

KILLINGLY
HIGH
SCHOOL

PROGRAM
OF
STUDIES
&
CAREER
PATHWAYS



2026-2027

CHLOE OATES

Killingly High School Program of Studies

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Academic Information

KHS Graduation Requirements	
Class of 2027 & Beyond	
HUMANITIES	Credit
English	4.0
Social Studies - <i>Must include American Government, U.S. History, and 1 additional credit</i>	3.0
<i>Arts</i> (see list of courses below)	1.0
*Financial Literacy - <i>Personal Finance, SAE, or EDL 1 & 2</i> * <i>May also count as STEM if HUMANITIES credits are satisfied.</i>	0.5
Additional Humanities	0.5
<i>Total Humanities Credits</i>	9.0
STEM – Science, Technology, Engineering, & Mathematics	Credit
Mathematics	3.0
Science	3.0
Computer Literacy	0.5
Additional STEM Electives	2.5
<i>Total STEM Credits</i>	9.0
ADDITIONAL REQUIREMENTS	Credit
Physical Education	1.0
Health	1.0
World Language	1.0
Performance Graduation Requirements (PGRs)	1.0
Open Electives	3
<i>Total Additional Requirements</i>	7.0
<i>TOTAL CREDITS REQUIRED FOR GRADUATION</i>	25.0

Course Load Requirements

- All students in grades 9-11 must carry 7 courses each semester
- Seniors must carry at least 5 courses each semester

Course Designations

***Humanities (HUM)** courses are those from the fields of history, literature, language, and the arts which contribute to the development of skills that students require to better participate in and understand the processing and documenting of the human experience. These courses provide opportunities to develop a sense of connection to those who have come before us as well as our contemporaries. Skills include oral and written communication, rational analysis, creative and critical thinking, and insight & imagination.

***ARTS** courses are those that fall under a range of categories, including all course offerings within both the visual (Art) and performing (Music) arts departments. Additional individual courses from other departments fulfill the ARTS requirement as well, and include:

- AgEd Dept: Floriculture (AGEEC1858); Nursery Landscape (AGECP1862/63)
- Business Dept: Yearbook (BUSCP1670)
- English Dept: Theatre Arts (ENGCP1086)
- Technology Dept: *All Video Production courses*
- Music Dept: *All courses*
- Art Dept: *All courses*

***STEM** courses are those from the fields of science, technology, engineering and/or mathematics which contribute to the development of skills that students require to design solutions to complex problems. STEM skills include asking questions, planning and carrying out investigations, analyzing and interpreting data, using mathematics and computational thinking, constructing explanations, engaging in argument from evidence & obtaining, and evaluating and communicating information.

Courses fulfilling “Humanities (HUM),” “STEM,” or “EITHER” are indicated in the far right column of the department tables, as well as those Humanities classes fulfilling the ARTS requirement. In addition to the courses listed in this Program, students may have an opportunity to earn credit as “Leaders” in pre-approved courses they have successfully completed.

Performance Graduation Requirements (PGRs)

All Killingly High School students are required to complete PGRs in eight (8) areas:

- | | |
|--------------------------------------|--|
| 1. Education/Career Portfolio | 5. Oral Communication |
| 2. Use of Computer Technology | 6. Reading for Information |
| 3. Persuasive Argument | 7. Response to Literature |
| 4. Numeric Problem Solving | 8. Community Service (40 hours) |

Students must obtain both the required credits and achieve mastery in PGRs 1-8. Students fulfill these PGRs through both specific courses and the independent completion of tasks.

Four-Year Projections
(Examples of Student Schedules per Grade Level)

9th GRADE						
DAY	Sem.	Homeroom	1	2	3	4
A	1	PRIDE HR	ENG 1	PRIDE	MATH 1	PE 1
	2					Health 1
B	1		SCIENCE 1	WORLD HIS.	WORLD LANG. 1	Elective
	2					Elective

10th GRADE						
DAY	Sem.	Homeroom	1	2	3	4
A	1	PRIDE HR	ENG 2	PRIDE	MATH 2	Comp. Lit.
	2					Elective
B	1		BIOLOGY	AMERICAN GOV.	WORLD LANG. 2	PE 2
	2					Health 2

11th GRADE						
DAY	Sem.	Homeroom	1	2	3	4
A	1	PRIDE HR	ENG 3	PRIDE	MATH 3	Elective
	2					Elective
B	1		Science 3	US HISTORY	WORLD LANG. 3 / Elective(s)	Personal Fin.
	2					Elective

12th GRADE						
DAY	Sem.	Homeroom	1	2	3	4
A	1	PRIDE HR	ENG 4	PRIDE	MATH / Elective(s)	Elective
	2					Elective
B	1		SCIENCE / Elective(s)	SOCIAL STUDIES / Elective(s)	Elective(s)	Elective
	2					Elective

Four-Year Projections
(Examples of Student Schedules per Grade Level [AgEd])

9th GRADE (AgEd)						
DAY	Sem.	Homeroom	1	2	3	4
A	1	PRIDE HR	ENG 1	PRIDE	MATH 1	PE 1
	2					Health 1
B	1		SCIENCE 1	WORLD HIS.	WORLD LANG. 1	AgEd 1
	2					

10th GRADE (AgEd)						
DAY	Sem.	Homeroom	1	2	3	4
A	1	PRIDE HR	ENG 2	PRIDE	MATH 2	PE 2
	2					Health 2
B	1		BIOLOGY	AMERICAN GOV.	AgEd 2	AgEd 2
	2					Comp. Lit

11th GRADE (AgEd)						
DAY	Sem.	Homeroom	1	2	3	4
A	1	PRIDE HR	ENG 3	PRIDE	MATH 3	Personal Finance
	2					AgEd 3
B	1		SCIENCE 3	US HISTORY	AgEd 3	WORLD LANG. 2
	2					

12th GRADE (AgEd)						
DAY	Sem.	Homeroom	1	2	3	4
A	1	PRIDE HR	ENG 4	PRIDE	MATH / Elective(s)	AgEd 4
	2					
B	1		SCIENCE / Elective(s)	SOCIAL STUDIES / Elective(s).	Elective(s)	AgEd 4.
	2					Personal Fin.

Course Level Descriptions

Killingly High School encourages all students to attempt the highest-level courses appropriate.

Advanced Placement (AP) or Early College Experience (ECE)

These courses involve rigorous academic expectations, including extensive reading, writing, individual and group research, and scholarly papers and artifacts *that reflect college-level work*. All students in AP courses are expected to take the AP Exam.

Honors (HN)

These courses involve rigorous academic expectations requiring students to do extensive reading, writing, individual and group research, and produce scholarly papers and artifacts.

College Preparatory (CP)

These courses are rigorous and designed for students planning to attend four-year colleges. Students should expect nightly homework, extensive writing, and classroom discussions.

General

These courses are aimed at improving the knowledge and skills of students and will move at slightly slower paces than CP courses. Students planning to attend community colleges, technical schools, enter the job market, or join the military can take courses at this level. It is important that students strive to do their best in these courses to move to CP where appropriate.

Course Requests

Teachers and School Counselors will help students select courses based on graduation requirements as well as interests, performance, career and college plans, and the schools to which they apply. These decisions will occur at various times each year as students and School Counselors meet to update students' Course Planners, and during Course Request Day(s) in the spring when teachers provide level recommendations for the following school year. Parents and guardians should discuss these recommendations and requests with students at home.

Additional Course Requirements & Athletic Eligibility

All students must carry at least 5 courses per semester to be considered **full-time**. This qualifies them for the Honor Roll as well as making them eligible to participate in sports.

NCAA Eligibility

Students who are considering playing Division I or II athletics in college must ensure that **core subject area** courses taken at KHS are approved through the NCAA. This information is indicated by *'s in the Table of Contents for each department. See NCAA Eligibility Center (<https://web3.ncaa.org/ecwr3/>) and KHS school website for more information.

Honor Roll

Weighted grading is *not* used in determining Honor Roll, which is calculated quarterly as such:

High Honors: All A's (including A-)

First Honors: A's and not more than two B's (including B- and B+)

Second Honors: A's, B's and one C (including C- and C+)

Students must be considered full-time to be eligible for the Honor Roll.

Students who have withdrawn from a class (W) are ineligible for the honor roll.

Students with more than two classes on a Pass/Fail (P/F) grade scale are ineligible for honor roll.

Class Rank

Class rank is determined using a weighted system. The level of a course and grade earned determines the point value in the weighting system. Students must complete 12 credits at KHS to be ranked with their class. Course weights and corresponding values are indicated below.

Grade	General	College Prep	Honors	AP
A	4.0	4.5	5.0	5.5
A-	3.7	4.2	4.7	5.2
B+	3.3	3.8	4.3	4.8
B	3.0	3.5	4.0	4.5
B-	2.7	3.2	3.7	4.2
C+	2.3	2.8	3.3	3.8
C	2.0	2.5	3.0	3.5
C-	1.7	2.2	2.7	3.2
D	1.0	1.5	2.0	2.5
F	0	0	0	0
WP/WF				
(Withdrawal Pass/Fail)	N/A	N/A	N/A	N/A

Withdrawals (WP/WF) do NOT impact students' class ranks or cumulative GPAs

Senior Year Transcript Submission

Seniors will submit applications to colleges, universities, technical schools, and other post-secondary institutions throughout their senior year. Student transcripts are uploaded to their Naviance account by the lead school counselor at three key points: September, February, and June, following the conclusion of each finalized quarter. The majority of colleges and universities require students to choose their school and submit an official written commitment by **May 1st**, commonly referred to as "Commitment Day".

Understanding the following timeline is essential for all students:

- **September - January Transcript:** This transcript includes the GPA and class rank cumulative from grades 9, 10, and 11.

- **February - prior to the close of Q4 grades Transcript:** This transcript includes the GPA and class rank cumulative from grades 9, 10, and 11 as well grade 12 half-year courses.
- **June close of grades date Transcript:** This transcript includes the GPA and class rank cumulative from grades 9-12

KHS Top Ten of the Graduating Class

Killingly High School identifies and recognizes the students with the ten highest GPAs each June, after all courses have been completed over four years of high school. The two students with the highest GPAs at that time are awarded the titles of Valedictorian and Salutatorian.

Seniors will end the school year approximately five days earlier than underclassmen to allow time for grades to close and for the top ten students in the graduating class to be identified. The top ten students will be announced at Class Night, which is held the week prior to graduation.

The Valedictorian and Salutatorian will each have the honor of giving a speech at graduation. More information about the speeches will be provided after Class Night.

Please refer to the yearly KHS calendar on the KHS webpage for specific dates.

***UConn Presidential Scholarship**

UConn requires high schools to submit the names of their top two students after Semester 1 (by March 1st) for consideration for the **UConn Presidential Scholarship**.

The students with the two highest GPAs after **Semester 1 of their senior year** will be submitted to UConn for this scholarship. It is important to note that the UConn Presidential Scholarship is entirely separate from the distinctions of Valedictorian, Salutatorian, or the Top 10 rankings

Course Change Procedure

Students and families should be deliberate in selecting courses, as schedule changes just prior to or during the school year are often challenging. Students should meet with their teachers and school counselors to ensure that their courses are at the appropriate level, meet graduation requirements, and are of interest to them.

Course changes are only allowed at certain times of the year:

1. Prior to the opening of school in August, depending on counselor availability.
2. During the first 10 days of the semester, the add/drop period (September & January)

If students have difficulty with courses, they are expected to communicate with their teachers and utilize existing support available, including Pride and after school. **Only after various interventions have been exhausted should a course change be considered.** After the add/drop period, *Course Withdrawal* Forms (blue forms) are used. The process of changing courses involves collaboration and signatures from teachers, department chairs, parents, and school counselors. Course changes may be reflected on report cards and permanent transcripts. If students drop a course after the 10-day add/drop period of that course, a grade of WP or WF

(Withdrawal Pass or Withdrawal Fail) will appear on their report cards. Withdrawals do *not* affect GPA or class rank but appear on students' transcripts.

College Planning

This guide will help you understand the differences between Killingly High School graduation requirements and those for admissions into 4-year colleges and universities. This guide should help inform your 4-year academic planner and course levels.

Subject	KHS Graduation Requirements	Selective College/University	Highly Selective College/University
English	4 years (any level)	4 years (CP level or higher)	4 years (Honors level or higher)
Math	3 years (any level)	4 years (CP level or higher including Algebra 1, 2, Precalculus, and Geometry)	4 years (CP level or higher including Algebra 1, 2, Precalculus and Geometry)
Social Studies	3 years including American Government & U.S. History	3 years (CP level or higher)	4 years (Honors level or higher)
Science	3 years (any level)	3 years (CP level or higher including Biology, Chemistry and Physics)	4 years (Honors level or higher including Biology, Chemistry and Physics)
World Language	1 year	2-3 years of the SAME language	4 years of the SAME language
Additional Factors	None	-Top 2/3 of class -Minimum SAT scores of 1000 (Math & Reading) -Extracurricular activities that reflect leadership and initiative	-Top 10% of class -Minimum SAT scores of 1300 (Math & Reading) -Extracurricular activities that reflect leadership and initiative

College Credit Options

Students can get a head start in college through enrollment in one or more dual-enrollment options articulated between KHS and local schools. Interested students must complete all of the required applications and registration steps specific to each program by the designated deadline(s).

College Credit Articulations with the University of Connecticut (UCONN), Eastern Connecticut State University (ECSU), and Quinebaug Valley Community College (QVCC). Students who take dual-enrollment courses may earn college credit **AT LITTLE OR NO COST**. Articulation agreements between KHS and various schools provide unique opportunities for students to get a jump on post-secondary certificate or degree programs. Upon successful completion of a course, students may official college transcripts be sent to other colleges as well.

Below are dual-enrollment courses offered at KHS reflecting agreements between QVCC, ECSU & UCONN

KHS Course	QVCC Course/Description	Credit Earned
Accounting 1 & 2	ACCT1130/Financial Accounting	3
Business Management	BUSN1100/Introduction to Business	3
Computer Literacy	CSA1110/Introduction to Software Applications	3
Advanced Technology - Robotics 4	MFG1340/Robotics	3

KHS Course	ECSU Course/Description	Credit Earned
Business Communication	COM230/Public Speaking	3

KHS Course	UCONN Course/Description	Credit Earned
AP Latin 3 or 4	CAMS 3102/Topics in Advanced Latin	3
CP Music Theory	MUSI1011/Music Fundamentals in Ear Training	3
AP Music Theory	MUSI1011 and MUSI1012/Fundamentals in Ear Training II	3/6
Ag Intro to Companion Animals	ANSC 1676/Intro to Companion Animals	3
Ag Intro Environmental Science	NRME 1000/Intro to Environmental Science	3
Ag 2 Plant Science	SPSS 1110/Fundamentals of Horticulture	2
Ag Floriculture	SPSS 2520/Floral Art,SPSS 3530/Advanced Floral Design	4
Ag Biotechnology	SPSS3230/Biotechnology	3
Ag Nursery/Landscape	SPSS 1100/Turfgrass Management	3

2. Advanced Placement Courses

Killingly High School offers several Advanced Placement (AP) courses that follow the suggested Advanced Placement Program course outline. Students who take AP courses can earn college credit if they take and pass the Advanced Placement Test with a score high enough to satisfy their college or university's requirement (typically a 3 or higher).

3. CT State Community College - Quinebaug Valley (QVCC) "Partnership Program"

This is an opportunity for a junior or senior with a minimum of 3.0 GPA to enroll in **one free** semester course at QVCC (pending available funding). Students are encouraged to take advanced classes at QVCC through the Partnership Program. One college class per semester is typically provided at no cost. The course can be transferred to the high school at the end of the semester for credit (1/2 credit), although stipulations to this may apply. QVCC will waive the tuition, college fee, and application fee for this program. Credits earned from the Partnership Program may transfer to the

colleges after graduation. Students must take a Basic Skills Assessment for placement in some classes, as well as pay for required textbooks.

4. CT State Community College - Quinebaug Valley (QVCC) “Running Start” Program

This program allows **12th grade students** to spend their senior years at QVCC, where they are able to earn dual enrollment credit to meet both high school (KHS) and college requirements. This program is open to seniors who hold a minimum GPA of 2.8. Students must obtain a recommendation from their school counselor and permission from a parent/guardian. Application deadlines are in late May for the fall semester and November for the spring semester and ***should be done in the student’s junior year.*** Participating students are assigned a college advisor who is familiar with their needs and high school requirements. Students must maintain a full-time semester schedule (4 courses at QVCC), as well as meet their remaining high school graduation requirements. All expenses for this program are paid by the student/family. **Financial Aid is not available.** (One class per semester *may be* free, per criteria of the “High School Partnership Program”).

5. CT State Community College - Quinebaug Valley (QVCC) College Course

A high school student who is 16 years or older and who has maintained a 3.0 or higher GPA may elect to take a college-level course (100 level or higher) for dual credit. All expenses are paid by the student/family. Students can transfer course credits to KHS for high school credit (1/2 high school credit for semester college courses). These courses will be excluded from GPA/rank calculations.

AVAILABLE COURSES (By Department)

AGRICULTURAL EDUCATION DEPARTMENT

<i>Course No.</i>	<i>Title</i>	<i>Level</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>DES..</i>
AGECP1870	Agriculture Education 1 CP	College Prep	1	Year	9	STEM
AGECP1900	Supervised Agricultural Experience	College Prep	.5	Year	10-12	EITHER
AGECP1850	AG 2 Env Sci Aqua CP	College Prep	1	Semester	10	STEM
AGEEC1851	AG 2 Plant Science ECE	ECE	1	Semester	10	STEM
AGECP1852	AG 2 Ag Engineering CP	College Prep	1	Semester	10	STEM
AGECP1853	AG 2 Animal Science CP	College Prep	1	Semester	10	STEM
AGECP1857	AG 2 Food Science and Biotechnology	College Prep	1	Semester	10	STEM
AGECP1864 & AGECP1865	Ecology of Fish and Wildlife PT1 & PT2 CP (must register for both)	College Prep	1.5	Year plus semester	11-12	STEM
AGEEC1858 & AGEEC1859	Floriculture PT1 & PT2 ECE (must register for both)	ECE	1.5	Year plus semester	11-12	HUM/ ARTS
AGECP1866 & AGECP1867	AG Power & Technical Systems PT 1 & PT 2 CP (must register for both)	College Prep	1.5	Year plus semester	11-12	STEM
AGECP1838 & AGECP1839	Agricultural Structural Systems PT 1 & PT 2 CP (must register for both) *	College Prep	1.5	Year plus semester	11-12	STEM
AGECP1890 & AGECP1891	Production Animal Science Y1 PT 1 & PT 2 CP (must register for both)	College Prep	1.5	Year plus semester	11-12	STEM
AGECP1862 AGECP1863	Nursery/Landscape PT1 & PT 2 AP (must register for both) - ECE	ECE	1.5	Year plus semester	11-12	EITHER /ARTS
AGEEC1862 & AGEEC1863	Intro to Companion Animal ECE PT1 & 2 (must register for both)	ECE	1.5	Year plus semester	11-12	STEM
AGEEC1868 & AGEEC1869	Biotechnology UConn PT1 & 2 ECE (must register for both)	ECE	1.5	Year plus semester	11-12	STEM
AGEEC1895 & AGEEC1896	Intro to Environmental Science PT 1 & 2 ECE (must register for both)	ECE	1.5	Year plus semester	11-12	STEM
AGECP1848 & AGECP1948	Principles of Food Science PT 1 & 2 CP (must register for both)	College Prep	1.5	Year plus semester	11-12	STEM
AGECP1868	Aquaculture and Aquaponics	College Prep	.5	Semester	10-12	STEM
AGECP1869	Projects in Agricultural Mechanics	College Prep	.5	Semester	10-12	STEM
AGECP1873	Equine Science	College Prep	.5	Semester	10-12	STEM
AGECP1844	Projects in Plant Science	College Prep	.5	Semester	10-12	STEM
AGECP1845	Behavior & Training of Dom. Animals	College Prep	.5	Semester	10-12	STEM
AGECP1849	Sustainable Food Production	College Prep	.5	Semester	9-11	STEM
AGECP1889	Agricultural Student Leader	College Prep	.5/1	Semester/ Year	11-12	EITHER

AGRICULTURE EDUCATION 1

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	None	1	Year	9	STEM

This course, which is only available to students accepted into the Ag-Ed Program, is an introduction to topics related to agriculture, animal science, plant science, agricultural engineering, environmental science, aquaculture, and leadership. FFA (leadership activities) including membership in the Killingly FFA Chapter and Career Exploration through the development of a Supervised Agricultural-Experience (SAE) project are intra-curricular components of this course and the Killingly Agricultural Education Program.

SUPERVISED AGRICULTURAL EXPERIENCE

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	AgEd 1	.5	Year	10-12	STEM/HUM

This course meets the Financial Literacy graduation requirement.

All students enrolled in Ag Education courses (except Ag Education 1) are required to enroll in the .5 credit Supervised Agricultural Experience (SAE) course. Supervised Agricultural Experience (SAE) is a student-led, instructor/parent supervised, work-based learning experience that results in measurable outcomes aligned with Agriculture, Food and Natural Resources (AFNR) Technical Standards and Career Ready Practices. It is aligned to a career plan of study. Students are expected to work with their teacher and guardians to develop an individualized SAE plan with learning objectives, continually work towards those goals and demonstrate the ability to reflect on their learning. This course does not have regular meeting times during the school day. Teachers, parents, and students utilize electronic communication, the intervention period, scheduled appointments (in or outside of school hours) and the summer SAE visit to collaborate on SAE goals, opportunities, improvements, or assessments.

AG 2 ENVIRONMENTAL SCIENCE AND AQUACULTURE

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	AgEd 1	1	Semester	10	STEM/HUM

This course is designed for students who have completed Ag 1 with an interest in the environmental sciences including resource conservation, soil science, wildlife management, water quality, forestry, aquaculture, aquaponics and sustainable agriculture. Students will be expected to participate in hands-on work outdoors and in the aquaculture and aquaponics lab, as well as complete oral and written assignments. Membership in the Killingly FFA Chapter and continuing to develop a Supervised Agriculture Education (SAE) project are intra-curricular components of the Killingly Agricultural Education Program. *Students enrolled in this course must also enroll in the .5 credit Supervised Agricultural Experience course.*

AG 2 PLANT SCIENCE UCONN ECE (SPSS1110)

Level	Prerequisites	Credit	Duration	Grade	Designation
ECE	AgEd 1	1	Semester	10	STEM

To earn the 3 available UCONN credits, students must complete the UCONN Early College Experience (ECE) application and enrollment steps, and submit any applicable course fees.

This course is designed for students who have completed Ag 1 with an interest in Horticulture. Students will be expected to participate in hands-on work in the greenhouse as well as complete oral and written assignments. Material covered will include Soil Science, Plant Anatomy and Physiology, Plant Growing Environments, and Plant Reproduction. Membership in the Killingly FFA Chapter and continuing to develop a Supervised Agriculture Education (SAE) project are intra-curricular components of the Killingly Agricultural Education Program. *Students enrolled in this course must also enroll in the .5 credit Supervised Agricultural Experience course.*

AG 2 AGRICULTURAL ENGINEERING

Level	Prerequisites	Credit	Duration	Grade	Designation
College Prep	AgEd 1	1	Semester	10	STEM

This course is for students who have completed Ag 1 with an interest in a career related to Agricultural Engineering. Students will learn how to safely operate shop and farm equipment. They will utilize content, skills and problem-solving strategies through shop and land laboratory experiences. Skills in physics, geometry, and algebra are reinforced in this course. Membership in the Killingly FFA Chapter and developing a Supervised Agriculture Education (SAE) project are intra-curricular components of the Killingly Agricultural Education Program. *Students enrolled in this course must enroll in the .5 credit Supervised Agricultural Experience course.*

AG 2 ANIMAL SCIENCE

Level	Prerequisites	Credit	Duration	Grade	Designation
College Prep	AgEd 1	1	Semester	10	STEM

This course is designed for students who have completed Ag 1 with an interest in Animal Science. In this course students will be introduced to the animal science industries. Topics for the course include animal health, genetics, veterinary science, anatomy and physiology, and animal husbandry. Students will be expected to participate in hands-on work in the animal lab as well as complete oral and written assignments. Membership in the Killingly FFA Chapter and continuing to develop a Supervised Agriculture Education (SAE) project are intra-curricular components of the Killingly Agricultural Education Program. *Students enrolled in this course must also enroll in the .5 credit Supervised Agricultural Experience course.*

AG 2 FOOD SCIENCE AND BIOTECHNOLOGY

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	AgEd 1	1	Semester	10	STEM

In this course, students will be introduced to the food science and biotechnology industries. An emphasis will be placed on the connection between human health, animal health, and environmental health, and how they influence food science and biotechnology technologies. Students will explore several topics related to food science and biotechnology including food safety and handling, food labeling and marketing, biotechnology used in research, and DNA biotechnology. Membership in the Killingly FFA Chapter and continuing to develop a Supervised Agriculture Education (SAE) project are intra-curricular components of the Killingly Agricultural Education Program. *Students enrolled in this course must also enroll in the .5 credit Supervised Agricultural Experience course.*

AG COURSES FOR JUNIORS AND SENIORS

ECOLOGY OF FISH AND WILDLIFE

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	AG 2 Env Sci Aqua CP	1.5	Year	11-12	STEM

This course provides a more in-depth study of the principles of ecology and the life history of wildlife found in Northeastern United States. This course also covers basic units in taxonomic classification, environmental law, history of conservation and other similar topics. Students will be expected to participate in hands-on work outdoors and in the aquaculture and aquaponics lab, as well as complete oral and written assignments. Membership in the Killingly FFA Chapter and continuing to develop a Supervised Agriculture Education (SAE) project are intra-curricular components of the Killingly Agricultural Education Program. *Students enrolled in this course must also enroll in the .5 credit Supervised Agricultural Experience course.*

FLORICULTURE (UCONN courses SPSS2520 and SPSS3530)

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
ECE	AG 2 Plant Science	1.5	Year	11-12	HUM/ARTS

To earn the 3 available UCONN credits, students must complete the UCONN Early College Experience (ECE) application and enrollment steps, and submit any applicable course fees.

