedness, and maintenance. Students will be provided the opportunity to take the third-party Fire Fighter I certification test upon completion of Fire Science I & II and Hazmat Awareness classes. **Guided Enrollment Note: This course is offered only at Olathe West High School as part of the Public Safety Academy.**

### Forensic Science

SC 670 AP/BP

Grade Level: 11, 12

Two Semesters - 1.0 credit

21

✓NCAA

This course explores the principles and skills used in forensic science. Topics within the course focus on collection and analysis of crime scene evidence and will be presented through interactive lectures, laboratory studies, mock crime scene processing, and guest speakers. **Guided Enrollment Note: This course is offered only at Olathe West High School as part of the Public Safety Academy and is required for the Law Enforcement strand.**

### Government and Public Relations Applications I & II

SS 484P

SS 485

Grade Level: 11

Two Semesters - 1.0 credit

21

Prerequisite: Public Administration Fundamentals

This course will build skills needed to communicate messages for community change through various organizations. Topics will include conflict awareness, reliability of sources, creating publicity materials, public relations campaigns and working with the media. Students will explore the role of public relations in society, business, and government. **Guided Enrollment Note: This course is offered only at Olathe East High School as part of the Civic Leadership Academy and is a required course in the Public Administration strand.**

### Hazardous Materials for the First Responder

PS 350P

Grade Level: 12

One Semester - 0.5 credit

21

Prerequisite: Fire Science II

This course is designed to prepare students how to develop an emergency response contingency plan to deal with hazardous material or chemical emergencies in compliance with regulations in order to protect human health and the environment as well as to minimize an organization's risks. Students will also implement the various portions of the plan as required. Students will be provided the opportunity to take the third-party Fire Fighter I certification test upon completion of Fire Science I, II and Hazmat Awareness classes. **Guided Enrollment Note: This course is offered only at Olathe West High School as part of the Public Safety Academy. Course is taken 1st semester of Senior year as part of the Capstone experience.**



### Honors Modern World History SS 215 A/B

Grade Level: 9   
Two Semesters - 1.0 credit

This course is open to students who desire a challenge in their study of world history. Students will explore world history through selected topics from the Renaissance through the 20th century. Focus themes for this course include geography, social, political, religious, human-environment interaction, technologies, and economics. Students will examine primary and secondary sources to investigate world history using historical thinking skills. Activities will be designed to help prepare students for Advanced Placement social studies courses.

### Honors World Geography SS 415

Grade Level: 10, 11, 12   
One Semester - 0.5 credit

This course focuses on world geography through the themes of location, place, human-environment interaction, movement and region. Students examine primary and secondary sources to investigate world geography using historical thinking skills. Activities will be designed to help prepare students for Advanced Placement social studies courses.

### Human Geography SS 412

Grade Level: 9, 10, 11, 12   
One Semester - 0.5 credit

In this course, students will explore the reciprocal relationship between how humans have understood, used, and changed the earth's surface, and how the earth has informed human behavior and activity. Students will examine patterns of human population, migration, land use, and cultural practices.

### Introduction to Civic Leadership SS 480P

Grade Level: 9   
One Semester - 0.5 credit

This course will introduce students to the knowledge and skills of serving the general public in a variety of occupations. Topics include identifying personal strengths and weaknesses, setting career goals, leadership skills, team-building and problem solving. In addition, students will analyze leadership roles and identify leadership opportunities in the school and community. Students will explore career opportunities in legal studies and public administration in both government and non-government organizations. Students will meet and learn from professionals in related career fields and have the opportunity to visit a variety of local government agencies and law-related venues. Students will learn fundamental concepts in legal studies and government and public administration. **Guided Enrollment Note: This course is offered only at Olathe East High School as part of the Civic Leadership Academy.**

### Introduction to Public Safety - Fire Science PS 305P

Grade Level: 9, 10   
Two Semesters - 0.5 credits

This course provides students with knowledge of careers in public safety with an emphasis on fire science. The course will showcase the myriad of specialty disciplines existing as a subset within fire service emergency response. **Guided Enrollment Note: This course is offered only at Olathe West High School as part of the Public Safety Academy.**

