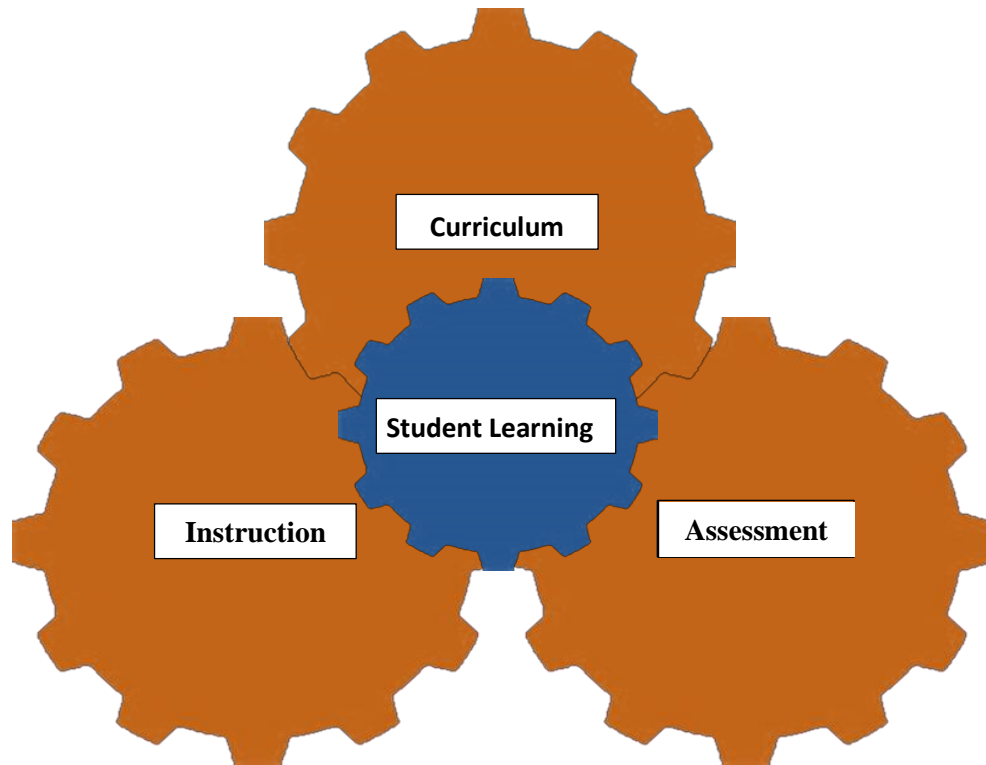


**Genoa-Kingston High School
Community Unit School District #424**



**2022-2023
Curriculum Guide**

**Version 1
02.15.22**

****PLEASE NOTE: Changes to the course book may occur based on legislation from the Illinois State Board of Education. An updated version of the course book will be posted when changes occur. Please be sure to refer to the most recent version.***

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Genoa-Kingston High School

980 Park Avenue

Genoa, Illinois 60135-1423

www.gkschools.org

2022-2023 School Profile

Genoa-Kingston High School (GKHS) is a comprehensive high school serving students grades 9-12 from the communities of Genoa and Kingston, Illinois. GKHS is located in the northern section of DeKalb County. GKHS operates on an 8-block schedule; over the course of two days, students take eight academic courses. Class periods are approximately 80 minutes in length, and each day includes one 30-minute academic enhancement period.

Grade Weighting:

Grades in all classes taken through GKHS are used to calculate GPA. Transfer grades that are deemed acceptable from other certified high schools are included in determining class rank. Classes are averaged, and GPA is determined according to the following evaluations.

<u>Grade</u>	<u>Percentage</u>	<u>Weighted Points</u>	<u>Standard Points</u>
A+	99-100	5	4
A	92-98	5	4
A-	90-91	5	4
B+	88-89	4	3
B	82-87	4	3
B-	80-81	4	3
C+	78-79	3	2
C	72-77	3	2
C-	70-71	3	2
D+	68-69	2	1
D	62-67	2	1
D-	60-61	2	1
F	59 and under	0	0

Grading Scale: 4.0

Genoa-Kingston High School does NOT rank.

Weighted grades are included in determining GPA, honor roll, high honor roll, National Honor Society, etc.