This course builds skills important to careers in greenhouse and field production management, garden center and floral shop management, and floral design. Membership in the Killingly FFA Chapter and continuing to develop a Supervised Agriculture Education (SAE) project are intra-curricular components of the Killingly Agricultural Education Program. *Students enrolled in this course must also enroll in the .5 credit Supervised Agricultural Experience course.*

AGRICULTURAL POWER AND TECHNICAL SYSTEMS (NOT OFFERED IN 2026-27)

Level	Prerequisites	Credit	Duration	Grade	Designation
College Prep	AG 2 Ag Engineering	1.5	Year	11-12	STEM

Students will learn content, skills and problem-solving strategies related to Agricultural Engineering through shop and land laboratory experiences. Content may include agricultural drafting and design, wood construction, hydraulic systems, small engine maintenance and repair, metal fabrication, electrical wiring, maintenance of agricultural machinery, equipment, and tractors. Skills in physics, geometry, and algebra are reinforced in this course. Safety is incorporated throughout. Membership in the Killingly FFA Chapter and continuing to develop a Supervised Agriculture Education (SAE) project are intra-curricular components of the Killingly Agricultural Education Program. *Students enrolled in this course must also enroll in the .5 credit Supervised Agricultural Experience course.*

AGRICULTURAL STRUCTURAL SYSTEMS

Level	Prerequisites	Credit	Duration	Grade	Designation
College Prep	AG 2 Ag Engineering	1.5	Year	11-12	STEM

Students will learn content, skills and problem-solving strategies related to Agricultural Engineering through shop and land laboratory experiences. Content may include agricultural fencing, land surveying, metal fabrication, concrete construction, building construction, plumbing, electrical wiring, maintenance of agricultural machinery, equipment, and tractors. Skills in physics, geometry, and algebra are reinforced in this course. Safety is incorporated throughout. Membership in the Killingly FFA Chapter and continuing to develop a Supervised Agriculture Education (SAE) project are intra-curricular components of the Killingly Agricultural Education Program. *Students enrolled in this course must also enroll in the .5 credit Supervised Agricultural Experience course.*

PRODUCTION ANIMAL SCIENCE

Level	Prerequisites	Credit	Duration	Grade	Designation
College Prep	AG 2 Animal Science	1.5	Year	11-12	STEM

Students will learn the management, care, and marketing of the farm animals. Other topics include livestock selection, genetics, nutrition, common diseases and parasites, veterinary science, careers in the animal industry, animal products, and reproduction of farm animals. Course includes units in anatomy and physiology with dissection. Membership in the Killingly FFA Chapter and continuing to develop a Supervised Agriculture Education (SAE) project are intra-curricular components of the Killingly Agricultural Education Program. *Students enrolled in this course must also enroll in the .5 credit Supervised Agricultural Experience course.*

NURSERY/LANDSCAPE (SPSS 1100)

Level	Prerequisites	Credit	Duration	Grade	Designation
ECE	AG 2 Plant Science	1.5	Year	11-12	EITHER/ARTS

To earn the 3 available UCONN credits, students must complete the UCONN Early College Experience (ECE) application and enrollment steps, and submit any applicable course fees.

This course is open to juniors and seniors in the agricultural education department. It builds skills important to careers in landscape design and maintenance, turf grass and athletic field management, as well as maintaining landscape plants and related products. Membership in the Killingly FFA Chapter and developing a Supervised Agriculture Education (SAE) project are intra-curricular components of the Killingly Agricultural Education Program. *Students enrolled in this course must also enroll in the .5 credit Supervised Agricultural Experience course.*

INTRODUCTION TO COMPANION ANIMALS (ANSC 1676)

Level	Prerequisites	Credit	Duration	Grade	Designation
ECE	AG 2 Animal Science	1.5	Year	11-12	STEM

To earn the 3 available UCONN credits, students must complete the UCONN Early College Experience (ECE) application and enrollment steps, and submit any applicable course fees.

The objective of this course is to familiarize students with companion animals including cats, dogs, rodents, exotics, and horses. Topics that will be discussed include basic concepts of nutrition, anatomy and physiology, health and disease, careers working with companion animals, and management of companion animals. Students will be able to interact with a variety of the animals that they are studying throughout the course. Membership in the Killingly FFA Chapter and continuing to develop a Supervised Agriculture Education (SAE) project are intra-curricular components of the Killingly Agricultural Education Program. *Students enrolled in this course must also enroll in the .5 credit Supervised Agricultural Experience course.*

BIOTECHNOLOGY (UCONN course SPSS3230)

Level	Prerequisites	Credit	Duration	Grade	Designation
ECE	AG 2 Plant Science, Animal Science, OR Food Science	1.5	Year	11-12	STEM

To earn the 3 available UCONN credits, students must complete the UCONN Early College Experience (ECE) application and enrollment steps, and submit any applicable course fees.

This course is designed for students who have completed Ag 2 and have an interest in a career involving animal science, plant science, environmental science, or biotechnology. Biotechnology students will be expected to participate in a variety of lab activities as well as complete written assignments. The overall goal of the course is to have students understand the basic scientific principles, methodologies, controversial topics surrounding biotechnology, and applications used in modern biotechnology. Membership in the Killingly FFA Chapter and continuing to develop a Supervised Agriculture Education (SAE) project are intra-curricular components of the Killingly Agricultural Education Program. *Students enrolled in this course must also enroll in the .5 credit Supervised Agricultural Experience course.*

INTRODUCTION TO ENVIRONMENTAL SCIENCE (NRME 1000)

Level	Prerequisites	Credit	Duration	Grade	Designation
ECE	AG 2 Environmental Science & Aquaculture	1.5	Year	11-12	STEM

To earn the 3 available UCONN credits, students must complete the UCONN Early College Experience (ECE) application and enrollment steps, and submit any applicable course fees.

This course provides an introduction to basic concepts and areas of environmental concern and how these problems can be effectively addressed. Topics include environmental literacy, sustainable use of resources, human population growth; agriculture and our environment, conservation of biodiversity; energy use and conservation and water pollution and management. Students will be expected to participate in hands-on work outdoors and in the aquaculture and aquaponics lab, as well as complete oral and written assignments. Membership in the Killingly FFA Chapter and continuing to develop a Supervised Agriculture Education (SAE) project are intra-curricular components of the Killingly Agricultural Education Program. *Students enrolled in this course must also enroll in the .5 credit Supervised Agricultural Experience course.*

PRINCIPLES OF FOOD SCIENCE

Level	Prerequisites	Credit	Duration	Grade	Designation
College Prep	AG 2 Animal Science OR Food Science	1.5	Year	11-12	STEM

This course is designed to completely immerse students in the food science industry. Students will explore several topics related to the science of food and food production, including food safety and handling, dairy science and meat science. Students will participate in class activities and lab experiments that allow them to develop specific technical skills employers look for within food science. Membership in the Killingly FFA Chapter and continuing to develop a Supervised Agriculture Education (SAE) project are intra-curricular components of the Killingly Agricultural Education Program. *Students enrolled in this course must also enroll in the .5 credit Supervised Agricultural Experience course.*

AGRICULTURE EDUCATION ELECTIVES

AQUACULTURE AND AQUAPONICS

Level	Prerequisites	Credit	Duration	Grade	Designation
College Prep	AgEd 1	.5	Semester	10-12	STEM

The study of raising fish and plants in closed production systems including topics such as system construction, health and feeding of fish, water filtration, and business and marketing in aquaculture and aquaponics production. Students must be prepared to work in the aquaculture and aquaponics lab, as well as complete oral and written assignments.

PROJECTS IN AGRICULTURAL MECHANICS

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	AgEd 1	.5	Semester	10-12	STEM

Students learn basic content and skills in the agricultural shop and land laboratory. Safety, project planning, metal fabrication, and the use of hand and power tools, and machinery, are covered.

EQUINE SCIENCE

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	AgEd 1	.5	Semester	10-12	STEM

The following topics will be covered throughout the course: the history and evolution of the horse, functional anatomy and physiology, common diseases of equines, parasite and disease prevention, nutrition, equine behavior, training methods, riding disciplines, and breeds. The course will include field trips and lab activities.

PROJECTS IN PLANT SCIENCE

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	AgEd 1	.5	Semester	10-12	STEM

Students will learn basic horticultural content and skills in the greenhouse, including care and maintenance. Students must be prepared to work in the greenhouses and outdoors, as well as complete oral and written assignments.

BEHAVIOR AND TRAINING OF DOMESTIC ANIMALS

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	AgEd 1	.5	Semester	10-12	STEM

Students will examine the reasons we domesticated certain animals and how they are used in society. Training methods are explored to get desired behavioral results. Students must be prepared to work in the barn and outdoors with animals.

SUSTAINABLE FOOD PRODUCTION

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	AgEd 1	.5	Semester	9-11	STEM

This course is designed to explore how food production has evolved over time and current research on sustainable agricultural practices. Units emphasize the connection between human health, animal health, and environmental health for students to develop a better understanding of how food production practices influence society. Students participate in class activities and field

trips that explore different sustainable agricultural practices and efforts, as well as engage in meaningful class discussions that center around future agricultural technologies.

ART DEPARTMENT

Course No.	Title	Level	Credit	Duration	Grade	DES.
ARTAP1717	AP Studio Art	AP	1	Year	10-12	EITHER/ARTS
ARTCP1702	Art Exploration	College Prep	.5	Semester	9-12	HUM/ARTS
ARTCP	Illustration	College Prep	.5	Semester	9-12	HUM/ARTS
ARTCP1730	Craft Arts	College Prep	.5	Semester	9-12	HUM/ARTS
ARTCP1704	Drawing 1	College Prep	.5	Semester	9-12	HUM/ARTS
ARTCP1750	Drawing 2	College Prep	.5	Semester	9-12	HUM/ARTS
ARTCP1706	Painting 1	College Prep	.5	Semester	9-12	HUM/ARTS
ARTCP1752	Painting 2	College Prep	.5	Semester	10-12	HUM/ARTS
ARTCP1708	Sculpture 1	College Prep	.5	Semester	9-12	EITHER/ARTS
ARTCP1738	Sculpture 2	College Prep	.5	Semester	9-12	EITHER/ARTS
ARTCP1710	Digital Photography 1	College Prep	.5	Semester	9-12	EITHER/ARTS
ARTCP1732	Digital Photography 2	College Prep	.5	Semester	9-12	EITHER/ARTS
ARTCP1754	Digital Photography 3	College Prep	.5	Semester	10-12	EITHER/ARTS
ARTCP1712	Graphic Design 1	College Prep	.5	Semester	9-12	EITHER/ARTS
ARTCP1734	Graphic Design 2	College Prep	.5	Semester	9-12	EITHER/ARTS
ARTCP1716	Digital Imaging CP	College Prep	.5	Semester	10-12	EITHER/ARTS

All Art Department courses fulfill the Arts requirement

AP STUDIO ART

Level	Prerequisites	Credit	Duration	Grade	Designation
AP	None	1	Year	10-12	EITHER/ARTS

This full-year course is for students committed to studying visual art and developing a portfolio of individualized artwork. There is a heavy focus on process and students' ability to practice, experiment, and revise their work. Student-selected methods and techniques will be explored to communicate their intent. Sketchbook work is required, and a portfolio of work is submitted to the College Board. You must be a Junior or Senior to enroll in this course. There are no course prerequisites, however, previous work in art courses will significantly enhance the level of work you produce.

ART EXPLORATION

Level	Prerequisites	Credit	Duration	Grade	Designation
College Prep	None	.5	Semester	9-12	HUM/ARTS

Students explore a variety of materials and types of art, such as illustration, painting, printmaking, ceramics, and abstraction. Students will develop foundational skills and design concepts while creating 2D and 3D art. Students at all levels will develop vocabulary, design knowledge, and craftsmanship skills to advance their artistic skills and aspirations.

ILLUSTRATION

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	None	.5	Semester	9-12	HUM/ARTS

Students will focus on creating images for specific design and visual communication goals. This studio art course uses primarily traditional, non-digital techniques, to explore illustration as a form of storytelling, design, and problem solving. Projects emphasize original ideas, strong composition, purposeful design choices, and thoughtful use of materials, while still encouraging creativity and personal expression. Painting, drawing tools, as well as other multimedia art tools are used in this course.

CRAFT ARTS

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	None	.5	Semester	9-12	HUM/ARTS

Students explore various materials and art forms that are often left out of the “Fine Arts”. Students dive into the historical context of Craft through making, using materials like clay, cloth, paper, and stone. Students will develop foundational skills through craftsmanship and design. A variety of processes are explored, such as mosaics, printmaking, fiber arts, and ceramics.

DRAWING 1

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	None	.5	Semester	9-12	HUM/ARTS

This course will focus on the fundamentals of drawing. Students will learn the basic steps and techniques of drawing from observation. Students will work with a variety of drawing media and techniques. A range of subject matter will be explored including: still life, portraiture, texture studies, perspective. This course will develop your confidence in your drawing skills to communicate visual facts. No drawing experience is necessary for participation in this course.

DRAWING 2 (NOT OFFERED IN 2026-27)

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	Drawing 1 (70%)	.5	Semester	9-12	HUM/ARTS

This course is open to students who have completed Drawing 1 and have a sincere interest in advancing their drawing skills. Students are introduced to new drawing media and techniques. Students will continue to build observational drawing skills and have more opportunities to explore communicating intent. In addition to learning new subject matter, students will demonstrate problem-solving and idea development skills working with choice narrative art pieces.

PAINTING 1

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	None	.5	Semester	9-12	HUM/ARTS

Students explore fundamental art concepts through the lens of painting and illustration. This course will teach students specific painting and drawing skills, such as color mixing, use of texture, composition, and color theory. Students will explore illustrative concepts through watercolor, gouache, and acrylic. Topics covered include, character design, children's book illustration, product design, textiles, and commercial applications. This course focuses on guiding students through gaining the skills necessary to effectively communicate through the language of art and design.

PAINTING 2

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	Painting 1 (70%)	.5	Semester	10-12	HUM/ARTS

Students will deepen their painting, drawing, and illustrative skills through advanced studies. The course will allow for continued practice to hone skills while tasking students with creating work that resonates with them personally. A larger focus is put on learning illustration industry standards and developing an initial portfolio. Longer form storytelling, character design, typography, and visual composition are some of the topics that this course will cover. Materials include, watercolor, acrylic, gouache, and mixed media.

SCULPTURE 1

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	None	.5	Semester	9-12	EITHER/ARTS

Students enjoy the tactile materials and hands-on experience of creating 3-dimensional art using plaster, clay, wood, stone, and found objects. Students will confront space, weight and balance concerns as they carve, model, and assemble various materials. Students will use a process journal to document all stages of work as they engage in a cycle of gathering ideas, sketching, building small scale experimental works, that aid them in the creation of sculptural works.

SCULPTURE 2

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	Sculpture 1 (70%)	.5	Semester	9-12	EITHER/ARTS

This course is best suited for upperclassmen, those who enjoyed Sculpture 1 and want to gain more skills while pursuing personally meaningful sculpture ideas. Students will explore the wide world of sculpture and work individually and also collaborate as a team to create shared sculpture ideas. Students are required to investigate, document, discuss and revise work to guide

their artistic process. Students will create 3 finished, well crafted, sturdy and unique works of sculpture and turn in a compiled journal that documents their process of ideas to finished works.

DIGITAL PHOTOGRAPHY 1

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	None	.5	Semester	9-12	EITHER/ARTS

In Digital Photography 1 students will learn how to use a DSLR camera in manual mode, as well as basic editing techniques in Adobe Photoshop. Students will participate in a number of projects that explore different photographic concepts such as depth of field and work on developing their understanding of general design principles. The class will also involve critiques, field trips, creating a portfolio of work, and a brief look at the history of photography. This course may be available for honors credit as well, and interested students should inquire with the teacher.

DIGITAL PHOTOGRAPHY 2

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	Digital Photography 1 (70%)	.5	Semester	9-12	EITHER/ARTS

This course covers advanced image making through the exploration of specific photographic genres such as landscape, architectural, street, photojournalism, portraiture, and commercial. Students study the work of professional photographers, generate, and execute original concepts, participate in class critiques, and produce a portfolio of their work. Students grow their knowledge of Adobe Photoshop through the use of masks, Camera RAW, and other advanced editing techniques and be introduced to and work in a professional lighting studio to practice seeing, manipulating, and controlling light to achieve their desired effects. This course may be available for honors credit as well, and interested students should inquire with the teacher.

DIGITAL PHOTOGRAPHY 3

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	Digital Photography 2 (70%)	.5	Semester	9-12	EITHER/ARTS

This course focuses on conceptual photography and experimental photographic techniques. Students will be working with composites, photomontage, long exposures, double exposures, photo transfers, filters, and more. Students will work collaboratively throughout the semester to develop and grow a series of projects that effectively communicate their chosen concepts to a viewer. Students will photograph assignments in school, at home, and on location during field trips. If you are interested in defining your personal aesthetic as a photographer, building a portfolio of work, or simply continuing your interest in all photography has to offer, then this class is for you. Please note: you must have time outside of school to be able to take photographs and be able to work independently to truly be successful in this class! This course may be available for honors credit as well, and interested students should inquire with the teacher.

GRAPHIC DESIGN 1

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	None	.5	Semester	9-12	EITHER/ARTS

This course will introduce students to the field of graphic design. Students will gain a strong understanding of how to creatively use Adobe Illustrator. We will explore the power of Adobe Illustrator by learning the functionality of the various tools available. In addition, we will work on developing the skill of visual communication to transmit messages to target audiences, with specific objectives. Some of the design skills we will cover include illustration, identity, typography, poster, and cover design. No experience is necessary. This course may be available for honors credit as well, and interested students should inquire with the teacher.

GRAPHIC DESIGN 2

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	Graphic Design 1 (70%)	.5	Semester	9-12	EITHER/ARTS

This course is open to students who have completed Graphic Design 1 and wish to continue pursuing knowledge in the area of visual communication. Students in Graphic Design 2 will continue to explore design challenges that require them to create original visual solutions. This course builds on the design foundation covered in Graphic Design 1. In addition to Adobe Illustrator, Adobe Photoshop will be introduced as a design tool. Students will be able to work within both programs to solve design challenges. This course may be available for honors credit as well, and interested students should inquire with the teacher.

DIGITAL IMAGING

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	Digital Photography 1 or Graphic Design 2 (70%)	.5	Semester	9-12	EITHER/ARTS

This course is a Fine Arts approach in computer imaging. Students will be working in Adobe Photoshop to create original works of art using a variety of resources including photographs, scanned objects, digital painting, and more. Students will develop a deep understanding of Adobe Photoshop and create original and heavily manipulated composite images. Professional Digital Artists will be studied as we approach different ways of turning photographs into layered works of art. Digital Photography 1&2 is not a prerequisite, but will enhance the quality of your work in this course. This course may be available for honors credit as well, and interested students should inquire with the teacher.

Some college prep. Art courses may allow students the opportunity to earn honors credit as well. For these courses (see descriptions), 4 of the following expectations are required:

- 1. Take Private lessons/workshops with an approved instructor or online training.**
- 2. Visit an art show, artist opening, or exhibit and write a reflection.**

- 3. Submit a personal work to an approved arts competition.**
- 4. Create a professional online presence via an Instagram account, a website, or some other approved online platform.**
- 5. Be an active member of the after school art department club.**
- 6. Serve as a KHS Art ambassador at a community event.**
- 7. Participate in an approved exhibition.**
- 8. Be involved in a Community Arts project.**
- 9. Go to and take part in a college portfolio review.**
- 10. Participate in a service Arts project.**

BUSINESS & COMPUTER SCIENCE DEPARTMENT

<i>Course No.</i>	<i>Title</i>	<i>Level</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>DES.</i>
BUSCP1611	First-Year Experience	College Prep	.5	Semester	9	HUM
BUSCP1614	Computer Literacy	College Prep	.5	Semester	9-12	STEM
BUSCP1618	Introduction to Business	College Prep	.5	Semester	9-12	HUM
BUSCP1620	Entrepreneurship	College Prep	.5	Semester	10-12	HUM
BUSCP1622	Marketing	College Prep	1	Year	10-12	HUM
BUSCP1624	Business Management	College Prep	1	Year	11-12	HUM
BUSCP1629	Sport Management	College Prep	.5	Semester	10-12	HUM
BUSHN1631	Business Communication	Honors	.5	Semester	11-12	HUM
BUSCP1634	Personal Finance	College Prep	.5	Semester	10-12	HUM/STEM
BUSCP1636	International Business	College Prep	.5	Semester	10-12	HUM
BUSCP1639	Business Law	College Prep	.5	Semester	11-12	HUM
BUSCP1640	Accounting 1	College Prep	1	Year	10-12	STEM
BUSHN1645	Accounting 2	Honors	1	Year	11-12	STEM
BUSHN1647	Accounting 3	Honors	1	Year	12	STEM
BUSCP1659	Hospitality	College Prep	.5	Semester	10-12	HUM
BUSCP1670	Yearbook	College Prep	1	Year	11-12	HUM/ARTS

FIRST-YEAR EXPERIENCE

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	None	.5	Semester	9	HUM

This introductory course is designed as a transition seminar for freshmen students to explore the possibilities after high school. Whether you plan to attend college, join the workforce, or enlist in the military, this class will allow students to develop a personalized educational and career plan. By examining personal interests, strengths and weaknesses, and skills and aptitudes, students will be able to create short- and long-term goals and develop a clear sense of direction for their remaining high school years and beyond. Topics covered include executive functioning skills, goal setting, the decision-making process, budgeting, career research, and the KHS Career Pathways and course selection. Students will complete PGRs #1.2, Career Interest Profiler and #1.3, Follow-up Survey.

COMPUTER LITERACY

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	None	.5	Semester	9-12	STEM

This course may earn college credits through CT State Community College - Quinebaug Valley.

This course will deliver the skills you need to effectively use computers during high school and college. You will learn how to operate effectively within the desktop environment, manage and organize files, manage print jobs, and discuss email etiquette and use of social media. You will

practice creating various projects that are targeted to specific audiences or situations using Word, Excel, PowerPoint and Access. Internet research skills will be expanded. There will be a focus on time management and organization skills, as well as use of rubrics for completing work in a professional manner. Successful completion of this course fulfills the Use of Technology PGR #2. Other PGRs covered in this class include: #1.5, Application for Employment, #1.6, Cover Letter, Resume, References.

INTRODUCTION TO BUSINESS

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	None	.5	Semester	9-12	HUM

This fun, interactive course will give you the opportunity to experience many different aspects of the business world. Learn how to invest in stocks by playing the stock market game using an online platform, develop team-building skills, create advertising campaigns, use a checkbook, create presentations, and much more. Explore business topics including entrepreneurship, economics, banking/finance, and marketing using a hands-on approach to learning. No textbooks here . . . just exciting activities to showcase how to survive in our ever-changing business world. Students who have taken higher-level business courses should not enroll in this course.

ENTREPRENEURSHIP

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	None	.5	Semester	10-12	HUM

An entrepreneur is a person who organizes, operates, and assumes the risk of a new business. This course introduces you to the principles of entrepreneurship and business ethics as you examine all the major steps involved in starting a new business, including the marketing, financing, managing, and legal aspects. This course provides you with the knowledge needed to realistically evaluate your potential as a business owner. You will develop a business plan and learn what it takes to get an entrepreneurial venture off to a good start. Market research, budgeting, selecting a business location, and financing the business are covered using real-life examples that you can relate to. During the course, the class will start their own business, and implement the skills you learned about being a successful business owner.

MARKETING

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	None	1	Year	10-12	HUM

Marketing is everything a business does to place their product or service in the hands of potential customers. This includes selecting the right product, price, placement and most importantly, promotion. Every commercial, ad, email, junk mail, package we see, and website we visit makes us a part of marketing every day. We as consumers get to decide which products or services are successful based on what we purchase. We will learn about market research, understanding the

customer, product development, advertising, pricing, marketing plans, and much more. The Virtual Business – Retailing simulation will also be used.