### Introduction to Public Safety - Law Enforcement PS 300P

Grade Level: 9, 10   
Two Semesters - 0.5 credits

This introductory level course is designed to provide students with knowledge of careers in public safety with an emphasis on law enforcement. The course will emphasize ethics and responsibility, safety, and types of crime through hands-on experiences. **Guided Enrollment Note: This course is offered only at Olathe West High School as part of the Public Safety Academy.**

### Introduction to Psychology SS 630

Grade Level: 10, 11, 12   
One Semester - 0.5 credit


This course focuses on an introduction to psychology through the topics of scientific inquiry and research methods, biological bases of behavior, cognitive psychology, learning and development, social and personality, and mental and physical health.

### Law Enforcement I PS 330 AP/BP

Grade Level: 10, 11   
Two Semesters - 1.0 credit  
Prerequisite: Introduction to Public Safety


This course provides students with an introduction to administration of justice. Topics covered will include the criminal justice system, policing in the United States, the United States government and the court system, individual rights and liberties, the corrections system in America, juvenile justice, and the future of criminal justice in America. **Guided Enrollment Note: This course is offered only at Olathe West High School as part of the Public Safety Academy.**

### Law Enforcement II PS 340 AP/BP

Grade Level: 11, 12   
Two Semesters - 1.0 credit  
Prerequisite: Law Enforcement I

This course is designed, when combined with Law Enforcement I, to give students the knowledge and skills to enter a law enforcement academy or other post-secondary programs in the area of law enforcement. Topics covered in the course include effective police operations, the role of specialized police operations, and the personal side of police operations, including physical and mental health and ethics. **Guided Enrollment Note: This course is offered only at Olathe West High School as part of the Public Safety Academy.**

### Legal Proceedings Applications SS 487 AP/BP

Grade Level: 11   
Two Semesters - 1.0 credit  
Prerequisite: Practical Law Fundamentals

The focus of this course is criminal law. Students will examine the connection between the Constitution and the courts - how laws are created, enforced, interpreted and changed. The course enables students to examine diverse areas of law, including criminal, civil, constitutional and international. Topics include the mental and physical elements of criminal offenses, categories of crimes, and criminal responsibility and defenses, civil rights issues and the role of advocacy, civics and the media in our legal system. Case studies, simulations, integration of technology, and guest speakers will be an integral part of this course. **Guided Enrollment Note: This course is offered only at Olathe East High School as part of the Civic Leadership Academy and is a required course in the Legal strand.**

### Modern World History

SS 210 A/B

Grade Level: 9

Two Semesters - 1.0 credit



This course focuses on world history through selected topics from the Renaissance through the 20th century. Focus themes for this course include geography, social, political, religious, human-environment interaction, technologies, and economics. Students will examine primary and secondary sources to investigate world history using historical thinking skills.

### Practical Law Fundamentals

SS 486P

Grade Level: 10

One Semester- 0.5 credit--To be taken 1st semester

Prerequisite: Introduction to Civic Leadership

21

In this course, students will examine the basic legal structures and functions of government including the court system and processes to develop problem-solving skills in our legal society. Students will be introduced to an overview of law, including criminal law, contract law, family law, business and employment law, juvenile law, and immigration law. Case studies, simulations, integration of technology, and guest speakers will be an integral part of this course. **Guided Enrollment Note: This course is offered only at Olathe East High School as part of the Civic Leadership Academy and is a required course in the Legal strand.**

### Public Administration Fundamentals

SS 482P

Grade Level: 10

One Semester - 0.5 credit--To be taken 2nd semester

Prerequisite: Introduction to Civic Leadership

21

In this course, students will be introduced to the fundamentals of public administration and public policy. They will investigate the process of formulating public policy and how it impacts decision making. Students will examine a variety of different policy issues through case studies and interviews with local government agencies. Students will evaluate how public and private agencies meet the needs of their communities. Case studies, simulations, integration of technology, and guest speakers will be an integral part of this course. **Guided Enrollment Note: This course is offered only at Olathe East High School as part of the Civic Leadership Academy and is a required course in the Public Administration strand.**