Class of 2023 (as of 1/19/22)

Total students: 155

Honor Roll:

High Honor Roll:

Honor Roll:

GPA:

3.800-4.000+

3.000-3.799

and no C's, D's, F's or more than two B's

and no D's, F's or more than two C's

Weighted Courses:

The following courses are considered to be of unusual difficulty and that are college preparatory are assigned weighted grades.

English 100 Honors

English 200 Honors

AP English Language and Composition

AP English Literature and Composition

Honors Chemistry

AP Biology

AP Environmental Science

Physics

Algebra 2 (*PRIOR to 2019-20 school year only*)
Trig/Pre-Calculus
Calculus

AP United States History
Spanish 350
Spanish 450
All dual credit including Kish @ GK, EMSA, KEC CTE and
Horticulture 103
AP Human Geography

Graduation Requirements

The Board of Education has specified certain requirements that must be met in order to graduate from Genoa-Kingston High School. These requirements must be successfully completed before a diploma is awarded.

All students must earn **25 credits AND an additional 3½ Physical Education (PE) credits unless exempted.**

Required Courses

English	4 credits
Mathematics (1 year of Algebra & 1 year of Geometry)	3 credits
Science	3 credits
Social Studies	2 credits including:
World Cultures	½ credit
American Government/Civics	½ credit
American History	1 credit
Health	½ credit
Digital Literacy	½ credit
Consumer Economics	½ credit
Physical Education	3½ credits
Electives	1 credit (1 year)
-Art	
-Music	
-Foreign Language	
-Vocational Education (Agriculture & Horticulture, Business & Technology, Family & Consumer Sciences, Industrial Design, Career Technical Education (KEC CTE))	
→ Students must complete ONE YEAR within one of the elective areas listed above	

Additional Graduation Requirements

FAFSA	Seniors must file (effective 2020-2021 school year)	Community Service Hours	25 hours (required for class of 2023 and beyond)
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Kishwaukee Education Consortium and Co-Op/On-the-Job Training

GKHS takes part in opportunities offered by Kishwaukee Education Consortium (KEC). Students are able to enroll in career technical education (CTE) courses with students from surrounding school districts. Students earn 0.5 credits each semester for Aviation, 1.5 credits each semester for Cosmetology, and 1 credit each semester for all other KEC CTE courses.

Students of Junior and Senior status are eligible to enroll in Co-Op/On-The-Job. These students earn 0.5 credits each semester through classroom work as well as 1 full credit each semester for on the job training.

College/University Admissions Requirements

Recommended minimum requirements for most public state universities and private colleges

English	4 years
Mathematics	3 years (4 strongly suggested)
Science (laboratory sciences)	3 years (4 strongly suggested)
Social Studies	3 years
Fine Arts (foreign language, music, or art)	2 years (2 years of foreign language suggested)*

*Some colleges do not require foreign language for admittance, but will require you to take foreign language to graduate.

Each college/university is different. Always consult with the school!

Early Graduation

Although it is believed that students will receive the greatest benefit from attending high school for 4 years, there are circumstances in which early graduation may be the best plan for the student.

Graduating a semester early may be granted by administration if the criteria discussed here has been met. Only for a very special circumstance will graduating a full year early be considered.

Students may be approved to graduate early if they meet all of the following criteria:

1. Students must have an approved reason for wanting to graduate early:
 - To permit students to begin advanced formal education.
 - To permit students to enter into apprenticeships, on-the-job training programs, and training programs in the armed services of the United States.
 - To permit students to aid themselves or their family, during true personal or financial needs. This would include financing an education if, and only if, true financial need exists.
2. Students need to have all graduation requirements completed prior to the date of early graduation. *This could include taking a dual credit English class or the Kish @ GK program in order to have the 4 required English credits, taking Consumer Economics during the Fall semester, taking summer school for having failed required courses, and so forth. **Taking Apex to complete graduation requirements for early graduation is NOT an option.***
3. Students must meet with their school counselor to complete the Early Graduation application. The application must be signed by both the student and parent/guardian before it is submitted to the counselor.

Early graduation applications are due no later than May 1 of the students' junior year.

Completed early graduation applications will be reviewed by administration. If approved for early graduation, students will be notified by their school counselor within 2 weeks of submission.

Student Services Contact Information

Please contact your assigned counselor if you have questions or want to schedule an appointment.