BUSINESS MANAGEMENT

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	None	1	Year	11-12	HUM

This course may earn college credits through CT State Community College - Quinebaug Valley

Successful managers are able to organize, lead, and direct the employees of a business. They are leaders who understand the benefits of teamwork. They recognize the importance of technology and information management in the decision-making process and the value of ethics and social responsibility in building and maintaining business relationships. You will examine difficult ethical issues and develop team leadership skills. Concepts will be reinforced through participation in many hands-on activities designed to simulate real-world business situations. You will apply your new skills through managing the school store, **The Red Zone**.

SPORT MANAGEMENT

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	None	.5	Semester	10-12	HUM

This course is an introduction to the structure of the sports industry and the variety of career opportunities in the area. The value of professional management to sports organizations will be emphasized. Attention will be given to the current issues facing sport organizations and the management techniques used to solve these problems. Students will work in teams and compete against each other in a Virtual Business – Sports Simulation. Each team will operate a football franchise through a series of lessons, a new franchise project, and multiplayer competitions.

BUSINESS COMMUNICATION

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
Honors	None	.5	Semester	11-12	HUM

This course may earn college credits through ECSU.

This course is an introduction to the principles of communication as they apply to situations in the workplace. Topics include listening skills; interpersonal communication in the workplace; organizational culture and diversity; interviewing skills; communicating in groups, teams, and meetings; and developing effective presentations. Students will learn how to prepare, practice, and deliver professional speeches. Emphasis will be placed on professional business writing skills as well as analytical reading strategies.

PERSONAL FINANCE

Level	Prerequisites	Credit	Duration	Grade	Designation
College Prep	None	.5	Semester	10-12	HUM/STEM

This course meets the Financial Literacy graduation requirement.

No matter what career field you choose, or how much money you make, you will need to carefully manage your finances. Using real-world applications, this course will guide you to becoming a more knowledgeable money manager and will assist you in making informed decisions to reach personal financial goals. By the end of this semester course, you should have the skills necessary to help you become a financially capable student and adult. Topics include banking, investing, credit, insurance, taxes, budgeting, and paying for college.

INTERNATIONAL BUSINESS

Level	Prerequisites	Credit	Duration	Grade	Designation
College Prep	None	.5	Semester	10-12	HUM

International Business is designed to help students develop the appreciation, knowledge, and skills needed to live and work in a global marketplace. This course will raise awareness of the cultural and political business customs and practices of many different countries. Students will have the opportunity to explore the basic concepts essential to international finance, management, marketing, and trade relations. Upon completion, students will understand how and why businesses choose to expand their operations into other nations.

BUSINESS LAW

Level	Prerequisites	Credit	Duration	Grade	Designation
College Prep	None	.5	Semester	11-12	HUM

Business Law is designed to introduce students to the study of law through a brief look at the origin of law, the U.S. legal system, ethics, functions of the federal and state court systems, civil and criminal law, and contracts. This course will help students become aware of their rights and responsibilities so they can function as responsible citizens in their personal and professional lives. This course will provide an insight to the numerous careers offered within this field of study. Students will also have the opportunity to practice their argumentative and debating skills in a respectful atmosphere. Students may participate in a job shadow opportunity at Brooklyn Correctional Institution.

ACCOUNTING 1

Level	Prerequisites	Credit	Duration	Grade	Designation
College Prep	None	1	Year	10-12	STEM

This course may be taken as a third-year mathematics credit.

This hands-on course focuses on double-entry financial accounting. A complete accounting cycle is presented from the opening entry through the preparation and interpretation of financial reports using generally accepted accounting principles for a service business. Students may earn college credit by successfully completing Accounting 1 and 2 and enrolling in the Concurrent Enrollment Program through CT State Community College - Quinebaug Valley.

ACCOUNTING 2

Level	Prerequisites	Credit	Duration	Grade	Designation
Honors	Accounting 1	1	Year	11-12	STEM

This course may earn college credits through CT State Community College - Quinebaug Valley

This fast-paced course continues to develop understanding and competence in the basic accounting principles acquired in Accounting 1. Emphasis will be on the accounting procedures for a merchandising business. Whether you plan to start a company or pursue a career, you will find that a solid understanding of the financial aspects of business activity is highly desirable. Emphasis will be placed on interpreting and analyzing financial statements to evaluate the performance of an organization. Students may earn college credit by successfully completing Accounting 1 and 2 and enrolling in the Concurrent Enrollment Program through CT State Community College - Quinebaug Valley.

ACCOUNTING 3

Level	Prerequisites	Credit	Duration	Grade	Designation
Honors	Accounting 2	1	Year	12	STEM

Advanced accounting concepts for a merchandising corporation will be discussed, and accounting software used in an automated accounting cycle will be introduced. Emphasis will be placed on interpreting and analyzing financial statements to evaluate the performance of an organization. Independent, inquiry-based study will be stressed to expose students to a higher level of learning. Students will explore topics in various accounting disciplines including cost accounting, managerial accounting, and forensic accounting.

HOSPITALITY

Level	Prerequisites	Credit	Duration	Grade	Designation
College Prep	None	0.5	Semester	10-12	HUM

Do you like to travel? Go out to eat? Stay in a hotel? Did you ever think about the people it takes to make those experiences so memorable? This introduction to hospitality course is designed to provide students with an overview of several potential career opportunities within the industry including restaurants, hotels, resorts, theme parks, entertainment venues, casinos, cruise lines and event planning. Students will be introduced to the many local tourist attractions within eastern Connecticut and its surrounding areas. The Virtual Business – Hotel simulation will also be used.

YEARBOOK

Level	Prerequisites	Credit	Duration	Grade	Designation
College Prep	Recommendation of Yearbook Instructor	1	Year	11-12	HUM/ARTS

This course may be repeated for credit.

Yearbook is a course open to students who are interested in leadership positions in yearbook production. As part of the Yearbook team, you will learn and apply skills in journalism, business, and technology. You'll also learn soft skills like communication, creative thinking, leadership, time management, problem solving, and team building. You'll work with a publisher, businesses, have real publishing deadlines and publish a book to be proud of at the close of the year. You may be expected to work and complete tasks outside of classroom time as needed.

ENGLISH DEPARTMENT

<i>Course No.</i>	<i>Title</i>	<i>Level</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>DES.</i>
ENGHN1010	Honors English 1 *	Honors	1	Year	9	HUM
ENGCP1012	CP English 1 *	College Prep	1	Year	9	HUM
ENGHN1020	Honors English 2 *	Honors	1	Year	10	HUM
ENGCP1022	CP English 2 *	College Prep	1	Year	10	HUM
ENGGN1024	General English 2 *	General	1	Year	10	HUM
ENGAP1032	AP English Lang. and Comp. 3 *	AP/ECE	1	Year	11	HUM
ENGHN1032	Honors American Literature 3 *	Honors	1	Year	11	HUM
ENGCP1034	CP American Literature 3 *	College Prep	1	Year	11	HUM
ENGGN1036	General American Literature 3 *	General	1	Year	11	HUM
ENGAP1042	AP English Lit. and Comp. 4 *	AP	1	Year	12	HUM
ENGHN1041	Honors English 4 *	Honors	1	Year	12	HUM
ENGCP1042	CP English 4 *	College Prep	1	Year	12	HUM
ENGGN1044	General English 4	General	1	Year	12	HUM
ENGCP1062	Creative Writing CP	College Prep	.5	Semester	9-12	HUM
ENGCP1080	Journalism 1	College Prep	1	Year	10-12	HUM
ENGHN1082	Journalism 2	Honors	1	Year	11-12	HUM
ENGCP1086	Theatre Arts	College Prep	.5	Semester	9-12	HUM/ARTS

* *NCAA approved course*

HONORS ENGLISH 1

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
Honors	Grade 8 Teacher Rec.	1	Year	9	HUM

Aligned with Connecticut's Core Standards, this accelerated course helps develop proficiency in reading, writing, speaking, listening, and language skills. In literature, emphasis is placed upon both fiction and non-fiction, including the study of short stories, poetry, dramas, novels, speeches and essays. Composition skills and vocabulary are developed in conjunction with literary study. Students take part in group projects and are required to make oral presentations. Students write in-depth critical essays on all novels as well as a research paper.

CP ENGLISH 1

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	None	1	Year	9	HUM

Aligned with Connecticut's Core Standards, this course helps develop proficiency in a wide spectrum of reading, writing, speaking, listening, and language skills. In literature, emphasis is placed upon both fiction and non-fiction, including the study of short stories, poetry, dramas, novels, speeches, and essays. Composition skills and vocabulary are developed in conjunction with literary study. Students take part in group projects and are required to make oral presentations. Students write critical essays on all novels as well as a research paper.

HONORS ENGLISH 2

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
Honors	Grade 9 Teacher Rec.	1	Year	10	HUM

This course is an accelerated program designed to refine analytical thinking and writing skills for students who have already exhibited competency in interpretation and response to literature. It offers a study of literature, represented through classic and contemporary examples of poetry, dramas, short stories, and novels. The class is reading and writing intensive, typically demanding the study of a major literary piece every three to four weeks. Students submit revised drafts throughout the writing process of each major analytical essay and write a research paper.

CP ENGLISH 2

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	Grade 9 English	1	Year	10	HUM

This course develops the student's ability to understand, discuss, and write critically about literature according to the study of the conventions of the short story, novel, drama, essay, and poetry. Composition stresses refinement of structure and organization of critical essay writing, as well as proper grammar and mechanics. In addition to writing critical essays about each novel, students write a research paper and write creatively. Students take part in class discussions as well as research and present a speech.

GENERAL ENGLISH 2

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
General	Grade 9 English	1	Year	10	HUM

This course develops the student's ability to understand, discuss, and write critically about literature according to the study of the conventions of the short story, novel, drama, essay, and poetry. Composition stresses refinement of structure and organization of critical essay writing, as well as proper grammar and mechanics. In addition to writing critical essays about each novel, students write a research paper and write creatively. Students take part in class discussions and present a speech.

AP ENGLISH LANGUAGE AND COMPOSITION

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
AP/ECE	Grade 10 Teacher Rec.	1	Year	11	HUM

The AP English Language and Composition course focuses on instruction in academic writing through interdisciplinary reading. Students engage with nonfiction texts through close reading, the study of rhetoric, and discussion. Writing assignments emphasize interpretation,

argumentation, and reflection. The course stresses revision of formal assignments and instruction on grammar, mechanics, and style. Students will write a minimum of thirty pages of revised, formal prose and design a couple of multimodal compositions. In addition to drafted pieces, students practice timed writing, read extensively outside of class, and conduct presentations.

HONORS AMERICAN LITERATURE 3

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
Honors	Grade 10 Teacher Rec.	1	Year	11	HUM

THE DEVELOPMENT AND ANALYSIS OF AMERICAN LITERATURE

Honors American Literature 3 is an accelerated program open to students who have exhibited superior ability in reading, sophistication in the use of language, and skill in discerning levels of meaning in language and literature. Students should be independent learners. The course covers a wide range of time periods as well as cultural and literary movements such as Native Americans, Puritans, Transcendentalism, Romanticism, and twentieth-century authors. The historical development of American literature, with a survey of selected poetry, dramas, short stories, essays, and novels, serves as a basis for class discussion, bi-weekly formal thesis essays, and a research paper. Creative writing is stressed as a means by which students demonstrate their understanding of interpretive and analytical applications of authors' ideas discussed throughout the course. This course is writing intensive. Students will prepare daily reading assignments and take part in classroom discussions. Summer reading is a requirement.

CP AMERICAN LITERATURE 3

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	Grade 10 Teacher Rec.	1	Year	11	HUM

THE DEVELOPMENT OF AMERICAN LITERATURE

This course is designed to enhance students' ability to analyze, interpret, and respond to literature. The course focuses on students developing their own voice in both oral presentations and written expression. It is topically concerned with the study of American literature ranging from the Native Americans, Puritan/Colonial Period, Romanticism, Transcendentalism, and the Modern Age. The course emphasizes understanding of the historical development of American literature through the study of historical context, lifestyles, culture, and literary genres. Students are expected to write critical essays, complete a research paper, and develop creative writing skills. Students will research, write, and deliver speeches as well as work in groups.

GENERAL AMERICAN LITERATURE 3

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
General	Grade 10 Teacher Rec.	1	Year	11	HUM

THE AMERICAN EXPERIENCE

Students learn about American literature from Native American, Puritan/Colonial, a Romantic/Transcendental, and Modern Periods. A critical approach to thematic understanding is emphasized through both in-class discussions and reflective writing. The course is designed to enhance a student's ability to analyze, interpret, and respond to literature. Course content focuses on the historical development of American literature through the study of historical context, lifestyles, culture, and literary genres. Students do expository writing, investigatory writing, and creative writing. Students will research, write, and present formal speeches.

AP ENGLISH LITERATURE AND COMPOSITION

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
AP	Grade 11 Teacher Rec.	1	Year	12	HUM

AP English Literature and Composition provides a study of selections of poetry, dramas, short stories, novels, and literary criticisms representing world literature from a wide range of time periods. The course focuses on close reading, analysis and interpretation of literature. Reading and discussion leads to analytical writing. The study of composition includes a review of sentence and paragraph structure leading to writing that demonstrates depth of insight and interesting style. Literature is studied historically and comparatively regarding theme, structure, character, narration, style, literary device, and symbol where the student is given ample opportunity to demonstrate an individual critical approach and thematic understanding both in class discussion and composition.

HONORS ENGLISH 4

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
Honors	Grade 11 Teacher Rec.	1	Year	12	HUM

This course is an accelerated program that introduces the student to selections of literature from various time periods and genres. Emphasis is placed on the historical development of poetry, drama, the essay, the short story, and the novel. Students are given ample opportunity to refine analytical and writing skills and demonstrate their critical approach and thematic understanding of literature through class discussions, oral presentations, essays, a research paper, and a personal essay. The class is reading and writing intensive, typically demanding the study of a major literary piece every three to four weeks. Students submit revised drafts throughout the writing process of each major analytical essay and write a major literary research paper.

CP ENGLISH 4

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	Grade 11 Rec.	1	Year	12	HUM

This course introduces the student to selections of literature from various time periods and genres including poetry, drama, the essay, the short story, and the novel. Students are given ample opportunity to demonstrate their critical approach and thematic understanding of literature through class discussions, oral presentations, essays, a research paper, and a personal essay.

GENERAL ENGLISH 4

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
General	Grade 11 Rec.	1	Year	12	HUM

This course introduces students to selections of world literature. Emphasis is placed on language and composition skills. Other major areas of concentration include vocabulary development, public speaking, and library research. Students are exposed to school-to-career materials, timely issues paralleled with literary topics, and a variety of genres through multimedia experiences.

ENGLISH ELECTIVES

These classes are meant to enhance learning experiences beyond the core English courses.

CREATIVE WRITING

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	None	.5	Semester	9-12	HUM

This course takes a student-centered approach to creative writing, offering a range of strategies to help students develop as writers and encouraging students to value their own resources of memory, observation, and voice. The emphasis is highly practical with exercises and activities designed to ignite and sustain writing impulses. The course begins with an introduction to the creative process and focuses on building a daily discipline. This is followed by demonstration and practice of the three most popular forms: fiction, poetry, and life writing.

JOURNALISM 1

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	None	1	Year	10-12	HUM

Students learn different techniques of communication in the mass media by developing skills in gathering information, interviewing, building stories, editing, preparing headlines, writing leads and captions, resulting in the production of *The Redline*, the school newspaper. Each year, students produce several issues of the school's newspaper; the publication is submitted for review in regional competitions.

JOURNALISM 2

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
Honors	Journalism 1	1	Year	11-12	HUM

This course is an extension of Journalism 1 (ENGCP1080). Students supervise the managerial aspects of journalism, including layout, editing, and publishing. At this point, students will know how to produce a newspaper on their own. Students will produce a literary journal, as well as the school newspaper, *The Redline*.

THEATRE ARTS

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	None	.5	Semester	9-12	HUM/ARTS

This course may be repeated for credit

This course is for the student interested in developing skills in dramatic arts. Students must take an active part in dramatic presentations in the classroom and on the stage. They will rehearse skits, scenarios and plays. Other areas are technical in nature and include lighting, set design, costume design, makeup, stage movement, and history of the theater.

FAMILY & CONSUMER SCIENCE DEPARTMENT

<i>Course No.</i>	<i>Title</i>	<i>Level</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Design.</i>
FCSCP1510	Child Development 1	College Prep	.5	Semester	9-12	HUM
FCSCP1512	Child Development 2	College Prep	.5	Semester	10-12	HUM
FCSCP1516	Early Childhood Education	College Prep	1	Year	11-12	HUM
FCSGN1520	Foods & Nutrition 1	General	.5	Semester	10-12	EITHER
FCSGN1522	Foods & Nutrition 2	General	.5	Semester	10-12	EITHER

CHILD DEVELOPMENT 1

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	None	.5	Semester	9-12	HUM

This course is designed for students who foresee themselves in careers/jobs working with children, as future parents and/or caregivers, and for those who would like to learn about the impact of childhood on growth and learning. This course includes events in early childhood, birth to 2.9 years of age, and physical, social/emotional, and intellectual development. Students participate in a variety of learning experiences, class discussions, and projects, and work in collaboration with the EASTCONN Pre-K Head Start students in the building.

CHILD DEVELOPMENT 2

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	Child Dev. 1	.5	Semester	10-12	HUM

This course is for students who foresee themselves in careers/jobs working with children, as future parents and/or caregivers of children. This course will focus on how the events in childhood, ages 3-6, impact our physical, social/emotional, and intellectual development. Students participate in a variety of learning experiences, including the care of a RealCare infant for a weekend at home. This course takes an in-depth look at children's literature and will explore community resources that impact a child's growth and development. Students will be working with the EASTCONN Pre-K Head Start students in the building.

EARLY CHILDHOOD EDUCATION, Parts 1 & 2

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	Child Dev. 1 & 2 (80%) AND TEACHER RECOMMENDATION	1	Year, pending completion of Part 1	11-12	HUM

This course is intended to prepare students to work in an early childhood classroom setting, or for students who foresee themselves working directly with children and their families in education, social work, or therapeutic environments. Students will spend the first semester of the course on campus in a traditional classroom setting. The second semester will be spent off

campus in an assigned early childhood classroom within the KPS community. Additional on-campus appointments will be available in the Head Start Preschool located within Killingly High School. Students will be observed by their ECE teacher, but under the guidance of the off-campus classroom teacher. Students will be journaling their experiences and learning opportunities and will share with their classmates during assigned on-campus dates.

FOODS & NUTRITION 1

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
General	None	0.5	Semester	10-12	EITHER

Students learn the basics of nutrition, how to understand and follow recipes, and to plan and prepare nutritious and appetizing foods. Students discuss trends in the fast-food industry and mass media that influence teenage decision making. Also, students analyze their current eating habits through myplate.gov. Students participate in several “lab days” throughout the semester where they will be baking/cooking with their peers in our Foods room. All students will participate in a field trip to Stop & Shop where they will shop for ingredients to prepare.

FOODS & NUTRITION 2

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
General	Foods & Nutrition 1	.5	Semester	10-12	EITHER

This course is an advanced study in foods and nutrition that reflects a multicultural approach. Students prepare presentations and meals from different countries while being encouraged to broaden their “culinary horizons” through food tasting labs, guest speakers and field trips. The course includes class discussion, homework, demonstrations, tasting and cooking labs.

MATHEMATICS DEPARTMENT

<i>Course No.</i>	<i>Title</i>	<i>Level</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>DES.</i>
MTHGN1103	Essentials of Algebra 1 – F*	General	1	Year	9	STEM
MTHGN1105	Essentials of Algebra 1 *	General	1	Year	10-12	STEM
MTHGN1114	Essentials of Geometry	General	1	Year	10-12	STEM
MTHGN1108	Essentials of Algebra 2	General	1	Year	10-12	STEM
MTHGN1110	Essentials of Daily Living 1	General	.5	Semester	11-12	EITHER
MTHGN1112	Essentials for Daily Living 2	General	.5	Semester	11-12	EITHER
MTHCP1120	College Prep Algebra 1 – F*	College Prep	1	Year	9	STEM
MTHCP1122	College Prep Algebra 1 *	College Prep	1	Year	10-12	STEM
MTHCP1130	College Prep Algebra 2 *	College Prep	1	Year	10-12	STEM
MTHCP1126	College Prep Geometry *	College Prep	1	Year	9-12	STEM
MTHCP1127	College Prep Geometry - F*	College Prep	1	Year	9	STEM
MTHCP1134	Trigonometry *	College Prep	1	Year	11-12	STEM
MTHHN1123	Honors Algebra 1 *	Honors	1	Year	9	STEM
MTHHN1153	Honors Algebra 2 *	Honors	1	Year	9-12	STEM
MTHHN1144	Honors Calculus *	Honors	1	Year	11-12	STEM
MTHHN1154	Hon. Geometry *	Honors	1	Year	10-12	STEM
MTHAP1160	AP Statistics	AP	1	Year	11-12	STEM
MTHAP1161	AP Precalculus	AP	1	Year	11-12	STEM
MTHAP1158	AP Calculus AB *	AP	1	Year	11-12	STEM
MTHAP1159	AP Calculus BC *	AP	1	Year	11-12	STEM

* *NCAA approved course**

The Mathematics Department is committed to creating an environment where students can reason and communicate mathematically. Thinking critically and logically through mathematics is the basis of every course. Calculator use in all courses is encouraged and recommended, when appropriate. Students should plan on consulting with their math teacher prior to making any course selections. The Mathematics Department recommends four years of mathematics.

Course Level	Grade 9	Grade 10	Grade 11	Grade 12
General	Essentials of Algebra 1	Essentials of Geometry	Essentials of Algebra 2	EDL (1/2)
College Prep.	CP Algebra 1	CP Geometry	CP Algebra 2	Trigonometry
College Prep. <i>(took Algebra 1 in grade 8)</i>	CP Geometry	CP Algebra 2	Trigonometry	Honors Calculus
Honors/AP <i>(no Algebra 1 in grade 8)</i>	Honors Algebra 1	Honors Algebra 2	Honors Geometry	AP Precalculus
Honors/AP <i>(took Algebra 1 in grade 8)</i>	Honors Algebra 2	Honors Geometry	AP Precalculus	AP Calculus-AB

ESSENTIALS OF ALGEBRA 1

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
General	None	1	Year	9-12	STEM

This course uses the highly rated Pre-AP Algebra 1 curriculum along with additional scaffolded instruction and support designed to deepen students' conceptual understanding and skills while filling in prior learning gaps. The course focuses on real-life, problem-based mathematics.

Topics covered include linear Functions, Linear Equations, Systems of Linear Equations and Inequalities, Quadratic Functions, Exponent Properties, and Exponential Functions.

ESSENTIALS OF GEOMETRY

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
General	Ess. or CP Algebra 2	1	Year	10-12	STEM

This course is designed for learners requiring additional support in mathematics. In this course we will develop a logical mathematical system using postulates, definitions, and theorems. Topics covered will include line and angle relationships, congruence, similarity, polygons, circles, and 3-dimensional geometry.

ESSENTIALS OF ALGEBRA 2

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
General	Ess. or CP Algebra 1	1	Year	10-12	STEM

This course is designed for learners requiring additional support in mathematics. The course is a continuation of the study of the skills and concepts covered in Algebra 1. Topics will include functions, inverse functions, quadratic functions, polynomial functions, and exponential functions.

ESSENTIALS OF DAILY LIVING 1 & 2

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
General	3 Previous Math Credits	.5	Semester	12	EITHER

This course fulfills the Financial Literacy graduation requirement. However, it cannot be used to satisfy both a Math credit and the Financial Literacy requirement—students may only count it toward one of the two. To earn a full Math credit or to meet the Financial Literacy requirement, students must complete EDL 1 and EDL 2.

This course should be the last course of a student's math experience. It is designed as an investigation of mathematics usage in everyday life. Topics such as consumer economics, banking and checkbook accounting, income tax and deduction calculation, family budgeting and housing expenses are studied. Mathematical computation and problem-solving skills are

improved through the use of real-world math situations found in everyday life. Students needing a full math credit need to sign up for both EDL 1 & 2.

COLLEGE PREP ALGEBRA 1

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	None	1	Year	9-12	STEM

This course uses the highly rated Pre-AP Algebra 1 curriculum; a real-world, problem-based curriculum which focuses on developing deep conceptual understanding of mathematics, along with additional challenging math curriculum. The aim of Pre-AP Algebra 1 is to prepare students for AP-level courses in high school. We follow a Thinking Classrooms framework which focuses on maximizing the time students spend thinking about challenging math problems during each class.

Topics covered include linear Functions, Linear Equations, Systems of Linear Equations and Inequalities, Quadratic Functions, Exponent Properties, and Exponential Functions.

COLLEGE PREP ALGEBRA 2

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	CP Algebra 1	1	Year	9-12	STEM

This course is a continuation of the study of the skills and concepts covered in Algebra 1. Topics will include functions, inverse functions, quadratic functions, polynomial functions, exponential functions, and logarithmic functions.