### Public Safety Capstone - Fire Science

PS 690P

Grade Level: 12

One Semester - 0.5 credit

Prerequisite: Hazardous Materials for the First Responder

21

This course is a culmination of the 4-year academy plan of study and involves a student Professional Learning Experience. This class provides a culmination activity that synthesizes a student's academy learning and helps students further define their post-secondary plans. **Guided Enrollment Note: This course is offered only at Olathe West High School as part of the Public Safety Academy. Course is taken 2nd semester of Senior year as part of the Capstone experience.**

### Public Safety Capstone - Law Enforcement I

PS 680P

### Public Safety Capstone - Law Enforcement II

PS 681

Grade Level: 12

Two Semesters - 1.0 credit

21

This course is a culmination of the 4-year academy plan of study and involves a student Professional Learning Experience. This class provides a culmination activity that synthesizes a student's academy learning and helps students further define their post-secondary plans. **Guided Enrollment Note: This course is offered only at Olathe West High School as part of the Public Safety Academy. Open to Public Safety Academy students who are meeting academy expectations.**

### Public Safety Physical Education

PE 425 A/B

Grade Level: 10, 11

Two Semesters - 1.0 credit

21

This course prepares students with the knowledge and physical skills needed to enter the field of law enforcement or fire safety while focusing on strength, endurance, fitness, and health. Student course work will also include CPR and First Aid certification. **Guided Enrollment Note: This course is offered only at Olathe West High School as part of the Public Safety Academy. Students will need to complete PE 405 to satisfy the Health graduation requirement.**

### Sociology

SS 620

Grade Level: 10, 11, 12

One Semester - 0.5 credit



This course is an introduction to the fascinating world of sociology where students are given the opportunity to interact with individuals from a variety of settings. Topics include: crime, diverse cultural responses to situations in society, the influence of the media on society, and exploring demographics of communities (races, religions, economics, age). Students will have the opportunity to interact with the people both in and outside their school community.

### Sports Psychology

SS 645

Grade Level: 10, 11, 12

One Semester - 0.5 credit

This introduction to fitness and sports psychology is both content driven and skill-based. Students will learn about conditioning, punishment, motivation, social issues, gender differences, aggression and violence, the media, ethical concerns of sports, diversity issues, and more. Students will leave class with the skills of focus and mental toughness that will optimize their chances for dealing with sport and life-related stress. **Guided Enrollment Note: This course is offered only at Olathe North High School.**

### United States Government

SS 710

Grade Level: 12

One Semester - 0.5 credit



This course examines the origins, development, organizations, power, and actual working of American government and emphasizes the change and developments in recent years, and emphasizes the impact and effects on the student's daily lives.

**United States History**

SS 510 A/B

Grade Level: 11, 12



Two Semesters - 1.0 credit

This course provides a chronological and/or thematic study of American history from the late nineteenth century to the present.

**Women's Studies**

SS 448

Grade Level: 10, 11, 12



One Semester - 0.5 credit

The main focus of this course will be women and their societal advancement throughout history. This course will provide knowledge about the social role of women and their involvement in areas such as health, history, and political activism. The course will also provide knowledge about gender stereotypes and how this affects the learning process. We encourage students of any gender to enroll in this class.

# SPECIALIZED PROGRAMS

Course No.	Course Title	9th Grade	10th Grade	11th Grade	12th Grade	Credit	Pathway Level	21st Century Academy only	OATC Program	College Now	NCAA Approved	Communications	English Language	Fine Arts - Visual & Performing	Language Applications	Life Studies	Math	PE & Health Education	Science - Life	Science - Physical	Social Studies	STEM	Individual Focus
WW 445 A/B	AVID 9	•				1.0									✓	✓							✓
WW 500	Driver's Education	•	•	•	•	0.5										✓							✓
YA 150	ELL Pace	•	•	•	•	0.5 -1.0																	
YA 710G	Gifted Services	•	•	•	•	0.5- 1.0																	
YA 415	Guided Study	•	•	•	•	0.5- 1.0																	✓
YA 430S	Interpersonal Skills	•	•	•	•	0.5						✓			✓	✓							✓
YA 700 AR/BR	Resource	•	•	•	•	0.5- 1.0																	
WW 450 A/B	AVID 10		•			1.0									✓	✓							✓
YA 480	Peer Mentor for Interpersonal Skills Class		•	•	•	1.0									✓	✓							✓
WW 455 A/B	AVID 11			•		1.0									✓	✓							✓
YA 420	College Readiness Skills			•	•	0.5										✓							✓
ZZ 510 A/B	Office Assistant			•	•	0.5																	
ZZ 610 A/B	Teacher Assistant			•	•	0.5- 1.0																	
WW 460 A/B	AVID 12				•	1.0									✓	✓							✓