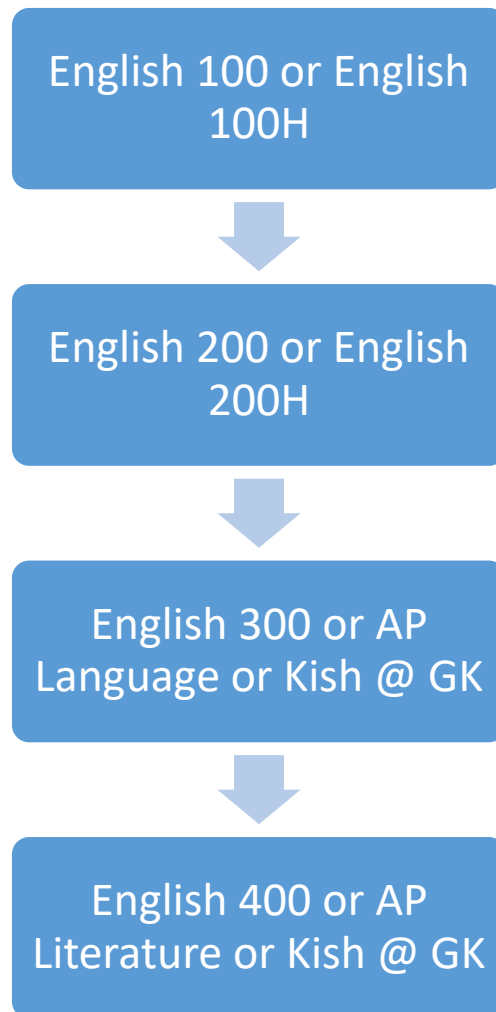
Phone: 815-784-5111

Fax: 815-784-7038

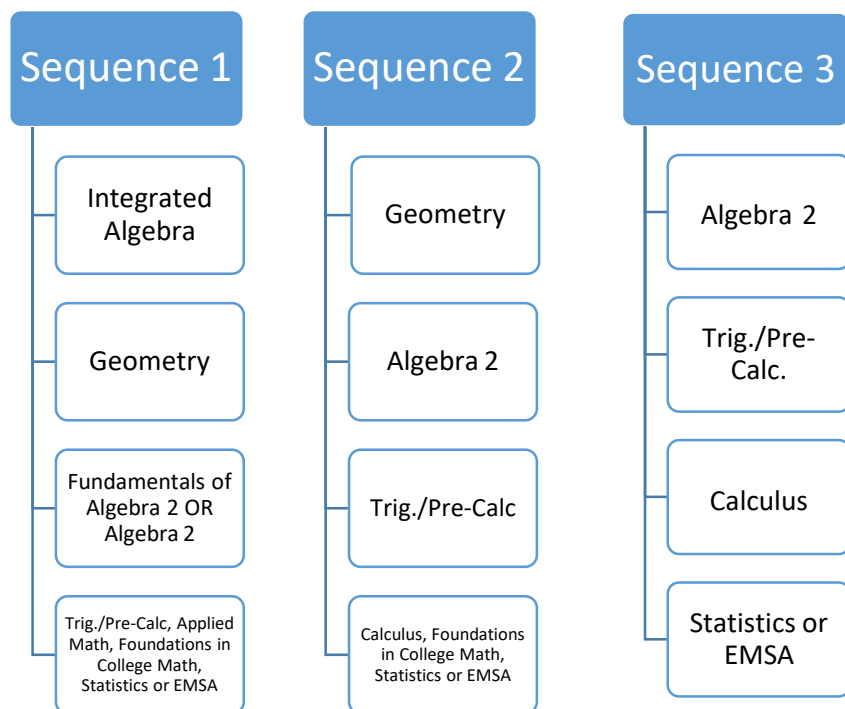
Name	Title	Phone Extension	Email
Maria Miranda	Guidance & Athletic Director Secretary	1717	MMiranda@gkschools.org
Christy Wiedmaier	Counselor – Last Names: A-L	1724	Cwiedmaier@gkschools.org
Carly George	Counselor – Last Names: M-Z	1718	Cgeorge@gkschools.org
Shannon Mansfield	Social Worker	1721	SMansfie@gkschools.org

Please check your class specific Google Classroom as well as the Counseling website and Twitter for updates and events: **gkcounseling.weebly.com**, **@GKCounseling**