COLLEGE PREP GEOMETRY

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	CP Algebra 1	1	Year	9-12	STEM

This course develops a logical mathematical system using postulates, definitions, and theorems. Topics covered will include line and angle relationships, congruence, proofs, transformations, similarity, polygons, circles, and 3-dimensional geometry.

TRIGONOMETRY

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	CP Algebra 2 and CP Geometry	1	Year	10-12	STEM

This course is a prerequisite for Calculus. It uses essential algebra and geometry skills within the curriculum. Topics include circular functions and their applications, inverses of circular functions, solving trigonometric equations, and proof of trigonometric identities.

HONORS ALGEBRA 1

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
Honors	Teacher Rec.	1	Year	9	STEM

This course uses the highly rated Pre-AP Algebra 1 curriculum; a real-world, problem-based curriculum which focuses on developing deep conceptual understanding of mathematics, along with additional challenging math curriculum. The aim of Pre-AP Algebra 1 is to prepare students for AP-level courses in high school. We follow a Thinking Classrooms framework which focuses on maximizing the time students spend thinking about challenging math problems during each class. We cover the same topics as the CP Algebra 1 course at a quicker pace, and with added depth and rigor. This course is designed for highly motivated students showing impressive growth in 8th grade math and who are ready for honors-level in high school.

Topics covered include linear Functions, Linear Equations, Systems of Linear Equations and Inequalities, Quadratic Functions, Exponent Properties, and Exponential Functions.

HONORS ALGEBRA 2

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
Honors	CP or Honors Algebra 1	1	Year	9	STEM

This is an accelerated and competitive course open to students who have the desire to be challenged and who have exhibited superior math skills in College Prep or Honors Algebra 1. Topics covered will include quadratics, polynomials, exponentials, logarithms, inverses, rational functions, matrices, probability, sequences & series, and right triangle trigonometry. Appropriate problem solving utilizing the TI-84+ Graphing Calculator will be integrated throughout the entire course.

HONORS CALCULUS

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
Honors	Trigonometry or AP Pre-Calculus	1	Year	11-12	STEM

This course is designed for students who cannot handle the pace of AP Calculus but want to prepare for future Calculus courses at the college level. Similar material will be taught but at a more manageable pace. The focus of the course will be differentiation and integration. See topics covered in AP Calculus AB.

HONORS GEOMETRY

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
Honors	Honors Algebra 2	1	Year	10-12	STEM

This is an accelerated and competitive course open to students who have the desire to be challenged and who have exhibited superior math skills in College Prep Algebra 2 or Honors Algebra 2. The course will emphasize the coordinate and transformational approach, the development of short sequences of theorems and expressions, and oral and written deductive arguments. Topics will also include congruence, similarity, polygons, circles, and 3-dimensional geometry. Appropriate application problems will be included along with the utilization of the TI-84+ calculator for problem solving.

AP STATISTICS

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
AP	CP or Honors Algebra 2	1	Year	11-12	STEM

This course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. AP Statistics introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes evident in the content, skills, and assessment in the AP Statistics course: exploring data, sampling and experimentation, probability and simulation, and statistical inference. Students will use technology, investigations, problem solving, and writing as they build conceptual understanding.

AP PRECALCULUS

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
AP	CP/Honors Algebra 2 and CP/Honors Geometry	1	Year	11-12	STEM

This course is designed to be the equivalent of a first semester college precalculus course. AP Precalculus provides students with an understanding of the concepts of college algebra, trigonometry, and additional topics that prepare students for further college-level mathematics courses. This course explores a variety of function types and their applications, including polynomial, rational, exponential, logarithmic, trigonometric, polar, parametric, vector-valued, implicitly defined, and linear transformation functions using matrices.

ADVANCED PLACEMENT CALCULUS – AB

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
AP	Trigonometry Or AP Pre-Calculus	1	Year	11-12	STEM

This is an Advanced Placement (AP) program in Calculus. Students are expected to take the AP Calculus AB test for college placement at the end of the course. Topics covered include limits, continuous functions, derivatives, trigonometric functions, tangent lines, chain rule, inverse functions, mean-value theorem, concavity, limits involving infinity, curve sketching, differential equations, area, and arc length.

Additional topics are logarithms, volume (slicing, shells), exponential functions, inverse trigonometric functions, hyperbolic functions, L'Hopital's rule, trigonometric integrals, and integration by parts.

ADVANCED PLACEMENT CALCULUS – BC

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
AP	AP Calculus AB	1	Year	12	STEM

This course is the second level of the Advanced Placement program in Calculus. All students are expected to take the AP Calculus-BC exam at the end of the course. Topics covered will include slope fields, advanced integration methods, parametric equations, polar coordinates, and series.

MUSIC DEPARTMENT

<i>Course No.</i>	<i>Title</i>	<i>Level</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>DES.</i>
MUSCP1720	CP Concert Choir	College Prep	1	Year	9-12	HUM/ARTS
MUSHN1750	Honors Concert Choir	Honors	1	Year	9-12	HUM/ARTS
MUSCP1719	Chamber Choir	Honors	1	Year	9-12	HUM/ARTS
MUSCP1732	CP Symphonic Winds	College Prep	1	Year	9-12	HUM/ARTS
MUSHN1756	Honors Symphonic Winds	Honors	1	Year	9-12	HUM/ARTS
MUSCP1730	CP Percussion Ensemble	College Prep	1	Year	9-12	HUM/ARTS
MUSHN1754	Honors Percussion Ensemble	Honors	1	Year	9-12	HUM/ARTS
MUSCP1724	CP Marching Band	College Prep	.5	Semester	9-12	HUM/ARTS
MUSCP1728	Introduction to Music Theory	ECE	.5	Semester	9-12	HUM/ARTS
MUSEC1772	AP/ECE Music Theory	AP/ECE	1	Year	10-12	HUM/ARTS
MUSGN1706	Beginner Piano	General	.5	Semester	9-12	HUM/ARTS
MUSGN1710	Beginner Guitar	General	.5	Semester	9-12	HUM/ARTS
MUSGN1712	Intermediate/Adv. Guitar	General	.5	Semester	9-12	HUM/ARTS
MUSCP1726	Music Technology I	College Prep	.5	Semester	9-12	EITHER/ARTS
MUSCP1729	Music Technology II	College Prep	.5	Semester	10-12	EITHER/ARTS

All Music Department courses fulfill the Arts requirement

Music Department Educational Travel Statement

The Killingly High School Music Department will travel to a destination in either New England/Mid-Atlantic region or a location outside of that area during alternating school years pending Killingly Board of Education approval. It is the mission of the department to serve all students equally by providing musical opportunities, educational programming, and performance trips that support the academic, social, and civic mission of our high school. Students who enroll in CP/Honors Symphonic Winds, CP/Honors Percussion Ensemble, CP/Honors Concert Choir, Chamber Choir, CP Marching Band, and/or Jazz Band (non-credit, auditioned ensembles) will be strongly encouraged to participate in any spring semester performance trip.

With the assistance of the *KHS Music Boosters*, fundraisers will be held on a regular basis to help students earn the necessary funds to travel with the KHS Music Department. Some students have been able to earn most of the funds by participating in the fundraisers on a regular basis. Understanding today's economy, the music department will keep the cost of the excursion between \$200 (Broadway Year) and \$1500 (Disney year) per child. A trip commitment form and fee schedule are issued to each student/family in September. Fees are generally collected in October, November, December/January and late February in order to meet travel company deadlines. KHS Music Department has traditionally used Perkins Travel Co., New Britain, CT, for all its travel needs. Questions may be directed to Benjamin Olsen or Jason Largent by sending correspondence to bolsen@killinglyschools.org or jlargent@killinglyschools.org.

CP CONCERT CHOIR/HONORS CONCERT CHOIR

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
CP/Honors	None	1	Year	9-12	HUM/ARTS

The Concert Choir is a performing ensemble that welcomes anyone that enjoys singing. The group studies a variety of literature ranging from classical music to jazz, Broadway, and modern music. Chorus members will develop vocal technique through instruction and performance and will also learn skills needed to read and interpret music. The concert choir performs at the Concert to Honor our Veterans, Our Winter Celebration, our Cabaret Event, Music in our School Music Concert, our Spring Collage Concert and participates in competitive trips.

All sections will be available for honors credit if the student completes 4 of the following 8 activities that are additional to the College Prep requirements:

1. Take private lessons with an approved instructor (worth 2 of 4 requirements) including participation in a June Recital.
2. Audition for CMEA Regional and/or NEMFA music festivals (1st semester)
3. Admission/participation in CMEA Regional Chorus (1st semester)
4. Admission/participation in Chamber Choir (full year)
5. Admission/participation in All-State Chorus and/or NEMFA Chorus (2nd semester)
6. Participate/perform in community, church or professional music organization approved by choral director (1st, 2nd, or both semesters)
7. Performing in a small ensemble or solo in the KHS Cabaret Concert. (2nd Semester)
8. Work two weeks as an assistant conductor (See choral director for planning) (full year)
9. Take a ½ semester music elective and earn a grade of 90 or higher. (Full year)

CHAMBER CHOIR

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
CP/Honors	Teacher Recommendation (via Audition)	1	Year	9-12	HUM/ARTS

The Chamber Choir is our most advanced vocal group. This ensemble will study complex and challenging choral music. The Chamber Choir will perform with the Concert Choir and Symphonic Band in all their concerts and will also be featured in several of their own performances within the school and broader community. All members of Chamber Choir must also be members of Concert Choir (*schedule permitting - see instructor if conflicts). Chamber Choir is an audition-based ensemble and auditions will take place during the previous spring at both KHS and KIS.

CP SYMPHONIC WINDS/HONORS SYMPHONIC WINDS

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
CP/Honors	None	1	Year	9-12	HUM/ARTS

Symphonic Winds will perform, on band instruments, a varied repertoire of music from the band traditions of the 18th, 19th, 20th and 21st centuries. Concerts will be given throughout the year. Grading is based on performance tests, written evaluations, and preparedness for classes and concerts. Periodic evening rehearsals will be held to combine with percussion personnel. Students are generally responsible for the ownership of their own instruments; the school provides a limited number of large instruments for students' use. Students must own/purchase their own reeds, cork grease, slide grease, valve oil, etc. and can be obtained from Gerry's Music and/or the music department store at cost. All sections will be available for honors credit if the student completes 4 out of the following 9 activities that are additional to the College Prep requirements:

1. Take private lessons with an approved instructor (counts as 2 requirements) (1st and 2nd semester) including participation in a June Recital.
2. Playing in a small ensemble (1st and/or 2nd semester)
3. Section leader (1st and/or 2nd semester)
4. Jazz band (1st and 2nd semester)
5. Audition for Regional, All-State, and Southern NEHB Festivals (1st semester)
6. Admission/participation in Eastern Region Band/Orchestra (1st semester)
7. Admission/participation in All-State Band/Orchestra and/or SNE Honors Band (2nd semester)
8. Participate/perform in community, church, or professional musical organization (1st and 2nd semester)
9. Teach group sectionals/lessons to KIS students weekly at KIS (1st and 2nd semester)

CP PERCUSSION ENSEMBLE/HONORS PERCUSSION ENSEMBLE

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
CP/Honors	None	1	Year	9-12	HUM/ARTS

Percussion Ensemble will perform, on percussion instruments, a varied repertoire of music from the band and percussion traditions of the 18th, 19th, 20th and 21st centuries. Concerts will be given throughout the year, and all students will perform at a percussion ensemble festival held on the first Saturday of March each year. Students will experience percussion performance through percussion ensembles, symphonic band, and rhythmic studies. Grading is based on performance tests, written evaluations, and preparedness for classes and concerts. Periodic evening rehearsals will be held to combine with symphonic winds personnel. Students are responsible for the purchase of concert snare sticks. Students may also opt to invest in a percussion supplies kit (see below) that can be obtained through Gerry's Music; the school provides an ample number of large percussion instruments for students' use.

- Vic Firth SD1 or SD2 concert snare sticks – REQUIRED
- Drum Pad with stand - SUGGESTED

- Vic Firth stick bag - SUGGESTED
- Vic Firth general timpani, xylophone, and yarn marimba mallets - OPTIONAL

All sections will be available for honors credit if the student completes 4 out of the following 9 activities that are additional to the College Prep requirements:

1. Take private lessons with an approved instructor (counts as 2 requirements) (1st and 2nd semester) including participation in a June Recital.
2. Playing in a small ensemble (1st and/or 2nd semester)
3. Section leader (1st and/or 2nd semester)
4. Jazz band (1st and 2nd semester)
5. Audition for Regional, All-State, and Southern NEHB Festivals (1st semester)
6. Admission/participation in Eastern Region Band/Orchestra (1st semester)
7. Admission/participation in All-State Band/Orchestra and/or SNE Honors Band (2nd semester)
8. Participate/perform in community, church, or professional musical organization (1st and 2nd semester)
9. Teach group sectionals/lessons to KIS students weekly at KIS (1st and 2nd semester)

MARCHING BAND

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	None	.5	Semester	9-12	HUM/ARTS

August – November, After School/Nights/Extended Day, 0.5 Credits

- *There will be just over 62.5 hours of instruction in this course. That is equal to one 0.5 Credit course that meets during the school day.*
- *Credit offered to Woodwinds, Brass, Percussion, and Color Guard (arts credit)*

This large instrumental ensemble with auxiliary groups prepares field shows for football games, parades, and competitions. To be accepted into the course, students **must attend**:

- Band camp in late August.
- Group sectionals (woodwinds, brass, percussion, color guard) once per week. The schedule for woodwinds, brass, color guard, and percussion will be determined.
- Full band rehearsal on all Thursdays in September, October, and November (not all Thursdays in November). Rehearsals are held from 6:00-8:30 p.m.
- All home football games in September, October, and November. The band will travel to play-offs if the team advances beyond ECC competition. All home games are preceded by a short, full band rehearsal generally beginning at 4:15 and ending at 5:15pm.
- All band parades and/or special performances on three or four weekends in September, October, and November. All performances are preceded by full band rehearsal. Students' time commitment on special performance days varies.

Since CP Marching Band is being offered for credit (0.5), only rehearsal and performance times have been calculated into the number of hours of participation. Travel and mealtimes are not included in instructional/class time. In addition to attendance, playing tests, memorization tests,

show memorization, and maintenance of course materials (equipment, flip folders, drill folders/notebooks, dot books, etc.) will be graded.

Students who do not have band gloves or shoes are responsible for the purchase of these goods. Shoes and gloves are no more than \$50 for students who need them. Generally, upperclassmen have shoes and gloves from previous years. Other fees may be incurred depending on the schedule of events for the season (incidental supplies, show shirt, etc.). Color Guard members generally have additional fees to offset the price of costumes; the cost varies annually but is payable in installments if required by individual families. The KHS Music Department budget provides most services and equipment for the marching band.

INTRODUCTION TO MUSIC THEORY UCONN ECE (MUSI 1011)

Level	Prerequisites	Credit	Duration	Grade	Designation
ECE	None	.5	Semester	9-12	HUM/ARTS

To earn the 3 available UCONN credits, students must complete the UCONN Early College Experience (ECE) application and enrollment steps, and submit any applicable course fees.

This course studies the basic elements of music composition and ear-training. The class will explore harmonic structure, keys and scales, musical form and music history. Music Theory CP is ideal for students who want to broaden their music exposure, compose their own music, or wish to pursue a music major or minor after high school. This class may also serve as a prerequisite for AP Music Theory.

AP/ECE MUSIC THEORY UCONN ECE (MUSI 1011 and/or MUSI 1012)

Level	Prerequisites	Credit	Duration	Grade	Designation
AP/ECE	Intro to Music Theory or Teacher Recommendation	1	Year	11-12	HUM/ARTS

To earn the 3 available UCONN credits, students must complete the UCONN Early College Experience (ECE) application and enrollment steps, and submit any applicable course fees.

Advanced Placement Music Theory is a rigorous course designed to expand and enhance the basic skill for the serious high school musician. Music composition, melodic practices, theory of harmony and other musical concepts are studied, encompassing the common practice period up through the Baroque/Classical Period (1600-1750). Music from other stylistic periods is also studied, as well as a brief unit on jazz theory. The study, writing, singing, and analysis of the 4-part chorale from this common practice period in the common thread to the course study. Students are prepared to take the AP Music Theory Exam when they have completed the course.

BEGINNER PIANO

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
General	NONE	.5	Semester	9-12	HUM/ARTS

This course is designed for students interested in learning the basic skills needed for playing the piano. As an introductory course, no previous experience is necessary, although some knowledge of reading music is helpful. The three main areas of study are musical literacy, scales and technical exercises, and beginning repertoire using both hands.

BEGINNER GUITAR

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
General	Ownership of a non-electric guitar and guitar case recommended	.5	Semester	9-12	HUM/ARTS

This course is designed for students interested in learning the basic skills needed for playing the guitar. As an introductory course, no previous experience is necessary, although some knowledge of reading music is helpful. The three main areas of study are musical literacy, scales, and finger exercises, and strumming and playing chords. Most students who take Beginner Guitar also sign up for the S2 class, Intermediate Guitar. Because the school has a limited amount of “loaner instruments”, it is preferred that students have their own full-size acoustic guitar.

INTERMEDIATE/ADVANCED GUITAR

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
General	Beginner Guitar with at least an 80 or Teacher Recommendation	.5	Semester	9-12	HUM/ARTS

Students with experience both reading music and playing chords will continue to develop these skills by performing in a guitar ensemble, accompanying vocalists, and composing their own music. Students will experience a variety of styles of music and will develop a stronger sense of musical literacy through discussion and writing about music. Students who have successfully completed intermediate guitar may retake the class as Advanced Guitar.

MUSIC TECHNOLOGY I

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	None	.5	Semester	9-12	EITHER/ARTS

This course is for students who love music and want to explore the world of music and technology. Using specialized music sequencing and recording software (i.e., Garage Band, Band in a Box, Sibelius), students will analyze, mix, re-mix and create their own loop-based recordings and sequences while learning the fundamentals of music theory along the way. Students will also gain experience in reading and creating notated music as they learn basic

music keyboard skills in a hands-on project-based class. Students with limited musical background will be equally welcomed along with those with more extensive musical experience.

MUSIC TECHNOLOGY II

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	Music Tech 1 or Teacher Rec.	.5	Semester	10-12	EITHER/ARTS

This course will explore more advanced topics in Music Technology and will concentrate on “Real World” applications. Students will be presented with several creative assignments utilizing software programs like Garageband, Sibelius, Logic Pro, and others, while increasing student understanding of traditional notation and composition. Projects will include but not be limited to: Arranging, Radio Jingles, Commercials, and Film Scoring. Students may have the opportunity to collaborate on projects with Mr. Durand’s Film Production class. All students are encouraged to use the knowledge and techniques gained in this course to seek musical experiences beyond the classroom (auditorium sound technician, radio/TV technician, composing music for film/theater/multimedia presentations). The course works well as an elective for a Career Pathway in Music.

PHYSICAL EDUCATION AND HEALTH DEPARTMENT

<i>Course No.</i>	<i>Title</i>	<i>Level</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>DES.</i>
PEHGN1910	PE 1 Male	General	.5	Semester	9	N/A
PEHGN1912	PE 1 Female	General	.5	Semester	9	N/A
PEHGN1920	PE 2 Male	General	.5	Semester	10	N/A
PEHGN1922	PE 2 Female	General	.5	Semester	10	N/A
PEHGN1950	Adaptive Physical Education	General	.5	Semester	9-12	N/A
PEHGN1955	Personal Fitness	General	.5	Semester	9-12	N/A
PEHGN1960	Health 1	General	.5	Semester	9	N/A
PEHGN1962	Health 2	General	.5	Semester	10	N/A
PEHCP1913	Certified Nursing Assistant	College Prep	1	Year	11-12	STEM
PEHCP1970/ PEHCP1972	PE 1 or 2 Leadership	College Prep	.5/1	Sem/Year	11-12	ELE

PHYSICAL EDUCATION 1 (PE 1)

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
General	None	.5	Semester	9	N/A

This course emphasizes cooperative game activities and increasing overall fitness. This course covers the following: cardiovascular endurance, strength and flexibility, weight training, fitness testing, soccer, gatorball, tennis, ultimate frisbee/football, softball, track and field, pickleball, basketball, volleyball, speedball, and floor hockey.

PHYSICAL EDUCATION 2 (PE 2)

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
General	PE 1	.5	Semester	10	N/A

This course emphasizes team sports and introduces lifetime activities to increase overall fitness. It covers the following: cardiovascular endurance, strength and flexibility, circuit training, the Connecticut State Fitness Test, floor hockey, relaxation, team handball, badminton, lacrosse, golf, archery, flag football, throwback games, and various recreational games, both indoor and outdoor.

ADAPTIVE PHYSICAL EDUCATION

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
General	Placement by PPT and/or Administration	.5	Semester	9-12	N/A

This course is designed to provide appropriate levels of physical activity and instruction for students identified as needing special attention or modified programs.

PERSONAL FITNESS

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
General	Approved by Dept Chair	.5	Semester	9-12	N/A

This course emphasizes engagement in physical activity, individualized weight training and conditioning programs, and instruction in scientifically based health, wellness, and fitness concepts. Students learn how to make informed, lifelong choices related to their overall health and wellness while also exploring potential careers in athletics. The course includes both classroom instruction and physical activity throughout the semester and is designed for students interested in weight management, improving muscle strength, and proper nutrition.

HEALTH 1

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
General	None	.5	Semester	9	N/A

The course is designed to introduce students to a variety of health topics. This course covers the following topics: Personal Hygiene, Alcohol Abuse, Tobacco, Vaping, Drug Abuse, Healthy Body Weight, Fitness and Nutrition. Students may also fulfill their 3rd PGR requirement (Persuasive Argument) in this class.

HEALTH 2

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
General	Health 1	.5	Semester	10	N/A

This course is designed to introduce students to a variety of health topics. This course covers the following topics: Reproductive Systems, Pregnancy/Birth, STI/HIV/AIDS, Stress Management, Mental/Emotional Health, Healthy Relationships, Violence, First Aid, CPR, AED. Students may also fulfill their 3rd PGR requirement (Persuasive Argument) in this class.

PE LEADERSHIP

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	PE 1 & PE 2	.5/1	Semester/Year	11-12	N/A

If you are selected as a PE Leader, you are expected to serve as a positive role model for your peers. Responsibilities include, but are not limited to: demonstrating respect and reliability, assisting the teacher in leading activities, setting up and putting away equipment, and modeling proper sports skills for the class.

CERTIFIED NURSING ASSISTANT - CNA

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	Must be 16 years of age when the course begins.	1	Year	11-12	STEM

This course does not count towards the PE or Health graduation requirements.

This course provides instruction in the roles and responsibilities of the Nursing Assistant. Body structure and function, infection prevention, nutrition, principles of growth and development, safety in healthcare, home health care, and care of the older person are some of the topics emphasized. Instruction and practice of basic patient care skills required for Nursing Assistants is provided. Skills practiced include patient assistance with activities of daily living, personal care, transfer and positioning, vital sign measurement, intake and output measurement, restorative care, and communication. Students will practice supervised basic patient care in a clinical setting prior to completion of the program. The student must successfully meet all objectives of the course; pass computerized exams, laboratory skills performance and the clinical experience to be eligible for course completion. Clinical hours outside of school hours are required. At the completion of this course, students are eligible to take the certification exam to become a Certified Nursing Assistant (CNA).