Not all courses are available in each building. Please see your counselor to enroll.

## AVID 9

WW 445 A/B

Grade Level: 9  
Two Semesters - 1.0 credits

The 9th grade AVID course is an elective class for students who are college bound. While concurrently enrolled in a college-prep course of study, students learn strategies to enhance success. Students will learn time management, practice goal-setting skills, create a four-year academic plan, demonstrate note-taking skills, work effectively in collaborative groups, and learn strategies for test preparation. **Guided Enrollment Note: This course is open by application and interview only.**

## AVID 10

WW 450 A/B

Grade Level: 10  
Two Semesters - 1.0 credits

The 10th grade AVID course is an elective class for students who are college bound. While concurrently enrolled in a college-prep course of study, students learn strategies to enhance success. To ensure success in college-prep course work, students work individually, as well as in tutored collaborative groups. **Guided Enrollment Note: This course is open by application and interview only.**

## AVID 11

WW 455 A/B

Grade Level: 11  
Two Semesters - 1.0 credits

The 11th grade AVID course is an elective class for students who are college bound. While concurrently enrolled in a college-prep course of study, students learn strategies to enhance success. To ensure success in college-prep course work, students work individually, as well as in tutored collaborative groups. Note-taking, outlining, writing, speaking, reading, test-taking strategies, and self-awareness are stressed. In addition, the course includes college motivational and career exploration activities. **Guided Enrollment Note: This course is open by application and interview only.**

## AVID 12

WW 460 A/B

Grade Level: 12  
Two Semesters - 1.0 credits

12th grade AVID is the culmination of a student's years in the AVID program, and the course involves substantial critical reading, writing and preparation for graduation requirements. Students enrolled in AVID 12 engage in analytical discourse in subjects across the curriculum. In addition, students make oral presentations to the class on topics related to college entrance, contemporary issues, and social concerns. AVID 12 employs adult tutors who lead discussions and analysis of the academic subjects in which the students are enrolled. AVID 12 students, working with the tutors, are expected to participate in and eventually act as moderators for Socratic seminars. Moreover, students in this course will learn about applying for colleges and scholarships and if desired, complete such applications. **Guided Enrollment Note: This course is open by application and interview only.**

### College Readiness Skills

YA 420

Grade Level: 11, 12  
One Semester - 0.5 credit

Students will develop an understanding of and strategies for college admission and future college success through self-discovery and research. Students will use their own standardized testing data, XELLO assessments, and their Individual Plan of Study to develop strategies to reach their personal college and career goals.

### Driver's Education

WW 500

Grade Level: 9, 10, 11, 12  
One Semester - 0.5 credit

To take Driver's Education, students must be at least 14 years old before the first day of class and they must have a valid driving instruction permit. The classroom part of the program will meet for 36 hours and the road portion will consist of 6 hours of actual practice driving and up to 6 hours of driving observation. This program is designed to give a student a sound basis of procedure knowledge, rules of the road, driving laws, and values involved in operating a motor vehicle in a safe and defensive manner. The driving program will consist of orientation to the car, basic driving procedures, turning the car around, parking the car, driving in reverse, driving on the highway, and residential practice driving. At the end of the class, students will receive a letter grade. This class takes place after school hours and costs around \$300. Class fee is subject to change. After successful completion of the course, a certificate of completion will be issued, after which a student may be issued a permanent driver's license.