SCIENCE DEPARTMENT

<i>Course No.</i>	<i>Title</i>	<i>Level</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>DES.</i>
SCICP1312	CP Science *	CP	1	Year	9	STEM
SCIHN1310	Honors Science *	Honors	1	Year	9	STEM
SCIGN1320	General Biology *	General	1	Year	10	STEM
SCICP1324	CP Biology w/ Lab *	College Prep	1	Year	10	STEM
SCIHN1326	Honors Biology w/ Lab *	Honors	1	Year	10	STEM
SCIGN1330	NGSS Physical Science	General	1	Year	11	STEM
SCICP1344	CP Chemistry w/ Lab *	College Prep	1	Year	11-12	STEM
SCIHN1346	Honors Chemistry w/Lab*	Honors	1	Year	11-12	STEM
SCICP1352	CP Physics w/ Lab *	College Prep	1	Year	11-12	STEM
SCIHN1354	Honors Physics *	Honors	1	Year	11-12	STEM
SCIGN1360	Environmental Science *	General	1	Year	12	STEM
SCIGN1380	Forensic Science*	General	1	Year	12	STEM
SCICP1372	Anatomy and Physiology *	College Prep	1	Year	12	STEM
SCIAP1350	AP Chemistry *	AP	1	Year	11-12	STEM
SCIAP1367	AP Environmental Science *	AP	1	Year	11-12	STEM
SCIAP1330	AP Biology *	AP	1	Year	11-12	STEM
SCICP1930	Science Leadership	College Prep	.5/1	Sem/Year	12	STEM

* *NCAA approved course**

KHS Science Department Course Offerings

9th Grade: Earth & Space Science	<div style="border: 1px solid black; display: inline-block; padding: 2px 10px; margin: 2px;">CP Science College and Career</div> <div style="border: 1px solid black; display: inline-block; padding: 2px 10px; margin: 2px 10px;">Honors Science</div>
<small>*All students must take one of these two courses for graduation</small>	
10th Grade: Life Science	<div style="border: 1px solid black; display: inline-block; padding: 2px 10px; margin: 2px;">General Biology</div> <div style="border: 1px solid black; display: inline-block; padding: 2px 10px; margin: 2px 10px;">CP Biology</div> <div style="border: 1px solid black; display: inline-block; padding: 2px 10px; margin: 2px 10px;">Honors Biology</div>
<small>*All students must take one of these three courses for graduation. Some students may also choose to take an additional course (Chemistry or Physics) concurrently.</small>	
11th Grade: Physical Science	<div style="border: 1px solid black; display: inline-block; padding: 2px 10px; margin: 2px;">General NGSS Physical Science</div> <div style="border: 1px solid black; display: inline-block; padding: 2px 10px; margin: 2px 10px;">CP Chemistry</div> <div style="border: 1px solid black; display: inline-block; padding: 2px 10px; margin: 2px 10px;">Honors Chemistry</div> <div style="border: 1px solid black; display: inline-block; padding: 2px 10px; margin: 2px 10px;">CP Physics</div> <div style="border: 1px solid black; display: inline-block; padding: 2px 10px; margin: 2px 10px;">Honors Physics</div>
<small>*All students must take one of these five courses for graduation. Some students may also choose to take an additional course/elective concurrently.</small>	
12th Grade: Additional Electives	<div style="border: 1px solid black; display: inline-block; padding: 2px 10px; margin: 2px;">General Forensics</div> <div style="border: 1px solid black; display: inline-block; padding: 2px 10px; margin: 2px 10px;">CP Anatomy & Physiology</div> <div style="border: 1px solid black; display: inline-block; padding: 2px 10px; margin: 2px 10px;">AP Biology</div> <div style="border: 1px solid black; display: inline-block; padding: 2px 10px; margin: 2px 10px;">General Environmental Science</div> <div style="border: 1px solid black; display: inline-block; padding: 2px 10px; margin: 2px 10px;">AP Environmental Science</div> <div style="border: 1px solid black; display: inline-block; padding: 2px 10px; margin: 2px 10px;">AP Chemistry</div>
<small>*These courses may be taken as a senior, after previously completing the 3 course graduation sequence above OR they may be taken concurrently in earlier years as additional courses/electives.</small>	

CP SCIENCE

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	None	1	Year	9	STEM

This course, which is aligned with the Next Generation Science Standards, primarily focuses on a study of Earth and Space Science disciplinary core ideas: space systems, history of Earth, Earth's systems, weather and climate and human impacts on Earth's resources. The course also integrates opportunities for students to experience science and engineering practices and encourages students to identify and develop their understanding of cross-cutting concepts that have applications across all domains of science.

HONORS SCIENCE

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
Honors	Grade 8 Science Grade	1	Year	9	STEM

This rigorous course, which is aligned with the Next Generation Science Standards, primarily focuses on a detailed and in-depth study of Earth and Space Science disciplinary core ideas: space systems, history of Earth, Earth's systems, weather and climate and human impacts on Earth's resources. The course also integrates opportunities for students to experience science and engineering practices and encourages students to identify and develop their understanding of cross-cutting concepts that have applications across all domains of science.

GENERAL BIOLOGY

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
General	None	1	Year	10	STEM

This course, which is aligned with the Next Generation Science Standards, focuses on key concepts within the Life Science disciplinary core ideas: structure and function, matter and energy in organisms and ecosystems, interdependent relationships in ecosystems, inheritance, and variation of traits & natural selection and evolution. The course also integrates opportunities for students to demonstrate science and engineering practices and encourages students to describe and develop their understanding of cross-cutting concepts that have applications across all domains of science.

COLLEGE PREP BIOLOGY w/LAB

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	None	1	Year	10	STEM

This course, which is aligned with the Next Generation Science Standards, offers an in-depth study of Life Science concepts: structure and function, matter and energy in organisms and

ecosystems, interdependent relationships in ecosystems, inheritance, and variation of traits & natural selection and evolution. It also integrates opportunities for students to demonstrate science and engineering practices and encourages students to describe and develop their understanding of cross-cutting concepts that have applications across all domains of science.

HONORS BIOLOGY w/LAB

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
Honors	None	1	Year	10	STEM

This accelerated course, which is aligned with the Next Generation Science Standards, offers an in-depth and rigorous study of the Life Science disciplinary core ideas: structure and function, matter and energy in organisms and ecosystems, interdependent relationships in ecosystems, inheritance, and variation of traits & natural selection and evolution. The course also integrates opportunities for students to demonstrate science and engineering practices and encourages students to describe and develop their understanding of cross-cutting concepts that have applications across all domains of science. This course is strongly recommended as a prerequisite for students who are planning to take AP Biology.

NGSS PHYSICAL SCIENCE

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
General	None	1	Year	11	STEM

This course, which is aligned with the Next Generation Science Standards, focuses on key concepts within the Physical Science disciplinary core ideas which include an integration of both Chemistry: Molecular level structure and function of atoms & the conservation of mass during chemical reactions, and Physics: Energy conservation and transformation within systems & Newton's laws. This course also integrates opportunities for students to apply science and engineering practices and requires students to analyze and develop their understanding of cross-cutting concepts that have applications across all domains of science.

COLLEGE PREP CHEMISTRY w/LAB

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	CP Alg. 1 & 2 (may be taken concurrently)	1	Year	11 & 12	STEM

This course, which is aligned with the Next Generation Science Standards, offers an in-depth study of the Physical Science core ideas from the field of Chemistry: Molecular level structure and function of atoms, the relationship between atomic trends in the periodic table and predicting outcomes of chemical reactions, the relationship between the strength of forces between a substance's particles the substance's bulk properties & the conservation of mass during chemical reactions. This course also integrates opportunities for students to apply science and engineering practices and requires students to analyze and develop their understanding of cross-cutting concepts that have applications across all domains of science.

HONORS CHEMISTRY w/LAB

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
Honors	CP Alg. 1 & 2 (may be taken concurrently)	1	Year	11 & 12	STEM

This accelerated course, which is aligned with the Next Generation Science Standards, offers an in-depth and rigorous study of the Physical Science core ideas from the field of Chemistry: Molecular level structure and function of atoms, the relationship between atomic trends in the periodic table and predicting outcomes of chemical reactions, the relationship between the strength of forces between a substance's particles the substance's bulk properties & the conservation of mass during chemical reactions. This course also integrates opportunities for students to apply science and engineering practices and requires students to analyze and develop their understanding of cross-cutting concepts that have applications across all domains of science. This course is strongly recommended as a prerequisite for students who are planning to take AP Chemistry.

COLLEGE PREP PHYSICS w/LAB

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	Alg. 1	1	Year	11 & 12	STEM

This course, which is aligned with the Next Generation Science Standards, offers an in-depth study of core Physical Science ideas from the field of Physics: Newton's laws of motion- inertia, acceleration and momentum, the relationship between energy and the motion or the relative position of particles/objects, gravitational and electrostatic forces between objects, energy conservation and transformation within systems, the relationship between electric current and magnetic field & the properties of waves. This course also integrates opportunities for students to apply science and engineering practices and requires students to analyze and develop their understanding of cross-cutting concepts that have applications across all domains of science.

HONORS PHYSICS w/LAB

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
Honors	Trig. OR HN Pre-Calc. (may be concurrent)	1	Year	11 & 12	STEM

This accelerated course, which is aligned with the Next Generation Science Standards, offers an in-depth and rigorous study of the Physical Science core ideas from the field of Physics: Newton's laws of motion- inertia, acceleration and momentum, the relationship between energy and the motion or the relative position of particles/objects, gravitational and electrostatic forces between objects, energy conservation and transformation within systems, the relationship between electric current and magnetic field & the properties of waves. This course also integrates opportunities for students to apply science and engineering practices and requires students to analyze and develop their understanding of cross-cutting concepts that have applications across all domains of science.

ENVIRONMENTAL SCIENCE

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
General	Biology and Chemistry, Physics, OR NGSS (may be concurrent)	1	Year	12	STEM

Environmental science is the study of how humans interact with the environment. This course provides an introduction to environmental science and includes study of the major earth systems, ecosystems, populations, water, air, atmosphere, climate, land, energy and biodiversity. Projects and lab work related to these topics are covered. This course is NOT a substitute for biology.

FORENSIC SCIENCE

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
General	Biology AND Chemistry, Physics, OR NGSS Physical Science	1	Year	12	STEM

This course explores the science of crime-solving through case studies and laboratory activities. Students will develop their critical thinking skills as they analyze various forms of evidence. They will also study the Biological, Physical, Chemical and Earth Science concepts which make this analysis possible. Topics studied include fingerprints and impressions, ballistics, trace evidence, blood and blood spatter, DNA fingerprinting, forensic anthropology (human remains), mechanism, manner, and cause of death, handwriting analysis, counterfeiting, and the psychology and patterns of serial killers.

ANATOMY AND PHYSIOLOGY

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	CP Biology AND CP Chemistry or Physics (may be concurrent)	1	Year	11 & 12	STEM

This rigorous and detail-oriented course provides students an opportunity to investigate the tissues, organs, and systems of the human body. Students will become fluent in a substantial amount of terminology as they improve their ability to identify structures and formulate explanations for complex functions and interactions that occur within the human body. Students will not only use images and models to support their understanding but will also be required to perform dissections of individual organs as well as whole organisms. This course should be considered by students who may be thinking of entering health care, animal care or related medical fields.

ADVANCED PLACEMENT (AP) CHEMISTRY

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
AP	CP or HN Chemistry, CP Alg. 1, AND Teacher Recommendation	1	Year	11 & 12	STEM

This college-level course is the equivalent of a one-year introductory college Chemistry course with a lab. The course follows the Advanced Placement course outline, which is focused on the six “Big Ideas” of Chemistry: 1. Atoms as the fundamental building materials of matter, 2. The chemical and physical properties of matter, 3. Changes in matter, 4. Rates of chemical reactions, 5. The laws of thermodynamics, 6. Dynamic competition between bond formation & breakage. Students who take this course will be expected to take the Advanced Placement exam.

ADVANCED PLACEMENT (AP) ENVIRONMENTAL SCIENCE

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
AP	Biology AND CP Chemistry or Physics (may be concurrent) AND Teacher Recommendation	1	Year	11 & 12	STEM

The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science. The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the inter-relationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Students who take this course are expected to take the Advanced Placement exam.

ADVANCED PLACEMENT (AP) BIOLOGY

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
AP	CP or HN Biology, Chemistry or Physics (may be taken concurrently), and Instructor Approval	1	Year	11-12	STEM

AP Biology is equivalent to a one-year college level Biology course. The course follows the Advanced Placement Biology course outline established by the College Board which is focused on the four “Big Ideas” of biology: 1. The process of evolution drives the diversity and unity of life. 2. Biological systems utilize free energy and molecular building blocks to grow, reproduce and maintain dynamic homeostasis. 3. Living systems store, retrieve, transmit, and respond to information essential for life processes. 4. Biological systems interact, and these systems and their interactions possess complex properties. There is an extensive lab curriculum. Students who take this course are expected to complete both semesters and take the AP exam.

SCIENCE LEADERSHIP

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	Teacher Recommendation	.5/1	Semester/Year	12	STEM

This course is an opportunity for students to practice and exhibit leadership skills in a science or laboratory setting among peers. Student leaders will model responsible and contributory behavior in the classroom that assists in the establishment of a consistent, organized, and respectful learning environment. Within the classroom they are assigned to, students will demonstrate behaviors that contribute to a positive morale and culture in the classroom while creating or implementing strategies to engage team members to work toward team and organizational goals in a variety of workplace and community situations.

SOCIAL STUDIES DEPARTMENT

Course No.	Title	Level	Credit	Duration	Grade	DES.
SOCHN1214	Honors World History *	Honors	1	Year	9	HUM
SOCCP1214	CP World History *	College Prep	1	Year	9	HUM
SOCGN1220	General American Government *	General	1	Year	10	HUM
SOCCP1222	CP American Government *	College Prep	1	Year	10	HUM
SOCHN1224	Honors American Government *	Honors	1	Year	10	HUM
SOCGN1230	General United States History *	General	1	Year	11	HUM
SOCCP1232	CP United States History *	College Prep	1	Year	11	HUM
SOCAP1237	AP United States History *	AP	1	Year	10-12	HUM
SOCCP1250	Economics *	College Prep	.5	Semester	11-12	HUM
SOCCP1252	Contemporary Issues *	College Prep	.5	Semester	12	HUM
SOCCP1256	Psychology CP *	College Prep	.5	Semester	11-12	HUM
SOCCP1260	Sociology CP *	College Prep	.5	Semester	11-12	HUM
SOCCP1264	African American & Latino Studies	College Prep	1	Year	11-12	HUM

NCAA approved course

For grade 9 courses, students have opportunities to write persuasive essays on topics in Social Studies for graded assignments and as practice for meeting the PGR requirement for Persuasive Argument (also sophomore year). Students also may earn PGR credit for Reading for Information through their coursework beginning in grade 10.

HONORS WORLD HISTORY

Level	Prerequisites	Credit	Duration	Grade	Designation
Honors	8th Grade students having scored at above the 76 percentile (High level and above) AIMSweb reading assessment AND 8th grade social studies grade of at least 90%	1	Year	9	HUM

This rigorous course is an intense study of the history of modern nation states designed for motivated students that have proficient habits of work. This course covers Africa, Latin America, the Middle East, Japan, China, Southern Asia, and Europe. The course focuses on the history, geography, political, and economic philosophies covering the period of Absolutism to the Present Day in this inquiry-based learning course. The class expectations include participation in discourse sessions, intense outside reading assignments, individual and group projects, written and oral reports, and essay exams.

CP WORLD HISTORY

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	None	1	Year	9	HUM

This course is an intense study of modern world history. This course covers Africa, the Middle East, Latin American, Asia, and Europe. The course provides an overview of the histories of nation states from the period of Absolutism through the 20th Century. The class expectations include the use of historical academic inquiry, discussion sessions, outside reading assignments, individual and group projects, written and oral reports, and essay exams.

GENERAL AMERICAN GOVERNMENT

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
General	None	1	Year	10	HUM

Students will be concentrating on the foundations of government, American geography, the three branches of government, the Bill of Rights/civil liberties, criminal, and civil law. The class expectations include outside reading assignments, individual and group projects, written and oral reports, class discussion, objective, and subjective exams.

CP AMERICAN GOVERNMENT

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	None	1	Year	10	HUM

This course is an intensive study of American government and law. Students concentrate on the foundations of government, geography, the three branches of government, the Bill of Rights/civil liberties, criminal, and civil law. Class expectations include outside reading assignments, individual and group projects, written and oral reports, class discussions, and essay exams.

HONORS AMERICAN GOVERNMENT

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
Honors	None	1	Year	10	HUM

This course is a state mandated requirement. This course provides an in-depth study of the United States government with an emphasis on the U.S. Constitution. Students will examine the historical factors and ideas that influenced the creation of the Republic. Students will explore the various characteristics that distinguish the United States' government as a democracy. Students will also examine their rights and responsibilities as U.S. citizens. Civic responsibility, including informed and active citizenship is emphasized. This course is reading and writing intensive.

GENERAL UNITED STATES HISTORY

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
General	None	1	Year	11	HUM

This course is a general survey of America from the 1900s to the present. Topics include the Progressive era, the Great Depression, the rise of totalitarian governments and WWII. The textbook is the principal source for students, though outside readings may be assigned. Students must read, analyze, think critically, and discuss historical situations of the past 140 years.

CP UNITED STATES HISTORY

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	None	1	Year	11	HUM

United States History is a graduation requirement covering the developments of the US in the modern era from the beginning of the twentieth through the twenty-first century. The students will concentrate on the social, political, and economic progress of the nation. In addition, students will become familiar with the cultural and technological advances of the United States. The class will be expected to use the text, supplementary primary and secondary sources, biographies, videos, and internet generated materials. An emphasis will be placed on linking the past of America to its present. This is a reading and writing intensive course.

AP UNITED STATES HISTORY

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
AP	Teacher Recommendation for all grade levels. Grade 9 students must also earn a 95% or higher in CP or HN World History.	1	Year	10-12	HUM

The Advanced Placement United States History course provides students with the analytical skills and knowledge necessary to deal critically with the problems and materials in American history. Course work prepares students for college courses by having requirements equivalent to those they will face in their introductory college courses. Content includes the pre-colonial period to the present. Students assess historical materials, their relevance to a given problem, their reliability, and their importance, allowing students to weigh the evidence and make historical interpretations. Students can thus develop the ability to arrive at conclusions based on informed judgment and present persuasive evidence clearly in essay format. Admission to the Advanced Placement United States History course and the student's level of success depends upon his/her commitment to the subject as well as high aptitude scores and/or outstanding grade records. Students must maintain at least a "C" average to remain.

ECONOMICS

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	None	.5	Semester	11 & 12	HUM

This course is a comprehensive introductory survey of economics, with a focus on macroeconomic issues. Students will study the capitalist economic system and government policies that affect it. Current economic data and trends will be used as real-world examples to augment textual analysis. Finally, the international political ramifications of economic growth and size will be analyzed in a modern as well as a historical context.

CONTEMPORARY ISSUES

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	None	.5	Semester	12	HUM

This course examines current problems of national and international relations, emphasizing their impact on the United States. Students critically examine issues of continuing importance by reading newspapers, news magazines, and viewing media of newsworthy events. Through class discussions, organized debates, and written commentaries, students present their positions and critical judgments of national and international issues. Active student participation is an integral aspect of Contemporary Issues and forms a component of the student's grade. Limited seating.

PSYCHOLOGY CP

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	None	.5	Semester	11 & 12	HUM

This course covers the various theories and principles of human behavior, emphasizing self-awareness and individual behaviors. Units of study include schools of psychology, perceptions, learning, memory, intelligence, developmental psychology, personality, emotions, motivation, state of consciousness and abnormal behavior. Additional readings, class discussions, and writing are required.

SOCIOLOGY CP

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	None	.5	Semester	11 & 12	HUM

This course is an introductory survey course. Focus is on developing skills in group relationships and acquiring an understanding of selected social problems which confront all students. Units of study cover such topics as social structure, cultural diversity, social interaction, social control, change, conflict, socialization, the family, and social inequality. Additional readings, class discussions, and writing are required.

AFRICAN AMERICAN/BLACK AND PUERTO RICAN/LATINO STUDIES

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	US History	1	Year	11 & 12	HUM

The course is an opportunity for students to explore accomplishments, struggles, intersections, perspectives, and collaborations of African American/Black and Puerto Rican/Latino people in the U.S. Students will examine how historical movements, legislation, and wars affected the citizenship rights of these groups and how they, both separately and together, worked to build U.S. cultural and economic wealth and create more just societies in local, national, and international contexts. Coursework will provide students with tools to identify historic and contemporary tensions around race and difference; map economic and racial disparities over time; strengthen their own identity development; and address bias in their communities.

TECHNOLOGY DEPARTMENT

<i>Course No.</i>	<i>Title</i>	<i>Level</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>DES.</i>
TECCP1590/ 1592	Technology Leadership	College Prep	.5/1	Sem/Year	11-12	STEM
TECCP1520	Digital Literacy	College Prep	.5	Semester	9-12	STEM/HUM
	Architecture & Construction Technology					
TECGN1560	Fund. of Construction Technology	General	.5	Semester	9-12	STEM
TECCP1563	Architectural Engineering 1	College Prep	.5	Semester	9-12	STEM
TECCP1564	Architectural Engineering 2	College Prep	.5	Semester	9-12	STEM
TECCP1566	Construction Applications	College Prep	.5	Semester	10-12	STEM
TECCP1568	Construction Management	College Prep	.5	Semester	10-12	STEM
TECHN1571	Adv. Technology -Construction	Honors	.5	Semester	11-12	STEM

	Industrial Design & Engineering					
TECCP1544	Principles of Engineering	College Prep	.5	Semester	9-12	STEM
TECCP1545	Adv. Eng. Design & Dev.	College Prep	.5	Semester	9-12	STEM
TECCP1546	Mechanical Drafting	College Prep	.5	Semester	9-12	STEM
TECCP1548	Mechanical Engineering	College Prep	.5	Semester	9-12	STEM
TECCP1552	Robotics 1	College Prep	.5	Semester	9-12	STEM
TECCP1553	Robotics 2	College Prep	.5	Semester	9-12	STEM
TECCP1554	Robotics 3	College Prep	1	Semester	10-12	STEM
TECHN1550	Adv. Technology -Robotics 4	Honors	1	Year	11-12	STEM

	Video Production					
TECCP1521	Intro to Video Technology	College Prep	.5	Semester	9-12	EITHER/ARTS
TECCP1524	Film Production	College Prep	.5	Semester	10-12	EITHER/ARTS
TECCP1525	KHS Productions	College Prep	.5	Semester	10-12	EITHER/ARTS
TECCP	Broadcast Journalism 1	College Prep	.5	Semester	10-12	EITHER/ARTS
TECCP1528	Broadcast Journalism 2 CP	College Prep	1	Year	11-12	EITHER/ARTS
TECHN1529	Broadcast Journalism 2 HN	Honors	1	Year	11-12	EITHER/ARTS

DIGITAL LITERACY

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	None	.5	Semester	9-12	STEM/HUM

This course addresses critical issues facing children in a fast-changing world of media and technology. The lessons in this course will teach students to think critically and develop the habits of mind to navigate digital dilemmas in their everyday lives. It is primarily project based. Everything from managing your digital footprint, understanding online privacy, and navigating social media responsibly, to becoming a savvy digital communicator will be covered. Students will work through real scenarios, make decisions, and learn by doing.

Architecture and Construction Technology

ARCHITECTURAL ENGINEERING 1

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	None	.5	Semester	9-12	STEM

This course will introduce students to the field of Architecture. They will explore the cultural and environmental impacts on architecture and design structures based on building codes and different construction methods. they will become fluent in a program called Chief Architect and use it to create and build 3D models of structures. This process will require them to measure proficiently, read prints, and use problem solving techniques.

ARCHITECTURAL ENGINEERING 2

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	Architectural Engineering	.5	Semester	9-12	STEM

This course is designed for students that want to expand their ability to produce accurate and detailed design projects that incorporate constraints. This course will explore the principles of architectural engineering associated with designing structures and current trends in the fields of architecture and construction. Design presentations will be made by students.

FUNDAMENTALS OF CONSTRUCTION TECHNOLOGY

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	None	.5	Semester	9-12	STEM

In this half year course, students learn about general applications of using hand tools, power tools, and construction principals that apply to residential construction. This course is designed as an introductory course to the construction career pathway. Students will be able to recognize and appreciate correct design and quality craftsmanship in the various facets of residential construction, along with attaining knowledge of the various construction trades and career opportunities through hands on/minds on projects and activities.

CONSTRUCTION APPLICATIONS

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	Fundamentals of Construction Technology	.5	Semester	10-12	STEM

This course concentrates on residential construction technologies. A home is often the single largest financial investment an individual will make. This course will introduce you to the principles of structural design and framing methods. It will also introduce you to the wide array of subsystems used in residential construction. This is a hands-on course where students will be required to produce products that represent their understanding of the key concepts involved.

CONSTRUCTION MANAGEMENT

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	None	.5	Semester	10-12	STEM

This course concentrates on concepts necessary to be successful in the field of construction management. Students create their own businesses and focus on construction management practices. Students will be proficient with programs and processes associated with architectural print reading, materials list development, pricing, scheduling and business management.

ADVANCED TECHNOLOGY - CONSTRUCTION

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
Honors	Fund. of Construction Technology & Construction Applications	.5	Semester	11-12	STEM

This class is designed for students who wish to pursue advanced projects in construction. This course emphasizes construction careers.

Industrial Design and Engineering

PRINCIPLES OF ENGINEERING

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	None	.5	Semester	9-12	STEM

This is a hands-on course designed to introduce students to some of the key concepts used to create and modify inventions. It will require students to solve engineering challenges by constructing solutions. There is a strong emphasis on math concepts, how physical objects create movement and engineering disciplines. Projects include Rube Goldberg machines and engineering methods.

ADVANCED ENGINEERING DESIGN AND DEVELOPMENT

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	Principles of Engineering	.5	Semester	9-12	STEM

Students utilize the engineering design process, applying science, math, engineering, and technology standards (STEM) to applied learning models and projects. This course includes a curriculum that utilizes concepts and terms covered in Principles of Engineering. Students develop skills in problem solving, research and design, while learning strategies for design process, documentation, collaboration, and presentation. Students will work both individually and in teams to design solutions to problems and will use an engineering notebook to document their work. Students taking this course should be considering further education (college or technical schools) in the engineering field.

MECHANICAL DRAFTING

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	None	.5	Semester	9-12	STEM

This course will introduce the student to the fundamentals of mechanical drawing skills which are essential for engineers, architects, machinists, and most tradesmen. Students will use drafting tools to create fully dimensioned single and multi-view drawings. By the end of this course, the student will use a computer aided design program to create additional designs that are a finished product of the technical drawings.

MECHANICAL ENGINEERING

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	Fund. of Construction Technology, Mechanical Drafting (recommended)	.5	Semester	9-12	STEM

This course will introduce students to the fundamentals of 3-dimensional computer aided design.

ROBOTICS 1

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	None	.5	Semester	9-12	STEM

This exciting, hands-on course introduces students to the world of engineering and robotics. Students learn fundamental engineering concepts, such as the engineering design process and how to maintain an engineering notebook. Students will construct their first fully functioning robot as they learn the critical importance of safety and teamwork in the robotics lab. After the robot is designed and built, the students test, troubleshoot and operate their creation. The final project involves a challenge on the robotics playing field.

ROBOTICS 2

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	Robotics 1 (80%) or Teacher Rec.	.5	Semester	9-12	STEM

This engaging, hands-on course further develops students' expertise in the realm of robotics. Students refine their robot design and learn to improve their creation using the engineering design process. Students collaborate to solve real world problems based on the current year's game challenge. As they start to master the concepts in engineering and robotics, students compete in class to see who has the best overall design, build, control, and game strategy!

ROBOTICS 3

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	Robotics 2 (80%) OR Teacher Rec.	1	Year	9-12	STEM

This challenging, hands-on course allows serious roboticists to showcase their skills and knowledge with robotics and mechatronic systems through real-world challenges. Competitive robotics provides an excellent way for students to test their robots, improve their designs, and build the highest performing systems possible. In class competitions will provide students the opportunity to truly engage in an exciting and rewarding learning experience while developing skills in engineering. Exciting opportunities outside of the classroom at state, regional, national, and international robotics competitions will hone students' knowledge and skills!

ADVANCED TECHNOLOGY - ROBOTICS 4

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
Honors	Robotics 3 (80%) OR Teacher Rec.	1	Year	11-12	STEM

This course may earn college credits through CT State Community College - Quinebaug Valley.

This rigorous, completely hands-on course offers the ultimate experience for students looking to pursue careers in engineering, robotics, or mechatronics. Through competitive robotics, both in class and in regional, state, national, and international competitions, students will develop real-world skills in engineering design, collaboration, teamwork, project, time, and resource management, leadership, problem-solving, data analysis, and redesign. This class is designed for students that have completed at least Robotics 1 & 2 and that wish to take their accumulated experiences to a new level. It will require extensive work, focus, motivation, and the opportunity to compete outside of the classroom.

Video Production

INTRODUCTION TO VIDEO TECHNOLOGY

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	None	.5	Semester	9-12	EITHER/ARTS

This course covers the basics of television and video production. Learn video editing and how to operate the TV studio equipment while producing a variety of hands-on projects including news programs, commercials, music videos and more. This course is a prerequisite for all other video tech classes. Class will take place in the video editing lab and the TV studio.

FILM PRODUCTION

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	Intro to Video Technology (75%)	.5	Semester	10-12	EITHER/ARTS

The content of this course emphasizes “advanced” filmmaking techniques. Students in this course will work together as a movie crew to produce short movies. Emphasis will be put on pre-production planning, filming & editing a short film, and submitting your film to the Quiet Corner Film Festival. This course will stress teamwork and will require extra time outside of class for filming.

KHS PRODUCTIONS

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	Intro to Video Technology (75%)	.5	Semester	10-12	EITHER/ARTS

This class runs as a real working production company. Students in this class would work closely with community business partners to create corporate videos, web videos, commercials, or promotional materials. In the past students have worked with companies like Frito Lay, Mystic Seaport, Web Industries & Day Kimball Hospital. Students could also record after school events and activities like sports, concerts & drama. Students in this class would be REQUIRED to complete some filming outside of regular school hours.

BROADCAST JOURNALISM 1

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	Intro to Video Technology (75%)	.5	Semester	10-12	EITHER/ARTS

Broadcast Journalism 1 is an intermediate course designed to bridge the skills learned in Introduction to Video Technology with the advanced responsibilities of the Broadcast Journalism 2 (KTV) newsroom. Students deepen their understanding of visual storytelling, field and studio production, and on-air communication through hands-on, real-world media projects.

Students will produce short news packages, reporter stand-ups, voiceovers, and studio segments while strengthening their technical skills in camera operation, lighting, audio, and nonlinear editing. This course prepares students for the rigorous, deadline-driven workflow of the CP/Honors Broadcast Journalism class and provides the foundational skills needed for school news programs, live productions, and digital media communication.

BROADCAST JOURNALISM 2

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep OR Honors	Broadcast Journalism 1 (75%) & Dept. Head Approval	1	Year	11-12	EITHER/ARTS

Broadcast Journalism 2 is an advanced, honors-level course for students who have completed Broadcast Journalism 1. Students serve as the primary production staff for the school news program, KTV, producing regular episodes under real-world deadlines. Emphasis is placed on advanced storytelling, ethical journalism, studio and field production, leadership, and collaborative teamwork. Students rotate through professional roles such as producer, director, anchor, reporter, photographer/editor, and technical crew while working in both studio and on-location settings. This course prepares students for college-level media programs and careers in journalism, broadcasting, and digital media. Students signing up for this course will be required to interview with the Video Tech teacher to determine selection for the course. All sections will be available for HONORS credit if the student completes 4 (per Semester) activities/ projects/ requirements with teacher permission.

****THIS CLASS CAN BE TAKEN FOR EITHER CP OR HONORS CREDIT DURING BOTH JUNIOR AND SENIOR YEAR****

WORLD LANGUAGES DEPARTMENT

Course No.	Title	Level	Credit	Duration	Grade	DES.
WLGCP1406	French 1 CP *	College Prep	1	Year	9-12	HUM
WLGCP1408	Latin 1 CP *	College Prep	1	Year	9-12	HUM
WLGCP1410	Spanish 1 CP *	College Prep	1	Year	9-12	HUM
WLGHN1414	Latin 1 Honors *	Honors	1	Year	9-12	HUM
WLGCP1420	French 2 CP *	College Prep	1	Year	10-12	HUM
WLGHN1422	French 2 Honors *	Honors	1	Year	10-12	HUM
WLGHN1424	Latin 2 Honors *	Honors	1	Year	10-12	HUM
WLGCP1426	Spanish 2 CP *	College Prep	1	Year	9-12	HUM
WLGHN1428	Spanish 2 Honors *	Honors	1	Year	10-12	HUM
WLGCP1430	French 3 CP *	College Prep	1	Year	11-12	HUM
WLGHN1432	French 3 Honors *	Honors	1	Year	11-12	HUM
WLGAP1435	AP/ECE Latin 3 *	AP	1.5	Year	11-12	HUM
WLGCP1436	Spanish 3 CP *	College Prep	1	Year	11-12	HUM
WLGHN1438	Spanish 3 Honors *	Honors	1	Year	11-12	HUM
WLGHN1444	French 4 Honors *	Honors	1	Year	12	HUM
WLGAP1447	AP/ECE Latin 4 *	AP	1.5	Year	12	HUM
WLGHN1448	Spanish 4 Honors *	Honors	1	Year	12	HUM

NCAA approved course

FRENCH AND SPANISH

Using the 5 C's (*communication, cultures, connections, comparisons, and communities*) as the basis for all modern language course instruction (Spanish and French), the students will study language, customs and traditions while developing the communication skills necessary for understanding and communicating within such target cultures. The student will learn to comprehend written language, write proficiently, access, analyze, and draw conclusions from information to solve problems, and speak effectively. We are committed to preparing our students to be productive and responsible citizens who are lifelong learners, prepared to participate in a global community. Our program challenges our students intellectually, socially, and creatively, and encourages them to cultivate their unique talents in an environment that is supportive, structured, and secure.

LATIN

The World Languages Department offers four years of Latin, focusing on the language, literature, and culture of Roman civilization. Latin provides the roots for modern Romance languages, including French, Spanish, Portuguese, and Italian. It reflects the roots of most English words, usage, and spelling and terminology for fields of medicine, science, agriculture, and law. Graduates have gone on to careers in law, medicine, and teaching. Roman literature is a major influence on modern literature, American government, and Western culture. First-year students have the option of taking Latin 1 College Prep as an introduction or

Latin 1 Honors as the first step in the Latin honors track. Students in the third and fourth year earn six college credits in Latin at the University of Connecticut through the ECE Program, and fourth-year students take the Advanced Placement Examination for college credit.

FRENCH 1 CP

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	None	1	Year	9 - 12	HUM

Students will learn the fundamentals of the language with an emphasis on the vocabulary and grammar structures that enable them to communicate within common everyday situations. There will be an emphasis on asking and answering questions as well as an emphasis on conversations, which will include the vocabulary and grammatical structures from the lessons. Listening skills will be emphasized. At the end of the course, the students should be able to communicate in oral and written form within the limits of the topics completed. The communication at this level will stress the use of simple present and past tense.

LATIN 1 CP

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	None	1	Year	9 - 12	HUM

This course introduces students to the Latin language's grammar, vocabulary, syntax, and structure. The study of Latin develops English word usage and spelling as well as skills in comprehending the meaning of sentences through reading and translating Latin text, introducing students to Roman literature, culture, history, and mythology. Students, from learning to study, modeling, tests and beginning in-class translation, develop a cumulative vocabulary and comprehension important to mastery in First Year as well as subsequent classes of Latin. Passages are discussed as a foundation for modern culture. This course is recommended for improving English vocabulary and reading as well as for all college-bound students—especially those interested in study of law, medicine, biology, botany, and agriculture.

SPANISH 1 CP

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	None	1	Year	9 - 12	HUM

Students will learn the fundamentals of the language with an emphasis on the vocabulary and grammar structures that enable them to communicate within common everyday situations. There will be an emphasis on asking and answering questions as well as an emphasis on conversations, which will include the vocabulary and grammatical structures from the lessons. Listening skills will be emphasized. At the end of the course, the students should be able to communicate in oral and written form within the limits of the topics completed. The communication at this level will stress the use of simple present tense. Students will be able to read and understand at the novice mid-level of the language.

LATIN 1 HONORS

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
Honors	Concurrent enrollment in HN English	1	Year	9 - 12	HUM

This course introduces students to the Latin language's grammar, vocabulary, syntax, and structure. The study of Latin develops English word usage and spelling as well as skills in comprehending the meaning of sentences through reading and translating Latin text, introducing students to Roman literature, culture, history, and mythology. As Honors Latin 1 is accelerated, students, from learning to study, modeling, and beginning in-class translation, will complete two-thirds of the complete Latin grammar, vocabulary, and syntax necessary for upper-level study of Latin—which earns college credit at University of Connecticut for students in the Honors third and fourth year. Passages of original text will be discussed as a foundation for modern culture. Students will also read history of the Roman Republic. This course is recommended for all college-bound students, especially those interested in study of law, medicine, biology, botany, and agriculture. It is also important as a foundation for the study of Romantic languages and art history.

FRENCH 2 CP

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	French 1 with at least a 75% OR Teacher approval	1	Year	10 - 12	HUM

Following a short review of the basic grammar and vocabulary introduced in the first year, the students will be given more extensive vocabulary and grammar concepts to enable them to communicate orally and in writing in a slightly more sophisticated manner. They will learn more complex verb tenses that facilitate communication and narrative modes in the present, past and future. Through the course's content, the students will explore the customs and traditions of the people of the French speaking world. Listening and speaking skills will be emphasized. Students will be able to read and understand basic selections and discuss them at an intermediate level.

FRENCH 2 HONORS

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
Honors	French 1 with at least a 90% OR Teacher approval	1	Year	10 - 12	HUM

This is an accelerated level 2 program that increases the student's listening comprehension, speaking, reading, and writing skills. Emphasis is on more complex grammar structures and cultural topics. Students will be able to read and understand basic selections and discuss them at an intermediate level.

LATIN 2 HONORS

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
Honors	Latin 1 with at least a 80% OR Teacher approval	1	Year	10 - 12	HUM

Students complete study of Latin grammar and read selections of Roman history, mythology, comedy, and satire. Daily reading develops speed, accuracy, comprehension, and independence in the language as well as provide study of Roman civilization as the foundation for American government and western literature. Students will also apply Latin roots, words, and sentence structures in English composition. Students will read Apollonius' *Argonautica*, "The Story of Roman History" of Livy, and selections from *Commentaries* of Julius Caesar, Ovid's *Metamorphoses*, and comedies of Plautus. This course is recommended for students interested in studying the medical field, law, agriculture, literature, and other languages.

SPANISH 2 CP

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	Spanish 1 with at least a 75% OR Teacher approval	1	Year	9 - 12	HUM

Following a short review of the basic grammar and vocabulary introduced in the first year, the students will be given more extensive vocabulary and grammar concepts to enable them to communicate orally and in writing in a slightly more sophisticated manner. They will learn more complex verb tenses that facilitate communication and narrative modes in the present, past and simple future. Through the course's content, the students will explore the customs and traditions of the people of the Spanish speaking world. Listening and speaking skills will be emphasized. Students will be able to read and understand basic selections and discuss them at an intermediate level.

SPANISH 2 HONORS

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
Honors	Spanish 1 with at least a 90% OR Teacher approval	1	Year	9 - 12	HUM

This is a more in-depth level 2 program that increases the student's listening comprehension, speaking, reading, and writing skills. Emphasis is on more complex grammar structures and cultural topics. Students will be able to read and understand basic selections and discuss them at an intermediate level.

FRENCH 3 CP

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	French 2 with at least a 75% OR Teacher approval	1	Year	11 & 12	HUM

The main objective of the third year is to enable the student to attain an increased degree of communicative competency and proficiency in each of the five language skills: listening, speaking, reading, writing and cultural awareness. The students will also continue to study some of the remaining grammatical structures. There will be, in addition to the grammar, an emphasis on writing short compositions and the presentation of short conversations.

FRENCH 3 HONORS

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
Honors	French 2 with at least a 90% OR Teacher approval	1	Year	11 & 12	HUM

Honors French 3 students will begin their study through summer work. The main objective of the third year is to enable the student to attain an increased degree of communicative competency and proficiency in each of the five language skills: listening, speaking, reading, writing and cultural awareness. The students will also continue to study some of the remaining grammatical structures. . There will be, in addition to the grammar, an emphasis on short readings and the writing of short compositions and the presentation of short conversations and oral compositions.

AP/ECE LATIN 3

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
AP/ECE	HN Latin 2 with C or higher OR Teacher approval	1.5	Year	11 & 12	HUM

To earn the 3 available UCONN credits, students must complete the UCONN Early College Experience (ECE) application and enrollment steps, and submit any applicable course fees.

This course is for third and fourth year students of Latin. Students read selections from Caesar's *Gallic War*, Cicero's *Pro Caelio*, and Pliny's *Letters* for their history, sentence structure, grammatical elements, syntax, and literary motifs. Students also will read selections from Vergil's *Aeneid* and Catullus' *Poems* and analyze them for sound, structure, literary motifs. The course moves between translation and textual analysis, and meaning. Students are encouraged to take the SAT Subject test in Latin. This course prepares students for the Advanced Placement examination in Vergil and Caesar. Successful students will earn three credits at the University of Connecticut.

SPANISH 3 CP

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
College Prep	Spanish 2 with at least a 75% OR Teacher approval	1	Year	10 - 12	HUM

The main objective of the third year is to enable the student to attain an increased degree of communicative competency and proficiency in each of the five language skills: listening, speaking, reading, writing and cultural awareness. The students will also continue to study some of the remaining grammatical structures. There will be, in addition to the grammar, an emphasis on writing short compositions and the presentation of short conversations.

SPANISH 3 HONORS

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
Honors	Spanish 2 with at least a 90% OR Teacher approval	1	Year	10 - 12	HUM

The main objective of the third year is to enable the student to attain an increased degree of communicative competency and proficiency in each of the five language skills: listening, speaking, reading, writing and cultural awareness. The students will also continue to study some of the remaining grammatical structures. There will be, in addition to the grammar, an emphasis on short readings and the writing of short compositions and the presentation of short conversations and oral compositions.

FRENCH 4 HONORS

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
Honors	French 3 with at least a 80% OR Teacher approval	1	Year	12	HUM

The French IV program is a bridge between the French III and French V. It includes an advanced review of several verb tenses and more complex grammar structures. Students will improve their reading skills as they read short stories by various French authors. There will be a greater emphasis on writing and speaking.

AP/ECE LATIN 4

<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
AP/ECE	AP/ECE Latin 3	1.5	Year	11 & 12	HUM

To earn the 3 available UCONN credits, students must complete the UCONN Early College Experience (ECE) application and enrollment steps, and submit any applicable course fees.

This course is for third- and fourth-year students of Latin. Students read selections from Vergil's *Aeneid* and read to understand the poet's purpose, poetic techniques, characteristics of epic poetry, and connection to civil war and Augustan peace. The course moves between translation

and analysis of sound, structure, motifs, and application of literary criticism. The course earns 3 credits at the University of Connecticut for the student who earns a grade of C or higher. Students may also earn college credit by taking the Advanced Placement Examination in Vergil and Caesar. Students are encouraged to take the SAT II in Latin.

SPANISH 4 HONORS

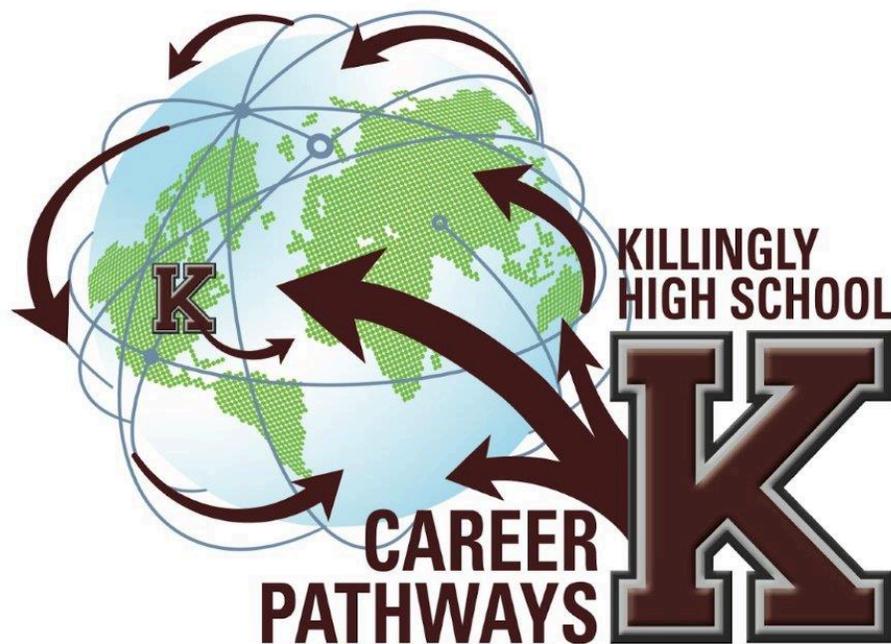
<i>Level</i>	<i>Prerequisites</i>	<i>Credit</i>	<i>Duration</i>	<i>Grade</i>	<i>Designation</i>
Honors	Spanish 3 with at least an 80% OR Teacher approval	1	Year	11 & 12	HUM

The fourth year Spanish will continue the development of oral skills and improve reading skills to acquaint the student with all genres of culturally relevant materials to give the student a broad view of contemporary Spanish and Latin-American life. The selections come from newspapers, magazines, short stories, drama, and historical cultural textbooks. The study of grammar is focused primarily on the differences between these cultures. It includes an advanced review of several verb tenses and more. The emphasis is on thinking, speaking, and writing in Spanish.

KILLINGLY HIGH SCHOOL CAREER PATHWAYS PROGRAM

**Killingly High School Career Center
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Killingly, CT 06241
(860) 779-6663**

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Career Pathways are a cornerstone of career-connected learning, aligning education with the skills and experiences needed for success in today’s economy. They deliver clear benefits for students, educators, employers, and communities, including:

Recognized Credentials and Transparency: Students who complete one or more career pathways earn recognition at graduation, with pathways documented on academic transcripts to clearly communicate skills and experiences to colleges and employers.

Seamless Transitions to Postsecondary Education: Career Pathways support concurrent enrollment, industry-recognized credentials, and other opportunities that accelerate progress toward college and workforce credentials.

Career-Connected Learning: Students connect academic content to real-world applications, gaining a deeper understanding of how classroom learning translates to careers and industries.

Student Engagement and Purpose: By linking education to future opportunities, Career Pathways increase student motivation, engagement, and persistence.

Informed Choice and Flexibility: Pathways provide structured guidance while allowing students to explore interests, change direction, and adapt to evolving career goals.

Academic Rigor and Relevance: Career Pathways integrate rigorous academic instruction—including STEAM, literacy, and social sciences—within authentic workplace and industry contexts.

Work-Based and Experiential Learning: Students participate in internships, job shadows, project-based learning, and employer-led experiences that build practical skills and professional competencies.

Early and Ongoing Career Exploration: Career development begins early and continues through graduation, ensuring students understand career options and the education required to access them.

Employer-Aligned Skill Development: Career Pathways prepare students with in-demand skills such as teamwork, problem-solving, communication, and systems thinking valued by employers.

Equitable Access to Opportunity: Well-designed Career Pathways expand access to high-quality education and career opportunities for all students, supporting economic mobility and community prosperity.

A Stronger Workforce and Economy: Career Pathways develop adaptable, skilled talent prepared to succeed in the workforce, contribute to their communities, and meet the needs of a rapidly changing economy.

(Adapted from recent guidance and frameworks from the U.S. Chamber of Commerce Foundation, Institute for a Competitive Workforce)

How Do KHS Students Choose a Career Pathway?

KHS students choose a Career Pathway in their freshman year and may revise it annually based on their interests, experiences, and career exploration. Students who complete the required credits are recognized at graduation with an award and medallion.

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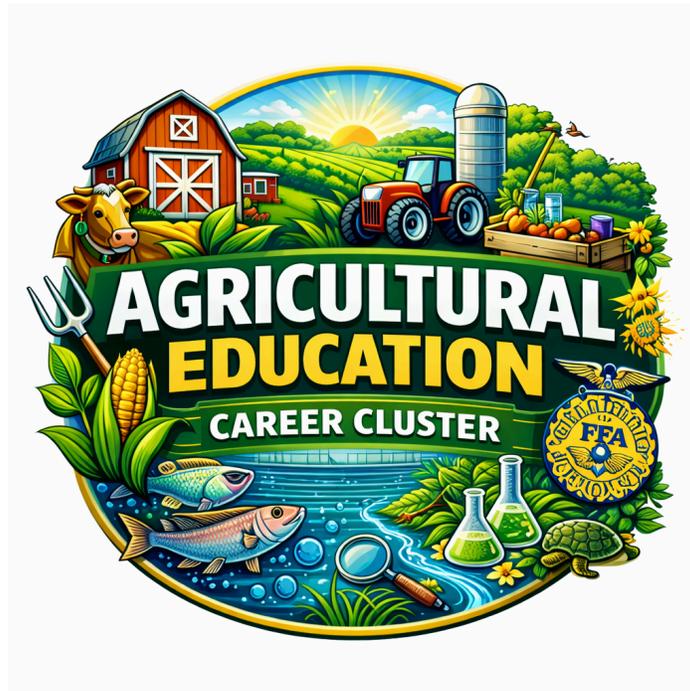
Early Childhood Education
Human Services*
World Language*

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Global Studies*
Legal Services*

**Pathway completers may earn college credit for one or more courses depending on the student's course choices and availability. See specific pathway pages to find courses with college credit articulation.*



Career Pathways

Agricultural Engineering
Animal Science
Aquaculture Science
Environmental Science
Food Science
Plant Science

Career Pathway: AGRICULTURAL ENGINEERING
Career Cluster: AGRICULTURAL EDUCATION

To complete the **Agricultural Engineering Career Pathway**, students must earn credit in Agricultural Education 1, Agricultural Engineering 2, one 1.5 credit Agricultural Engineering Pathway Course*, 1 credit in Supervised Ag Experience**, and a Job Shadow in Agricultural Engineering.

To complete the **Agricultural Engineering Advanced Career Pathway**, students must complete the additional 1.5 credit Agricultural Engineering Pathway Course* and earn a total of 1.5 credits in Supervised Ag Experience**. Advanced Pathway Completer status can also be awarded to students for excellent AFNR career skill development in an immersion SAE at the Career Pathway teacher’s discretion.

Required for all Agricultural Education Pathways	Credits Earned at KHS	College Credits Earned
Agricultural Education 1	1	
Supervised Agricultural Experience **can be enrolled multiple times for credit	.5	
Ag Engineering Career Pathway Courses	Credits Earned at KHS	College Credits Earned
Agricultural Engineering 2	1	
Agricultural Power and Technical Systems*	1.5	
Agricultural Structural Systems*	1.5	
Nursery Landscape*	1.5	3 (UCONN)
PGR 1.8 – Job Shadow in Ag Engineering	PGR	
Other Recommended Courses	Credits Earned at KHS	College Credits Earned
Projects in Agricultural Mechanics	.5	
Aquaculture and Aquaponics	.5	
Construction Technology & Engineering	.5	
Entrepreneurship	.5	
Business Management	1	3 (CT STATE QV)
Robotics	.5	

Instructor: Calvin Brodersen

This Career Pathway could lead to one of the following careers: Welder, Supply Chain Specialist, Builder, Carpenter, Surveyor, Equipment Operator, Landscaper, Electrician, Equipment Salesperson, Truck Driver, Diesel Mechanic, Small Engine Repair Technician, Farmer, Agricultural Equipment Repair Technician, Machinist, Materials Fabricator, and others. (Rev'd 1/25)

Career Pathway: ANIMAL SCIENCE
Career Cluster: AGRICULTURAL EDUCATION

To complete the **Animal Science Career Pathway**, students must earn credit in Agricultural Education 1, Animal Science 2, one 1.5 credit Animal Science Pathway Course*, 1 credit in Supervised Ag Experience**, and a Job Shadow in Animal Science.