### ELL Pace

YA 150

Grade Level: 9, 10, 11, 12  
One or Two Semesters - 0.5-1.0 credit

This course is designed for non-native English speakers who need extra academic support in their classes. Students receive support in study skills and tier III vocabulary.

### Gifted Services

YA 710G

Grade Level: 9, 10, 11, 12  
One or Two Semesters - 0.5 - 1.0 credit

This special services course offers enrichment opportunities and activities beyond what can be provided in the general education setting. Coursework can be based upon the General Education curriculum with enhanced and differentiated materials to master course objectives, make progress toward IEP goals and objectives, or the opportunity to explore an area of interest in greater depth. **Guided Enrollment Note: Placement in this class is by Special Education action only.**

### Guided Study

YA 415

Grade Level: 9, 10, 11, 12  
One or Two Semesters - 0.5 - 1.0 credit

Students needing additional instructional time to master academic concepts may be assigned to this course. Students seeking time to complete rigorous coursework may also enroll.

### Interpersonal Skills

YA 430S

Grade Level: 9, 10, 11, 12  
One Semester - 0.5 credit

This special services course teaches effective communication and interpersonal skills. Special services students will learn to establish positive staff and peer relationships, work within diverse teams, and communicate orally and in writing in a manner that facilitates a successful relay of information. **Guided Enrollment Note: Placement in this class is by Special Education action only.**

### Office Assistant

ZZ 510 A/B

Grade Level: 11, 12  
One or Two Semesters - 0.5 - 1.0 credit

Students will be assigned to assist in duties within the school offices. They will receive training in the area of their responsibility which may include: telephone techniques, office machines, public relations, filing procedures and work ethics, as well as communication skills. Students successfully completing the program will have practical experience to enhance employability skills. This course may be repeated for credit.

### Peer Mentor for Interpersonal Skills class

YA 480

Grade Level: 10, 11, 12  
Two Semesters - 1.0 credit

Peer mentors are enrolled in the Interpersonal Skills course. They model positive social and academic interactions with special services students enrolled in the class. In their roles as student educators, mentors must be responsible, work well with others, and display a positive attitude in both the school and community settings. They work collaboratively with the teacher and students in one-on-one and group settings. **Guided Enrollment Note: Application is required.**

### Resource

YA 700 AR/BR

Grade Level: 9, 10, 11, 12  
One or Two Semesters - 0.5 - 1.0 credit

This special services course offers academic, socio-emotional, and behavioral support for students with a variety of disabilities. Coursework is based upon the general education curriculum using differentiated materials to provide support for these unique learners as they progress toward IEP goals and objectives and graduation. **Guided Enrollment Note: Placement in this class is by Special Education action only.**

### Teacher Assistant

ZZ 610 A/B

Grade Level: 11, 12  
One or Two Semesters - 0.5 - 1.0 credit

Students enrolled as teacher assistants should perform work as described in a job description filed by the supervising teacher and approved by the building principal. The duties, of an educational nature, should justify the work for one period per day. This course may be repeated.