To complete the **Animal Science Advanced Career Pathway**, students must complete the additional 1.5 credit Animal Science Pathway Course* and earn a total of 1.5 credits in Supervised Ag Experience**. Advanced Pathway Completer status can also be awarded to students for excellent AFNR career skill development in an immersion SAE at the Career Pathway teacher's discretion.

Required for all Agricultural Education Pathways	Credits Earned at KHS	College Credits Earned
Agricultural Education 1	1	
Supervised Agricultural Experience **can be enrolled multiple times for credit	.5	
Animal Science Career Pathway Courses	Credits Earned at KHS	College Credits Earned
Animal Science 2	1	
Introduction to Companion Animals ECE*	1.5	3 (UCONN)
Production Animal Science*	1.5	
Principles of Food Science*	1.5	
PGR 1.8 – Job Shadow in Animal Science	PGR	
Other Recommended Courses	Credits Earned at KHS	College Credits Earned
Projects in Agricultural Mechanics	.5	
Construction Technology & Engineering	.5	
Equine Science	.5	
Honors or AP Chemistry	1	
Honors or AP Biology	1	
Business Management	1	3 (CT STATE QV)
Entrepreneurship	.5	
Marketing	1	

Instructor: Rebecca Pond

This Career Pathway could lead to one of the following careers: Veterinary Technician, Veterinarian, Farm Manager, Laboratory Assistant, Groomer, Kennel Worker, Animal Trainer, Animal Caretaker, Animal Breeder, Biologist, Zoologist, Agricultural or Food Scientist, Meat Inspector, Pathologist, Beekeeper, Animal Geneticist, and others. (Rev'd 1/25)

Career Pathway: AQUACULTURE SCIENCE
Career Cluster: AGRICULTURAL EDUCATION

To complete the **Aquaculture Career Pathway**, students must earn credit in Agricultural Education 1, Environmental Science and Aquaculture 2, .5 credit Aquaculture and Aquaponics Career Pathway Course*, 1 credit in Supervised Ag Experience**, and a Job Shadow in Aquaculture.

To complete the **Aquaculture Advanced Career Pathway**, students must demonstrate the development of career skills in the area of Aquaculture through their performance in an immersion SAE and/or an independent study project in the Aquaculture Lab. This is awarded at the discretion of the Career Pathway teacher.

Required for all Agricultural Education Pathways	Credits Earned at KHS	College Credits Earned
Agricultural Education 1	1	
Supervised Agricultural Experience **can be enrolled multiple times for credit	.5	
Aquaculture Career Pathway Courses	Credits Earned at KHS	College Credits Earned
Environmental & Aquaculture 2	1	
Aquaculture & Aquaponics*	.5	
PGR 1.8 – Job Shadow in Aquaculture	PGR	
Other Recommended Courses	Credits Earned at KHS	College Credits Earned
Biotechnology	1	3 (UCONN)
Principles of Food Science	1.5	
AP Environmental Science	1.5	3 (UCONN)
Entrepreneurship	.5	
Honors or AP Chemistry	1	
Honors or AP Biology	1	
Business Management	1	
Projects in Ag Mechanics	.5	
Construction Technology and Engineering	.5	

Instructor: Courtney Cardinal

This Career Pathway could lead to one of the following careers: Wildlife or Marine Biologist, Fishery Technician, Water Quality Technician, Aquaculture Manager, Aquarist, Natural Resource Manager, Marine Engineer, Oceanographer, Fish Farmer, Biological Technician, Researcher, and others. (Rev'd 1/25)

Career Pathway: FOOD SCIENCE
Career Cluster: AGRICULTURAL EDUCATION

To complete the **Food Science Career Pathway**, students must earn credit in Agricultural Education 1, Food Science & Biotechnology 2, one 1.5 credit Food Science Pathway Course*, 1 credit in Supervised Ag Experience** and a Job Shadow in Food Science.

To complete the **Food Science Advanced Career Pathway**, students must complete the additional 1.5 credit Food Science Pathway Course* and earn a total of 1.5 credits in Supervised Ag Experience**. Advanced Pathway Completer status can also be awarded to students for excellent AFNR career skill development in an immersion SAE at the Career Pathway teacher's discretion.

Required for all Agricultural Education Pathways	Credits Earned at KHS	College Credits Earned
Agricultural Education 1	1	
Supervised Agricultural Experience **can be enrolled multiple times for credit	.5	
Food Science Career Pathway Courses	Credits Earned at KHS	College Credits Earned
Food Science and Biotechnology 2	1	
Biotechnology ECE*	1.5	3 (UCONN)
Principles of Food Science*	1.5	
Production Animal Science*	1.5	
PGR 1.8 – Job Shadow in Food Science	PGR	
Other Recommended Courses	Credits Earned at KHS	College Credits Earned
Aquaculture and Aquaponics	.5	
Sustainable Food Production	.5	
Environmental Science	1.5	3 (UCONN)
Honors or AP Chemistry	1	
Honors or AP Biology	1	
Business Management	1	3 (CT STATE QV)
Entrepreneurship	.5	
Marketing	1	

Instructor: Heather Lopez

This Career Pathway could lead to one of the following careers: Agricultural or Food Scientist, Food Inspector, Microbiologist, Food Product Ingredient Scientist, Quality Control Specialist, Food Chemist, Sensory Scientist, Milk Plant Operations, Flavorist, and others. (Rev'd 1/25)

Career Pathway: ENVIRONMENTAL SCIENCE
Career Cluster: AGRICULTURAL EDUCATION

To complete the **Environmental Science Career Pathway**, students must earn credit in Agricultural Education 1, Environmental Science and Aquaculture 2, one 1.5 credit Environmental Science Pathway Course*, 1 credit in Supervised Ag Experience** and a Job Shadow in Environmental Science.

To complete the **Environmental Science Advanced Career Pathway**, students must complete the additional 1.5 credit Environmental Science Pathway Course* and earn a total of 1.5 credits in Supervised Ag Experience**. Advanced Pathway Completer status can also be awarded to students for excellent AFNR career skill development in an immersion SAE at the Career Pathway teacher’s discretion.

Required for all Agricultural Education Pathways	Credits Earned at KHS	College Credits Earned
Agricultural Education 1	1	
Supervised Agricultural Experience **can be enrolled multiple times for credit	.5	
Environmental Science Career Pathway Courses	Credits Earned at KHS	College Credits Earned
Environmental Science and Aquaculture 2	1	
Introduction to Environmental Science ECE*	1.5	3 (UCONN)
Ecology of Fish and Wildlife*	1.5	
Biotechnology ECE*	1.5	3(UCONN)
PGR 1.8 – Job Shadow in Environmental Science	PGR	
Other Recommended Courses	Credits Earned at KHS	College Credits Earned
Aquaculture and Aquaponics	.5	
Honors or AP Level Chemistry	1	
Honors or AP Level Biology	1	
Projects in Ag Mechanics	.5	
Sustainable Food Production	.5	
Construction Technology & Engineering	.5	

Instructor: Courtney Cardinal

This Career Pathway could lead to one of the following careers: Wildlife Biologist, Environmental Engineer, Forester, Natural Resource Manager, Park Ranger, Naturalist, Conservation Officer, Soil or Plant Scientist, Oceanographer, Ecologist, Environmental Policy and Planning, Renewable Energy, and others. (Rev'd 1/25)

Career Pathway: PLANT SCIENCE
Career Cluster: AGRICULTURAL EDUCATION

To complete the **Plant Science Career Pathway**, students must earn credit in Agricultural Education 1, Plant Science 2, one 1.5 credit Plant Science Pathway Course*, 1 credit in Supervised Ag Experience** and a Job Shadow in Plant Science.

To complete the **Plant Science Advanced Career Pathway**, students must complete the additional 1.5 credit Plant Science Pathway Course* and earn a total of 1.5 credits in Supervised Ag Experience**. Advanced Pathway Completer status can also be awarded to students for excellent AFNR career skill development in an immersion SAE at the Career Pathway teacher's discretion.

Required for all Agricultural Education Pathways	Credits Earned at KHS	College Credits Earned
Agricultural Education 1	1	
Supervised Agricultural Experience **can be enrolled multiple times for credit	.5	
Plant Science Career Pathway Courses	Credits Earned at KHS	College Credits Earned
Plant Science 2	1	3 (UCONN)
Floriculture ECE*	1.5	4 (UCONN)
Nursery & Landscape ECE*	1.5	3 (UCONN)
Biotechnology ECE*	1.5	3 (UCONN)
PGR 1.8 – Job Shadow in Plant Science	PGR	
Other Recommended Courses	Credits Earned at KHS	College Credits Earned
Projects in Plant Science	.5	
Aquaculture and Aquaponics	.5	
AP Environmental Science	1.5	3 (UCONN)
Honors or AP Chemistry and Biology	1	
Business Management	1	3 (CT STATE QV)
Entrepreneurship	.5	
Construction Technology & Engineering	.5	

Instructor: Bethany Knowlton

This Career Pathway could lead to one of the following careers: Floral Designer, Landscape Designer, Turf Grass Manager, Golf Course Superintendent, Sports Field Manager, Landscape Architect, Agricultural Education Teacher, Florist, Botanist, Entomologist, Geneticist, Christmas Tree Farmer, Greenhouse Manager, Vegetable Gardener, Sustainable Agriculturist, Soil Scientist, and others. (Rev'd 1/25)



Career Pathways

Broadcast Television
Digital Arts & Design
Fine Arts
Graphic Design
Journalism
Performing Arts Music – Instrumental
Performing Arts – Theatre
Performing Arts Music – Vocal
Photography

Career Pathway: BROADCAST TELEVISION
Career Cluster: ARTS & COMMUNICATION

To complete the **Broadcast Television Career Pathway**, students must complete the required courses within Section 1 and earn a minimum of 2 credits within Section 2. **(4 credits)**

To complete this **Advanced Pathway**, students must complete the required courses within Sections 1 and 2 and earn a minimum of 2 credits in Section 3. **(6 credits)**

Section 1 – Required Courses	Credits Earned at KHS	College Credits Earned
Introduction to Video Technology	.5	
Broadcast Journalism 1	.5	
Broadcast Journalism 2	1	
PGR 1.8 – Job Shadow in Broadcast Television	PGR	
Section 2 – Additional Courses	Credits Earned at KHS	College Credits Earned
KHS Productions	.5	
Digital Photography 1	.5	
Digital Photography 2	.5	
Graphic Design 1	.5	
Creative Writing	.5	
Sport Management	.5	
Business Communication	.5	3 (ECSU)
Contemporary Issues	.5	
World Language 2	1	
Journalism 1	1	
Section 3 – Advanced Courses	Credits Earned at KHS	College Credits Earned
Honors English 3 or 4 or higher	1	
Honors Journalism 2	1	
Honors Chemistry or Physics	1	
AP Art	1	

Instructor: Dan Durand

This Career Pathway could lead to one of the following careers: Assistant Director, Associate Producer, Audio Engineer, Camera Operator, Computer Graphics Operator, Director, Editor, Engineer, Floor Director, Lighting Director, News Anchor, News Reporter, News Producer, Podcast Producer, Production Assistant, Publicity & Promotions, Research, Script Writer, and Technical Director. (Rev'd 1/26)

Career Pathway: DIGITAL ARTS & DESIGN
Career Cluster: ARTS & COMMUNICATION

To complete the **Digital Arts & Design Pathway**, students must complete the required courses within Section 1 and earn a minimum of 2.5 credits within Section 2. **(4 credits)**

To complete this **Advanced Pathway**, students must complete the required courses within Sections 1 and 2, and earn a minimum of 2 credits in Section 3. **(6 credits)**

Section 1 – Required Courses	Credits Earned at KHS	College Credits Earned
Film Production	.5	
Digital Imaging	.5	
Digital Photography 2	.5	
PGR 1.8 – Job Shadow in Digital Arts	PGR	
Section 2 – Additional Courses	Credits Earned at KHS	College Credits Earned
Illustration	.5	
Broadcast Journalism 1	.5	
Digital Photography 1	.5	
Graphic Design 1	.5	
Graphic Design 2	.5	
Creative Writing	.5	
Intro to Video Tech	.5	
Yearbook	1	
Marketing	1	
Section 3 – Advanced Courses	Credits Earned at KHS	College Credits Earned
Honors English 3 or 4 or higher	1	
Broadcast Journalism 2	1	
Chemistry or Physics	1	
AP Art	1	

Instructor: Dan Durand

This Career Pathway could lead to one of the following careers: Assistant Director, Associate Producer, Audio Engineer, Camera Operator, Computer Graphics Operator, Director, Editor, Engineer, Floor Director, Lighting Director, News Anchor, News Reporter, News Producer, Podcast Producer, Production Assistant, Publicity & Promotions, Research, Script Writer, and Technical Director. (Rev'd 1/26)

Career Pathway: FINE ARTS
Career Cluster: ARTS & COMMUNICATION

To complete the **Fine Arts Career Pathway**, students must complete the required courses within Section 1 and complete a minimum of 1 credit within Section 2. **(3 credits)**

To complete this **Advanced Pathway**, students must complete the required courses within Section 1 and complete a minimum of 2 credits within Section 2. **(4 credits)**

Section 1 – Required Courses	Credits Earned at KHS	College Credits Earned
Sculpture 1	.5	
Drawing 1	.5	
Painting 1	.5	
Sculpture 2/Drawing 2/Painting 2	.5	
PGR 1.8 – Job Shadow in Fine Arts	PGR	
Section 2 – Additional Courses	Credits Earned at KHS	College Credits Earned
Art Exploration	.5	
Craft Arts	.5	
Sculpture 2/Drawing 2/Painting 2	.5	
Graphic Design 1	.5	
Graphic Design 2	.5	
Digital Photography 1	.5	
Digital Photography 2	.5	
Digital Imaging	.5	
AP Art	1	
Architectural Engineering 1	.5	
Architectural Engineering 2	.5	
Construction Applications	.5	
Mechanical Drafting	.5	
Entrepreneurship	.5	
Business Communication	.5	3 (ECSU)

Instructor: Elizabeth Bauman & Jamie Carver

This Career Pathway could lead to one of the following careers: Graphic Design, Web Design, Fashion Design, Interior Design, UX Designer, UI Designer, Concept Artist, Animator, Illustrator, Marketing Designer, Art Educator, Art Historian, Portrait Artist, Museum Docent/ Curator, Art Therapist, Art & Culture Program Developer/ Director, Billboard Artist, Digital Imager, Exhibiting Artist, Muralist, Printmaker, Scenic Artist, Textile Artist, Sculptor, Set Design. (Rev'd 1/26)

Career Pathway: GRAPHIC DESIGN
Career Cluster: ARTS & COMMUNICATION

To complete the **Graphics Design Career Pathway**, students must complete the required courses within Section 1 and complete a minimum of 1.5 credits within Section 2. **(3 credits)**

To complete this **Advanced Pathway**, students must complete the required courses within Section 1 and complete a minimum of 2.5 credits within Section 2. **(4 credits)**

Section 1 – Required Courses	Credits Earned at KHS	College Credits Earned
Graphic Design 1	.5	
Graphic Design 2	.5	
Digital Imaging	.5	
PGR 1.8 – Job Shadow in Graphic Design	PGR	
Section 2 – Additional Courses	Credits Earned at KHS	College Credits Earned
Art Exploration	.5	
Drawing 1	.5	
Drawing 2	.5	
Digital Photography 1	.5	
Digital Photography 2	.5	
Mechanical Drafting	.5	
Mechanical Engineering	.5	
Adv. Engineering Design & Development	.5	
Intro to Video Technology	.5	
Film Production	.5	
Broadcast Journalism 1	.5	
Broadcast Journalism 2	1	
AP Art	1	
Business Communication	.5	3 (ECSU)
Entrepreneurship	.5	
Marketing	1	

Instructor: Jamie Carver

This Career Pathway could lead to one of the following careers: Advertising Art Director, Animator, Creative Director, Graphic Designer, Illustrator, Printmaker, Production Designer, Theatre/ Television/ Film, Multimedia/Interactive Designer, Web Designer, Logo Designer, Brand Identity Designer, Flash Designer, Creative/Art Director, Photo Editing/Photoshop Artist, Layout Artist, Exhibition designer, Fine Artist, Interior and Spatial Designer, Landscape Architect, Medical Illustrator, Multimedia Specialist, Photographer, Stylist, UX Designer, Desktop Publisher, Drafter, Industrial Designer, Technical Writers, Web Developer, Toy Designer, 3D Design, Special Effects, Promotional Designer, Marketing Consultant, Freelance Designer, Video Game Design, and Furniture Design. (Rev'd 1/26)

Career Pathway: JOURNALISM
Career Cluster: ARTS & COMMUNICATION

To complete the **Journalism Career Pathway**, students must complete the required courses within Section 1 and earn a minimum of 2 credits within Section 2. **(4 credits)**

To complete this **Advanced Pathway**, students must complete the required courses within Section 1 and earn a minimum of 3 credits within Section 2. **(5 credits)**

Section 1 – Required Courses	Credits Earned at KHS	College Credits Earned
Journalism 1	1	
Journalism 2	1	
PGR 1.8 – Job Shadow in Journalism	PGR	
Section 2 – Additional Courses	Credits Earned at KHS	College Credits Earned
Creative Writing	.5	
Broadcast Journalism 1	.5	
Broadcast Journalism 2	1	
Marketing	1	
Digital Photography 1	.5	
Digital Photography 2	.5	
Introduction to Video Technology	.5	
Graphic Design 1	.5	
Graphic Design 2	.5	
Sport Management	.5	
Contemporary Issues	.5	
Art Exploration	.5	
Digital Imaging	.5	
Business Communication	.5	3 (ECSU)

Instructor: Michael Raheb

This Career Pathway could lead to one of the following careers: Author, Brand Developer, Business Writer, Court Reporter Electronic Media Specialist, Free Lance Journalist, Magazine Contributor, Marketing, News Anchor, News Producer, News Reporter, News Foreign Correspondent, Social Media Content Developer, Podcast Developer, Policy Developer, Publisher, Production Assistant Researcher, Teacher, Script Writer, Public Relations, and Technical Writer.

(Rev'd 1/26)

Career Pathway: PERFORMING ARTS MUSIC - INSTRUMENTAL
Career Cluster: ARTS & COMMUNICATION

To complete the **Instrumental Music Career Pathway**, students must complete the required courses within Section 1 and earn a minimum of 2.5 credits within Section 2. **(5.5 credits)**

To complete this **Advanced Pathway**, students must complete 3 courses within Section 1 and earn a minimum of 5 credits within Section 2 OR complete Symphonic Winds / Percussion 4 and AP/ECE Music Theory. **(8 credits OR 5.5 credits)**

Section 1 – Required Courses	Credits Earned at KHS	College Credits Earned
Symphonic Winds 1 / Percussion Ensemble 1	1	
Symphonic Winds 2 / Percussion Ensemble 2	1	
Symphonic Winds 3 / Percussion Ensemble 3	1	
PGR 1.8 – Job Shadow in Instrumental Music	PGR	
Section 2 – Additional Courses	Credits Earned at KHS	College Credits Earned
Beginner Guitar	.5	
Intermediate/Advanced Guitar	.5	
Introduction to Music Theory	.5	3 (UCONN)
Marching Band	.5	
Music Technology 1	.5	
Music Technology 2	.5	
Chamber Choir	.5	
Concert Choir	1	
Symphonic Winds 4/Percussion Ensemble 4	1	
AP/ECE Music Theory	1.5	3 (UCONN)
Business Communication	.5	3 (ECSU)

Instructor: Benjamin Olsen

This Career Pathway could lead to one of the following careers: Professional Vocalist, Professional Instrumentalist, PreK-8 Music Educator, 9-12 Music Educator, Collegiate Music Educator, Music Therapist, Music Journalist/Writer, Lobbyist, Music Historian/Theorist, Composer/Arranger, copyist/ Score Preparer, Music/Arts Management, Music/Instrument Retail, Song Writer, Recording Engineer, Conductor, Private Music Instructor, and Music Librarian. (Rev'd 1/26)

Career Pathway: PERFORMING ARTS - THEATRE
Career Cluster: ARTS & COMMUNICATION

To complete the **Performing Arts – Theatre Career Pathway**, students must complete 1.5 credits within Section 1 and earn a minimum of 2.5 credits within Section 2.

To complete this **Advanced Pathway**, students must provide evidence of participation in 2 or more theatrical performances in venues other than KHS.

Section 1 – Required Courses	Credits Earned at KHS	College Credits Earned
Theatre Arts	.5	
Participate in School Drama Production for 3 years	.5 credits per performance toward Pathway, but NOT toward graduation	
Participate in a major public speaking event (Audience of greater than 150)		
PGR 1.8 – Job Shadow in Theatre Arts	PRG	
Section 2 – Additional Courses	Credits Earned at KHS	College Credits Earned
Journalism 1	1	
Creative Writing	1	
Symphonic Winds	1	
CP Percussion Ensemble	1	
CP Concert Choir	1	
Construction Applications	1	
Child Development 1	.5	
Film Production	.5	
Digital Photography 1	.5	
Art Exploration	.5	
Drawing 1	.5	
Documentation of participation as cast or crew in community theatre event	Counts as .5 credit towards pathway PER PERFORMANCE, but NOT toward graduation (UP TO 1.5 CREDITS)	

Instructor: Jason Largent

This Career Pathway could lead to one of the following careers: Actor, Actress, Artistic Director, Casting Director, Producer, Director, Mime, Performance Artist, Puppeteer, Dramaturge, Storyteller, Theatre Therapist, Instructor, Drama Teacher, Script Writer, Production Assistant, Human Resource Specialist, Public Relations, Social Worker, Teacher, Child Life Specialist, and Lawyer. (Rev'd 1/26)

Career Pathway: PERFORMING ARTS MUSIC - VOCAL
Career Cluster: ARTS & COMMUNICATION

To complete the **Vocal Music Career Pathway**, students must complete the required courses within Section 1 and earn a minimum of 2.5 credits within Section 2. **(5.5 credits)**

To complete this **Advanced Pathway**, students must complete the required courses within Section 1 and earn a minimum of 5 credits within Section 2 or complete Concert Choir and AP/ECE Music Theory. **(8 credits OR 5.5 credits)**

Section 1 – Required Courses	Credits Earned at KHS	College Credits Earned
Concert Choir 1	1	
Concert Choir 2	1	
Concert Choir 3	1	
PGR 1.8 – Job Shadow in Vocal Music	PGR	
Section 2 – Additional Courses	Credits Earned at KHS	College Credits Earned
Chamber Choir	.5	
Beginner Guitar	.5	
Intermediate/Advanced Guitar	.5	
Introduction to Music Theory	.5	3 (UCONN)
Marching Band	.5	
Music Technology 1	.5	
Music Technology 2	.5	
Symphonic Winds	1	
Percussion Ensemble	1	
Concert Choir 4	1	
AP/ECE Music Theory	1.5	3 (UCONN)
Business Communication	.5	3 (ECSU)

Instructor: Jason Largent

This Career Pathway could lead to one of the following careers: Professional Vocalist, Professional Instrumentalist, PreK-8 Music Educator, 9-12 Music Educator, Collegiate Music Educator, Music Therapist, Music Journalist/Writer, Lobbyist, Music Historian/Theorist, Composer/Arranger, Copyist/Score Preparer, Music/Arts Management, Music/Instrument Retail, Song Writer, Recording Engineer, Conductor, Private Music Instructor, and Music Librarian. (Rev'd 1/26)

Career Pathway: PHOTOGRAPHY
Career Cluster: ARTS & COMMUNICATION

To complete the **Photography Career Pathway**, students must complete all required courses within Section 1 and complete a minimum of 1.5 credits within Section 2. **(3 credits)**

To complete this **Advanced Pathway**, students must complete the required courses within Section 1 and complete a minimum of 2.5 credits within Section 2. **(4 credits)**

Section 1 – Required Courses	Credits Earned at KHS	College Credits Earned
Digital Photography 1	.5	
Digital Photography 2	.5	
Digital Photography 3	.5	
PGR 1.8 – Job Shadow in Photography	PGR	
Section 2 – Additional Courses	Credits Earned at KHS	College Credits Earned
Digital Imaging	.5	
Film Production	.5	
Graphic Design 1	.5	
Graphic Design 2	.5	
Art Exploration	.5	
Introduction to Video Technology	.5	
Business Communication	.5	3 (ECSU)
Business Management	.5	3 (CT STATE QV)
Entrepreneurship	.5	
Marketing	1	
Journalism	1	
Yearbook	1	
AP Art	1	

Instructor: Danica Temple

This Career Pathway could lead to one of the following careers: Action Photographer, Advertising Professional, Aerial Photographer, Animal Photographer, Archival/Historian/Museum Documentation, Automotive Photographer, Newborn/Infant/Child Photographer, Catalog Photographer, Cruise Ship Photographer, Amusement Park, Environmental Photographer, Food/Cuisine Photography, Greeting Cards, Interior Design/Set Photography, Magazines, Portrait Photography, Travel Photography and Real Estate Photography.
 (Rev'd 1/26)



Career Pathways

Accounting
Business Management
Hospitality
Marketing
Personal Finance

Career Pathway: ACCOUNTING
Career Cluster: BUSINESS & FINANCE

To complete the **Accounting Career Pathway**, students must complete the required courses within Section 1 and earn a minimum of 1.5 credits within Section 2. **(4 credits)**

To complete this **Advanced Pathway**, students must complete the required courses within Sections 1 and 2, and earn a minimum of 2 credits in Section 3. **(6 credits)**

Section 1 – Required Courses	Credits Earned at KHS	College Credits Earned
Accounting 1	1	
Honors Accounting 2	1	3 (CT STATE QV)
Business Communication	.5	3 (ECSU)
PGR 1.8 – Job Shadow in Accounting	PGR	
Section 2 – Additional Courses	Credits Earned at KHS	College Credits Earned
Business Management	1	3 (CT STATE QV)
Forensics	1	
International Business	.5	
Sport Management	.5	
Economics	.5	
Business Law	.5	
Entrepreneurship	.5	
Section 3 – Advanced Courses	Credits Earned at KHS	College Credits Earned
Honors Accounting 3	1	
Honors/AP English 3 or 4	1	
Trigonometry or higher	1	
Honors Chemistry or Physics	1	

Instructor: Donna Guillot

This Career Pathway could lead to one of the following careers: Certified Public Accountant, Bookkeeper, Collections Executive, Investment Executive, Tax Preparer, Actuary, Budget Analysis, Controller, Merger/Acquisitions Manager, Billing Supervisor, Forensic Accountant, Financial Advisor, Auditor, Chief Financial Officer, Finance Director, Payroll Clerk, Accounts Receivable/Payable Clerk, and Loan Officer. (Rev'd 1/26)

Career Pathway: BUSINESS MANAGEMENT
Career Cluster: BUSINESS & FINANCE

To complete the **Business Management Career Pathway**, students must complete the required courses within Section 1 and earn a minimum of 2.5 credits within Section 2. **(4 credits)**

To complete this **Advanced Pathway**, students must complete the required courses within Sections 1 and 2, and earn a minimum of 2 credits in Section 3. **(6 credits)**

Section 1 – Required Courses	Credits Earned at KHS	College Credits Earned
Business Management	1	3 (CT STATE QV)
Business Communication	.5	3 (ECSU)
PGR 1.8 – Job Shadow in Business Management	PGR	
Section 2 – Additional Courses	Credits Earned at KHS	College Credits Earned
Marketing	1	
Accounting 1	1	
Introduction to Business	.5	
Hospitality	.5	
Sport Management	.5	
Economics	.5	
Business Law	.5	
Entrepreneurship	.5	
International Business	.5	
Construction Management	.5	
Section 3 – Advanced Courses	Credits Earned at KHS	College Credits Earned
Honors Accounting 2	1	
Honors/AP English 3 or 4	1	
Trigonometry or higher	1	
AP United States History	1	

Instructor: Donna Guillot

This Career Pathway could lead to one of the following careers: Operations Manager, Entrepreneur, Government Management, Management Analyst, Purchasing Manager, Administrative Service Manager, Development Manager, Facilities Manager, Hospital Management, Manufacturing Management, Public Relations Management, Meeting & Convention Planner, Chief Executive Officer, General Manager, Human Resources Manager, Hotel Management, and Sports & Entertainment. (Rev'd 1/25)

Career Pathway: HOSPITALITY
Career Cluster: BUSINESS & FINANCE

To complete the **Hospitality Career Pathway**, students must complete the required courses within Section 1 and earn a minimum of 2.5 credits within Section 2. **(4 credits)**

To complete this **Advanced Pathway**, students must complete the required courses within Sections 1 and 2, and earn a minimum of 2 credits in Section 3. **(6 credits)**

Section 1 – Required Courses	Credits Earned at KHS	College Credits Earned
Hospitality	.5	
Foods & Nutrition 1	.5	
Business Communication	.5	3 (ECSU)
PGR 1.8 – Job Shadow in Hospitality	PGR	
Section 2 – Additional Courses	Credits Earned at KHS	College Credits Earned
Business Management	1	3 (CT STATE QV)
Marketing	1	
World Language 2	1	
Sociology	.5	
Introduction to Business	.5	
Entrepreneurship	.5	
International Business	.5	
Business Law	.5	
Psychology	.5	
Section 3 – Advanced Courses	Credits Earned at KHS	College Credits Earned
World Language 3	1-1.5	
Honors Journalism 2	1	
Broadcast Journalism 2	1	
Foods & Nutrition 2	.5	
Trigonometry or higher	1	

Instructor: Samantha Lynch

This Career Pathway could lead to one of the following careers: Hotel Management, Restaurant Service, Event Planning, Caterer, Transportation Service, Wedding Consultant, Convention Center Management, and Travel Agent. (Rev'd 1/26)

Career Pathway: MARKETING
Career Cluster: BUSINESS & FINANCE

To complete the **Marketing Career Pathway**, students must complete the required courses within Section 1 and a minimum of 2 credits within Section 2. **(4 credits)**

To complete this **Advanced Pathway**, students must complete the required courses within Sections 1 and 2, and earn a minimum of 2 credits in Section 3. **(6 credits)**

Section 1 – Required Courses	Credits Earned at KHS	College Credits Earned
Marketing	1	
Entrepreneurship	.5	
Business Communication	.5	3 (ECSU)
PGR 1.8 – Job Shadow in Marketing	PGR	
Section 2 – Additional Courses	Credits Earned at KHS	College Credits Earned
Business Management	1	3 (CT STATE QV)
Yearbook	1	
Broadcast Journalism 1	.5	
Graphic Design 1	.5	
Graphic Design 2	.5	
Creative Writing	.5	
Sociology	.5	
Psychology	.5	
KHS Productions	.5	
Sport Management	.5	
Section 3 – Advanced Courses	Credits Earned at KHS	College Credits Earned
Broadcast Journalism 2	1	
Honors Journalism 2	1	
Honors/AP English 3 or 4	1	
Trigonometry or higher	1	

Instructor: Gena Torre

This Career Pathway could lead to one of the following careers: E-Commerce Manager, Entrepreneur, Customer Service Clerk, Event Manager, International Merchandising, Market Researcher, Market Manager, Media Coordinator, Merchandising, Project Manager, Public Relations Specialist, Public Relations Writer, Research & Development, Sales Engineer, Sales Representative, Store Manager, and Salesperson. (Rev'd 1/26)

Career Pathway: PERSONAL FINANCE
Career Cluster: BUSINESS & FINANCE

To complete the **Personal Finance Career Pathway**, students must complete the required courses within Section 1 and earn a minimum of 2.5 credits within Section 2. **(4 credits)**

To complete this **Advanced Pathway**, students must complete the required courses within Sections 1 and 2, and earn a minimum of 2 credits in Section 3. **(6 credits)**

Section 1 – Required Courses	Credits Earned at KHS	College Credits Earned
Personal Finance	.5	
Accounting 1	1	
PGR 1.8 – Job Shadow in Finance	PGR	
Section 2 – Additional Courses	Credits Earned at KHS	College Credits Earned
Business Management	1	3 (CT STATE QV)
Honors Accounting 2	1	3 (CT STATE QV)
First-Year Experience	.5	
Introduction to Business	.5	
Business Communication	.5	3 (ECSU)
Business Law	.5	
Entrepreneurship	.5	
Economics	.5	
Section 3 – Advanced Courses	Credits Earned at KHS	College Credits Earned
Honors Accounting 3	1	
Honors/AP English 3 or 4	1	
Trigonometry or higher	1	
Honors Chemistry or Physics	1	

Instructor: Audrey Jones & Samantha Lynch

This Career Pathway could lead to one of the following careers: Real Estate Broker, Bookkeeper, Collections Executive, Investment Executive, Tax Preparer, Actuary, Budget Analyst, Financial Analyst, Sales Agent, Securities/Commodities Agent, Auditor, Insurance Underwriter, Finance Director, and Loan Officer. (Rev'd 1/26)



CONSTRUCTION & INDUSTRIAL DESIGN CLUSTER



Career Pathways

Architecture
Construction Technology
Engineering & Industrial Design
Robotics

Career Pathway: ARCHITECTURE
Career Cluster: CONSTRUCTION & INDUSTRIAL DESIGN

To complete the **Architecture Career Pathway**, students must complete the required courses within Section 1 and earn a minimum of 2.5 credits within Section 2. **(4 credits)**

To complete this **Advanced Pathway**, students must complete the required courses within Sections 1 and 2, and earn a minimum of 2 credits in Section 3. **(6 credits)**

Section 1 – Required Courses	Credits Earned at KHS	College Credits Earned
Architectural Engineering 1	.5	
Architectural Engineering 2	.5	
Principles of Engineering	.5	
PGR 1.8 – Job Shadow in Architecture	PGR	
Section 2 – Additional Courses	Credits Earned at KHS	College Credits Earned
Drawing 1	.5	
Fundamentals of Construction Technology	.5	
Construction Applications	.5	
Advanced Technology - Construction	.5	
Mechanical Drafting	.5	
Graphic Design 1	.5	
Entrepreneurship	.5	
Business Communication	.5	3 (ECSU)
Marketing	1	
Business Management	1	3 (CT STATE QV)
Section 3 – Advanced Courses	Credits Earned at KHS	College Credits Earned
Accounting 1 or higher	1	
Trigonometry or higher	1	
Honors Chemistry or Physics	1	
AP Art	1	

Instructor: James Hutson

This Career Pathway could lead to one of the following careers: Architect, Framers/Builder, Kitchen & Bath Designer, Urban Planner, Estimator, Project Developer, Landscape Architect, Surveyor, Estate Manager, Production Designer – Theater, Town Planner, Construction Manager, and Historic Building Inspector/Preservationist. (Rev'd 1/26)

Career Pathway: CONSTRUCTION TECHNOLOGY
Career Cluster: CONSTRUCTION & INDUSTRIAL DESIGN

To complete the **Construction Technology Career Pathway**, students must complete the required courses within Section 1 and earn a minimum of 2.5 credits within Section 2. **(4 credits)**

To complete this **Advanced Pathway**, students must complete the required courses within Sections 1 and 2, and earn a minimum of 2 credits in Section 3. **(6 credits)**

Section 1 – Required Courses	Credits Earned at KHS	College Credits Earned
Fundamentals of Construction Technology	.5	
Construction Applications	.5	
Construction Management	.5	
PGR 1.8 – Job Shadow in Construction Technology	PGR	
Section 2 – Additional Courses	Credits Earned at KHS	College Credits Earned
Principles of Engineering	.5	
Mechanical Drafting	.5	
Advanced Construction Technology	.5	
Architectural Engineering 1	.5	
Architectural Engineering 2	.5	
Robotics 1	.5	
Business Law	.5	
Business Communication	.5	3 (ECSU)
Entrepreneurship	.5	
Marketing	1	
Section 3 – Advanced Courses	Credits Earned at KHS	College Credits Earned
Accounting 1 or higher	1	
Trigonometry or higher	1	
Honors Chemistry or Physics	1	
AP Art	1	

Instructor: James Hutson

This Career Pathway could lead to one of the following careers: Architect, Framer/Builder, Contractor, Civil Engineer, Structural Engineer, Masonry/Concrete Trades, Plumber, Land Developer, Surveyor, Interior Design, Estimator, Heavy Equipment Operator, Building Inspector, Construction Site Manager/ Foreman, Kitchen & Bath Designer, HVAC Technician, Drywall/Sheetrock Installer, and Entrepreneur/ Small Business Owner. (Rev'd 1/26)

Career Pathway: ENGINEERING & INDUSTRIAL DESIGN
Career Cluster: CONSTRUCTION & INDUSTRIAL DESIGN

To complete the **Engineering & Industrial Design Career Pathway**, students must complete the required courses within Section 1 and earn a minimum of 2 credits within Section 2. **(4 credits)**

To complete this **Advanced Pathway**, students must complete the required courses within Sections 1 and 2, and earn a minimum of 2 credits in Section 3. **(6 credits)**

Section 1 – Required Courses	Credits Earned at KHS	College Credits Earned
Principles of Engineering	.5	
Mechanical Drafting	.5	
Mechanical Engineering	.5	
Advanced Engineering Design and Development	.5	
PGR 1.8 – Job Shadow in Engineering and Industrial Design	PGR	
Section 2 – Additional Courses	Credits Earned at KHS	College Credits Earned
Architectural Engineering 1	.5	
Robotics 1	.5	
Robotics 2	.5	
Graphic Design 1	.5	
Business Communication	.5	3 (ECSU)
Entrepreneurship	.5	
Marketing	1	
Business Management	1	3 (CT STATE QV)
Section 3 – Advanced Courses	Credits Earned at KHS	College Credits Earned
Advanced Technology – Robotics (Honors)	1	
Trigonometry or higher	1	
Honors Chemistry or Physics	1	
AP Art	1	

Instructor: James Hutson

This Career Pathway could lead to one of the following careers: Civil Engineer, Construction Site Management, CAD Designer/Specialist, Mechanical Engineer, Architect, Machinist, Production Specialist, CNC Operator, Industrial Welder, Industrial Designer, Metal Fabricator, and Industrial Database Management. (Rev'd 1/26)

Career Pathway: ROBOTICS
Career Cluster: CONSTRUCTION & INDUSTRIAL DESIGN

To complete the **Robotics Pathway**, students must complete the required courses within Section 1 and earn a minimum of 2.5 credits within Section 2. **(4 credits)**

To complete this **Advanced Pathway**, students must complete the required courses within Sections 1 and 2, and earn a minimum of 2 credits in Section 3. **(6 credits)**

Section 1 – Required Courses	Credits Earned at KHS	College Credits Earned
Mechanical Engineering	.5	
Robotics 1	.5	
Robotics 2	.5	
PGR 1.8 – Job Shadow in Robotics	PGR	
Section 2 – Additional Courses	Credits Earned at KHS	College Credits Earned
Robotics 3	1	
Tech Leader	.5	
Mechanical Drafting	.5	
Principles and Engineering	.5	
Advanced Engineering Design and Development	.5	
Business Communication	.5	3 (ECSU)
Entrepreneurship	.5	
Marketing	1	
Graphic Design 1	.5	
Economics	.5	
Section 3 – Advanced Courses	Credits Earned at KHS	College Credits Earned
Advanced Technology - Robotics (Honors)	1	3 (CT STATE QV)
Trigonometry or higher	1	
Honors Chemistry or Physics	1	
AP Art	1	

Instructor: Dr. Robert Polselli

This Career Pathway could lead to one of the following careers: CAD Designer/Specialist, Mechanical/Electrical Engineer, Architect, Machinist, Production Specialist, Robotics, Automation Programmer, Logic Control Programmer, CNC Operator, Industrial Welder, Industrial Designer, Metal Fabricator, and Industrial Database Management. (Rev'd 1/26)

 EDUCATION CAREER CLUSTER 



Career Pathways

Early Childhood Education
Human Services
World Language

Career Pathway: EARLY CHILDHOOD EDUCATION
Cluster: EDUCATION & HUMAN DEVELOPMENT

To complete the **Early Childhood Education Pathway**, students must complete the required courses within Section 1 and earn a minimum of 2 credits within Section 2. **(4 credits)**

To complete this **Advanced Pathway**, students must complete the required courses within Sections 1 and 2, and earn a minimum of 2 credits in Section 3. **(6 credits)**

Section 1 – Required Courses	Credits Earned at KHS	College Credits Earned
Child Development 1	.5	
Child Development 2	.5	
Early Childhood Education	1	
PGR 1.8 – Job Shadow in E.C.E.	PGR	
Section 2 – Additional Courses	Credits Earned at KHS	College Credits Earned
Anatomy & Physiology	1	
World Language 2	1	
Symphonic Winds or Concert Choir	1	
Foods & Nutrition 1	.5	
Drawing 1 or Painting 1 or Craft Arts	.5	
Theatre Arts 1	.5	
Psychology	.5	
Sociology	.5	
Creative Writing	.5	
Beginner Guitar or Percussion	.5	
Section 3 – Advanced Courses	Credits Earned at KHS	College Credits Earned
World Language 3	1-1.5	
Honors/AP English 3 or 4	1	
AP Biology	1	
CNA	.5	

Instructor: Liisa Wagner

This Career Pathway could lead to one of the following careers: Day Care Provider, Pre-School/Kindergarten/Elementary School Teacher, Paraprofessional, Camp Counselor, Children’s Program Developer, Children’s Museum Director, Elementary Principal, Parent Educator, Head Start Director, Social Worker, Child Welfare, Adoption, Pediatric Nursing Assistant, Nurse, Labor & Delivery Nurse, NICU Nurse, Doula, Child & Family Advocate, Children’s Policy Developer, Lobbyist for Children’s Issues. (Rev’d

Career Pathway: HUMAN SERVICES
Career Cluster: EDUCATION & HUMAN DEVELOPMENT

To complete the **Human Services Career Pathway**, students must complete the required courses within Section 1 and earn a minimum of 2.5 credits within Section 2. **(4 credits)**

To complete this **Advanced Pathway**, students must complete the required courses within Sections 1 and 2, and earn a minimum of 2 credits in Section 3. **(6 credits)**

Section 1 – Required Courses	Credits Earned at KHS	College Credits Earned
Child Development 1	.5	
Child Development 2	.5	
Psychology	.5	
PGR 1.8 – Job Shadow in Social Work	PGR	
Section 2 – Additional Courses	Credits Earned at KHS	College Credits Earned
World Language 2	1	
Honors American Government	1	
Early Childhood Education	1	
Sociology	.5	
Contemporary Issues	.5	
Business Communication	.5	3 (ECSU)
Business Law	.5	
Economics	.5	
Section 3 – Advanced Courses	Credits Earned at KHS	College Credits Earned
World Language 3	1-1.5	
Honors/AP English 3 or 4	1	
Anatomy and Physiology	1	
AP United States History or African American & Latino Studies	1	

Instructor: Liisa Wagner

This Career Pathway could lead to one of the following careers: Behaviorist, Clinical Psychologist, Psychological Research, Marriage & Family Therapist, In-Home Therapist or Behaviorist, Special Educator, Nurse Physician’s Assistant, Nurse Practitioner, Counselor, Therapist, Guidance Counselor, Social Worker, (Hospital, Nursing Home, Oncology Practice, Hospice, Child Protection/Child Welfare Worker, Family Support), Case Manager. (Rev’d 1/25)

Career Pathway: WORLD LANGUAGE
Career Cluster: EDUCATION

To complete the **World Language Career Pathway**, students must complete the required courses within Section 1 and earn a minimum of 2 credits within Section 2.

To complete this **Advanced Pathway**, students must complete the required courses within Section 1 and earn a minimum of 3 credits within Section 2, including 1-1.5 from Advanced World Language.

Section 1 – Required Courses	Credits Earned at KHS	College Credits Earned
World Language 2	1	
World Language 3	1-1.5	Latin 3 – 3 (UCONN)
PGR 1.8 – Job Shadow in a Career Field Listed	PGR	
Section 2 – Additional Courses	Credits Earned at KHS	College Credits Earned
Foods & Nutrition 2	.5	
International Business	.5	
Psychology	.5	
Sociology	.5	
Business Communication	.5	3 (ECSU)
Contemporary Issues	.5	
Marketing	1	
World History	1	
Advanced World Language 4	1-1.5	Latin 4 – 3 (UCONN)

Instructor: Megan Kennedy

This Career Pathway could lead to one of the following careers: Transportation, Hospitality, Health Care, Engineering and Design, Sales and Marketing, Communication, Education, Human Services, and Government Legislation & Administration. (Rev'd 1/26)



Career Pathways

Criminal Justice
Global Studies
Legal Services

Career Pathway: CRIMINAL JUSTICE
Career Cluster: GOVERNMENT & PUBLIC ADMINISTRATION

To complete the **Criminal Justice Career Pathway**, students must complete the required courses within Section 1 and earn a minimum of 2 credits within Section 2. **(4 credits)**

To complete this **Advanced Pathway**, students must complete the required courses within Sections 1 and 2 and earn a minimum of 2 credits in Section 3. **(6 credits)**

Section 1 – Required Courses	Credits Earned at KHS	College Credits Earned
Business Law	.5	
Psychology	.5	
Forensics	1	
PGR 1.8 – Job Shadow in Criminal Justice	PGR	
Section 2 – Additional Courses	Credits Earned at KHS	College Credits Earned
Journalism 1	1	
Accounting 1	1	
Anatomy & Physiology	1	
Business Communication	.5	3 (ECSU)
Sociology	.5	
Economics	.5	
Contemporary Issues	.5	
Creative Writing	.5	
Section 3 – Advanced Courses	Credits Earned at KHS	College Credits Earned
Honors Accounting 2	1	3 (CT STATE QV)
Honors Journalism 2	1	
Honors Chemistry	1	
AP United States History	1	
AP Statistics	1	

Instructor: Audrey Jones

This Career Pathway could lead to one of the following careers: Lawyer, Private Investigator & Detective, Police Officer, Federal Marshal, Forensics Analyst, Paralegal, Probation Officer, Corrections Officer, Victim Advocate, Court Clerk, Conservation Officer, Border Patrol, K-9 Officer, CIA Officer, Correctional Counselor, Forensic Accountant, Forensic Nurse, Forensic Pathologist, Forensic Psychologist, Crime Scene Investigator, and Security Officer. (Rev'd 1/26)

Career Pathway: GLOBAL STUDIES
Career Cluster: GOVERNMENT & PUBLIC ADMINISTRATION

To complete the **Global Studies Career Pathway**, students must complete the required courses within Section 1 and earn a minimum of 2 credits within Section 2. **(4 credits)**

To complete this **Advanced Pathway**, students must complete the required courses within Sections 1 and 2, and earn a minimum of 2 credits in Section 3. **(6 credits)**

Section 1 – Required Courses	Credits Earned at KHS	College Credits Earned
International Business	.5	
Business Communication	.5	3 (ECSU)
World Language 2	1	
PGR 1.8 – Job Shadow in Global Studies	PGR	
Section 2 – Additional Courses	Credits Earned at KHS	College Credits Earned
Marketing	1	
Business Law	1	
Psychology	.5	
Sociology	.5	
Economics	.5	
Contemporary Issues	.5	
Foods & Nutrition 2	.5	
Section 3 – Advanced Courses	Credits Earned at KHS	College Credits Earned
Business Management	1	3 (CT STATE QV)
World Language 3	1-1.5	
Honors/AP English 3 or 4	1	
African American & Latino Studies	1	
AP Statistics	1	

Instructor: Audrey Jones

This Career Pathway could lead to one of the following careers: Air Passenger Company, International Consulting Firm, Non-Profit Organization, Tourism Hospitality, Stockbroker, Political Science, Government Agency, Law Firm, Shipping Company, Import/Export Agent, Economist, International Relations Officer, International Banking, Multinational Corporation, and Interpreter. (Rev'd 1/25)

Career Pathway: LEGAL SERVICES
Career Cluster: GOVERNMENT & PUBLIC ADMINISTRATION

To complete the **Legal Services Career Pathway**, students must complete the required courses within Section 1 and earn a minimum of 2.5 credits within Section 2. **(4 credits)**

To complete this **Advanced Pathway**, students must complete the required courses within Sections 1 and 2, and earn a minimum of 2 credits in Section 3. **(6 credits)**

Section 1 – Required Courses	Credits Earned at KHS	College Credits Earned
Business Law	.5	
Business Communication	.5	3 (ECSU)
Sociology	.5	
PGR 1.8 – Job Shadow in Legal Services	PGR	
Section 2 – Additional Courses	Credits Earned at KHS	College Credits Earned
Honors American Government	1	
Journalism 1	1	
Forensics	1	
Contemporary Issues	.5	
International Business	.5	
Psychology	.5	
Economics	.5	
Section 3 – Advanced Courses	Credits Earned at KHS	College Credits Earned
World Language 3	1-1.5	
Honors/AP English 3 or 4	1	
Honors Journalism 2	1	
AP United States History	1	
AP Statistics	1	

Instructor: Audrey Jones

This Career Pathway could lead to one of the following careers: Administrative Law, Policy Developer, Court Reporter, Investigator, Legal Assistant, Mediator/Arbitrator, Elected Official, Attorney, File/ Document Manager, Judge, Legal Secretary, Negotiator, Lobbyist, Case Management Specialist, Information Officer, Law Clerk, Magistrate, Paralegal, and Legal Advocate. (Rev'd 1/25)