# WORLD LANGUAGE

Course No.	Course Title	9th Grade	10th Grade	11th Grade	12th Grade	Credit	Pathway Level	21st Century Academy only	OATC Program	College Now	NCAA Approved	Communications	English Language	Fine Arts - Visual & Performing	Language Applications	Life Studies	Math	PE & Health Education	Science - Life	Science - Physical	Social Studies	STEM	Individual Focus
FL 700 A/B	American Sign Language I	•	•	•	•	1.0					✓			✓									✓
FL 705 A/B	American Sign Language II		•	•	•	1.0					✓			✓									✓
FL 708 A/B	American Sign Language III			•	•	1.0					✓			✓									✓
FL 410 A/B	French I	•	•	•	•	1.0					✓			✓									✓
FL 420 A/B	French II	•	•	•	•	1.0					✓			✓									✓
FL 430 A/B	French III		•	•	•	1.0					✓			✓									✓
FL 440 A/B	French IV			•	•	1.0			✓	✓				✓									✓
FL 450 A/B	AP French V				•	1.0			✓	✓				✓									✓
FL 510 A/B	German I	•	•	•	•	1.0					✓			✓									✓
FL 520 A/B	German II		•	•	•	1.0					✓			✓									✓
FL 530 A/B	German III			•	•	1.0			✓	✓				✓									✓
FL 540 A/B	German IV				•	1.0			✓	✓				✓									✓
FL 610 A/B	Spanish I	•	•	•	•	1.0					✓			✓									✓
FL 620 A/B	Spanish II	•	•	•	•	1.0					✓			✓									✓
FL 630 A/B	Spanish III		•	•	•	1.0					✓			✓									✓
FL 640 A/B	Spanish IV			•	•	1.0			✓	✓				✓									✓
FL 650 A/B	AP Spanish V				•	1.0			✓	✓				✓									✓
FL 635 A/B	Spanish for Heritage Speakers I	•	•	•	•	1.0					✓			✓									✓
FL 645 A/B	Spanish for Heritage Speakers II	•	•	•	•	1.0					✓			✓									✓
FL 647 A/B	Spanish for Heritage Speakers III	•	•	•	•	1.0					✓			✓									✓
<b>Available at Olathe Northwest only</b>																							
FL 740 A/B	Japanese I	•	•	•	•	1.0					✓			✓									✓
FL 750 A/B	Japanese II		•	•	•	1.0					✓			✓									✓
FL 760 A/B	Japanese III			•	•	1.0					✓			✓									✓
FL 770 A/B	Japanese IV				•	1.0					✓			✓									✓

## American Sign Language I

FL 700 A/B

Grade Level: 9, 10, 11, 12  
Two Semesters - 1.0 credit



This course is an introductory course to American Sign Language (ASL) that establishes a novice range of communication skills. Students learn how to communicate about themselves and others related to everyday life. This course emphasizes the cultural practices distinct to those that approach the world from a visual perspective. Topics include historical events that have impacted the language and culture of the D/ deaf community, the distinct cultural practices, and the comparison of language features. In order to promote language proficiency, much of this class is taught in ASL.

## American Sign Language II

FL 705 A/B


Grade Level: 10, 11, 12  
Two Semesters - 1.0 credit



Prerequisite: American Sign Language I or equivalent proficiency

This course builds upon student's language proficiency in ASL. Students move from basic communication to extended dialog and expression. Students learn how to communicate about the world around them while enhancing their expressive and receptive skills. This course emphasizes the cultural practices distinct to those that approach the world from a visual perspective. Students take a deeper look at the culture of the D/ deaf community. In order to promote language proficiency, most of this class is taught in ASL.

### American Sign Language III FL 708 A/B

Grade Level: 11, 12   
 Two Semesters - 1.0 credit  
 Prerequisite: American Sign Language II or equivalent proficiency


The purpose of this course is to enable students to enhance their proficiency through a linguistic, communicative, and cultural approach to language learning. There is a continued emphasis on the development of receptive and expressive signing skills. Experiences with American Sign Language and Deaf literature are broadened. Cross-cultural understanding is fostered, and real-life applications are emphasized throughout the course. In order to promote language proficiency, the class is taught in ASL.

### French I FL 410 A/B

Grade Level: 9, 10, 11, 12   
 Two Semesters - 1.0 credit


This class at the Novice Mid proficiency level is designed for students who have had little or no experience learning French. Students learn about the Francophone culture and learn to communicate in the context of ordinary, daily situations. In order to promote language proficiency, much of this class is taught in French.

### French II FL 420 A/B

Grade Level: 9, 10, 11, 12   
 Two Semesters - 1.0 credit  
 Prerequisite: French I or equivalent proficiency


This class at the Novice High proficiency level uses authentic materials to increase students' cultural understanding of the Francophone world and to expand their language ability related to ordinary, daily situations. In order to promote language proficiency, most of this class is taught in French.

### French III FL 430 A/B

Grade Level: 10, 11, 12   
 Two Semesters - 1.0 credit  
 Prerequisite: French II or equivalent proficiency


This class at the Intermediate Low proficiency level increases students' language ability to function in social situations outside the classroom. Students use authentic materials to learn about and discuss familiar topics related to the Francophone world around them. Most of this class is taught in French.

### French IV FL 440 A/B

Grade Level: 11, 12   
 Two Semesters - 1.0 credit  
 Prerequisite: French III or equivalent proficiency


In this class at the Intermediate Mid proficiency level, students use authentic materials to learn about and discuss global contemporary issues of the Francophone world. Students investigate the history of the Francophone world through the study of cultural products such as literature, art, news media, and music. This class is taught in French.

### AP French V FL 450 A/B

Grade Level: 12   
 Two Semesters - 1.0 credit  
 Prerequisite: French IV or equivalent proficiency


In this class at the Intermediate High proficiency level, students expand their language ability by taking a deeper look at the cultural practices, products, and perspectives of the Francophone world. Students investigate and present on global contemporary issues and other topics of interest. This class is taught in French.

### German I FL 510 A/B

Grade Level: 9, 10, 11, 12   
 Two Semesters - 1.0 credit


This class at the Novice Mid proficiency level is designed for students who have had little or no experience learning German. Students learn about the German-speaking culture and learn to communicate in the context of ordinary, daily situations. In order to promote language proficiency, much of this class is taught in German.

### German II FL 520 A/B

Grade Level: 10, 11, 12   
 Two Semesters - 1.0 credit  
 Prerequisite: German I or equivalent proficiency


This class at the Novice High proficiency level uses authentic materials to increase students' cultural understanding of the German-speaking world and to expand their language ability related to ordinary, daily situations. In order to promote language proficiency, most of this class is taught in German.

### German III FL 530 A/B

Grade Level: 11, 12   
 Two Semesters - 1.0 credit  
 Prerequisite: German II or equivalent proficiency

This class at the Intermediate Low proficiency level increases students' language ability to function in social situations outside the classroom. Students use authentic materials to learn about and discuss familiar topics related to the German-speaking world around them. Most of this class is taught in German. Students have the opportunity to take national and international proficiency exams.

### German IV FL 540 A/B

Grade Level: 12   
 Two Semesters - 1.0 credit  
 Prerequisite: German III or equivalent proficiency

In this class at the Intermediate Mid proficiency level, students use authentic materials to learn about and discuss global contemporary issues of the German-speaking world. Students investigate the history of the German-speaking world through the study of cultural products such as literature, art, news media, and music. This class is taught in German. Students have the opportunity to take national and international proficiency exams.

# WORLD LANGUAGE

## COURSE DESCRIPTIONS

### Japanese I

FL 740 A/B

Grade Level: 9, 10, 11, 12  
Two Semesters - 1.0 credit



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 program located at Olathe Northwest High School. Students must apply for a transfer to participate in this program.**

### Japanese II

FL 750 A/B

Grade Level: 10, 11, 12  
Two Semesters - 1.0 credit



Prerequisite: Japanese I or equivalent proficiency

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 program located at Olathe Northwest High School. Students must apply for a transfer to participate in this program.**

### Japanese III

FL 760 A/B

Grade Level: 11, 12  
Two Semesters - 1.0 credit



Prerequisite: Japanese II or equivalent proficiency

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 program located at Olathe Northwest High School. Students must apply for a transfer to participate in this program.**

### Japanese IV

FL 770 A/B

Grade Level: 12  
Two Semesters - 1.0 credit



Prerequisite: Japanese III or equivalent proficiency

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 program located at Olathe Northwest High School. Students must apply for a transfer to participate in this program.**

### Spanish I

FL 610 A/B

Grade Level: 9, 10, 11, 12  
Two Semesters - 1.0 credit



This class at the Novice Mid proficiency level is designed for students who have had little or no experience learning Spanish. Students learn about the Hispanic culture and to communicate in the context of ordinary, daily situations. In order to promote language proficiency, much of this class is taught in Spanish.

### Spanish II

FL 620 A/B

Grade Level: 9, 10, 11, 12  
Two Semesters - 1.0 credit



Prerequisite: Spanish I or equivalent proficiency

This class at the Novice High proficiency level uses authentic materials to increase students' cultural understanding of the Hispanic world and to expand their language ability related to ordinary, daily situations. In order to promote language proficiency, most of this class is taught in Spanish.

### Spanish III

FL 630 A/B

Grade Level: 10, 11, 12  
Two Semesters - 1.0 credit



Prerequisite: Spanish II or equivalent proficiency

This class at the Intermediate Low proficiency level increases students' language ability to function in social situations outside the classroom. Students use authentic materials to learn about and discuss familiar topics related to the Hispanic world around them. Most of this class is taught in Spanish.

### Spanish IV

FL 640 A/B

Grade Level: 11, 12  
Two Semesters - 1.0 credit



Prerequisite: Spanish III or equivalent proficiency

In this class at the Intermediate Mid proficiency level, students use authentic materials to learn about and discuss global contemporary issues of the Hispanic world. Students investigate the history of the Hispanic world through the study of cultural products such as literature, art, news media, and music. This class is taught in Spanish.

### AP Spanish V

FL 650 A/B

Grade Level: 12  
Two Semesters - 1.0 credit



Prerequisite: Spanish IV or equivalent proficiency

In this class at the Intermediate High proficiency level, students expand their language ability by taking a deeper look at the cultural practices, products, and perspectives of the Hispanic world. Students investigate and present on global contemporary issues and other topics of interest. This class is taught in Spanish.

### Spanish for Heritage Speakers I

FL 635 A/B

Grade Level: 9, 10, 11, 12  
Two Semesters - 1.0 credit



This course is designed specifically for heritage students who have already gained speaking and listening proficiency in Spanish in a home or other community setting in 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.



**Spanish for Heritage Speakers II**

FL 645 A/B

Grade Level: 9, 10, 11, 12

Two Semesters - 1.0 credit

Prerequisite: Spanish for Heritage Speakers I



This course is designed specifically for heritage students who have already gained speaking and listening proficiency in Spanish in a home or other community setting in the United States. Students continue to build on their academic skills in the Spanish language through the study and discussion of language structure, cultural and current events. Additionally, this course introduces students to the skill of interpreting in the work setting. After completion of the course, students may enroll in upper-level Spanish courses such as AP Spanish V to further their language study.

**Spanish for Heritage Speakers III**

FL 647 A/B

Grade Level: 9, 10, 11, 12

Two Semesters - 1.0 credit

Prerequisite: Spanish for Heritage Speakers II



This course is designed specifically for heritage students who have already gained speaking and listening proficiency in Spanish in a home or other community setting in the United States. In this course, students continue to build on their academic and interpreting skills in Spanish. Students increase their linguistic and cultural competence through the study and discussion of language structure, culture, and current events in the Spanish-speaking world. After completion of the course, students may enroll in upper-level Spanish courses such as AP Spanish V to further their language study.





### **Notification Statement of Non-discrimination**

The Olathe Public Schools prohibit discrimination on the basis of race, color, ethnicity, national origin, sex, disability, age, religion, sexual orientation or gender identity in its programs, activities or employment, and provides equal access to the Boy Scouts and other designated youth groups to its facilities as required by: Title IX of the Education Amendments of 1972, Title VI and Title VII of the Civil Rights Act of 1964, the Age Discrimination Act of 1975, the Americans with Disabilities Act (ADA), the Individuals with Disabilities Education Act, Section 504 of the Rehabilitation Act of 1973, the Equal Access Act of 1984 and other relevant state and federal laws as amended. Inquiries regarding compliance with applicable civil rights statutes related to race, ethnicity, gender, age discrimination, sexual orientation, gender identity or equal access may be directed to Staff Counsel, 14160 S. Black Bob Road, Olathe, KS 66063-2000, phone 913-780-7000. All inquiries regarding compliance with applicable statutes regarding Section 504 of the Rehabilitation Act and the Individuals with Disabilities Education Act and the Americans with Disabilities Act may be directed to the Executive Director of Special Services, 14160 S. Black Bob Rd. Olathe, KS 66063-2000, phone 913-780-7000. Interested persons including those with impaired vision or hearing, can also obtain information as to the existence and location of services, activities and facilities that are accessible to and usable by disabled persons by calling the Assistant Superintendent, Operations. (05/22)