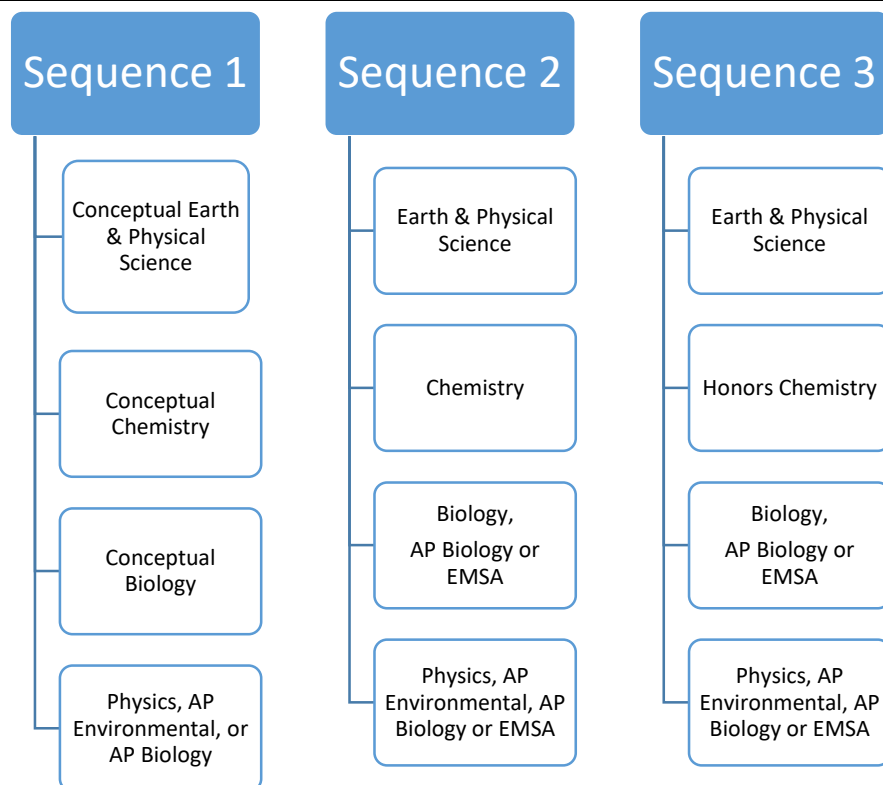
Course Sequence - ENGLISH



Course Sequence – MATHEMATICS



Course Sequence – SCIENCE



Policies Regarding Courses and Placement

Course Offerings in Curriculum Guide:

Please be advised that some course offerings, although listed in this curriculum guide, may NOT be offered each year. Consult with your counselor during registration to inquire as to whether or not courses you are interested in will be offered in the upcoming school year.

Placement in Freshmen courses:

Except as indicated elsewhere in this guide, as a general rule, initial placement in freshmen courses will be based on a combination of student performance in 8th grade classes, academic tests, state testing, and teacher recommendation as articulated between the high school and the middle school.

Freshmen will have a mostly pre-determined schedule within the **freshmen pathway**:

- 1 credit of English
- 1 credit of Math
- 1 credit of Science
- 1 semester of World Cultures and 1 semester of Health
- 1 credit of PE
- 1 semester of Digital Literacy and 1 semester of Driver's Ed (if eligible for Driver's Ed)
 - **OR** 1 semester of a Social Studies elective and 1 semester of Digital Literacy
- 2 credits of Electives

Placement for Core Academic Courses (English, Math, and Science):

Course placements for core academic areas (English, Math, and Science), with the exception of upper level and Advanced Placement Courses as well as elective courses, will be based on teacher recommendation. If students believe they need to be in a different level within a subject area, they need to consult their teacher, who will provide a recommendation to their counselor for placement.

Course load:

All freshmen, sophomores, and juniors must register for 8 credits each year (4 per semester).

Students taking Advanced Placement, KEC, Kishwaukee College Engineering Math and Science Academy (EMSA), or Co-Op/On the Job courses may earn less than 8 or more than 8 credits per year depending on the program.

Seniors who are tracking below minimum graduation requirements will be required to take 8 credits their senior year (or more depending on their credit deficiency). Seniors tracking to have well-above the minimum graduation requirements may be offered an early release or late arrival in their senior year schedule, making it possible to have less than 8 credits in their schedule.

Prerequisites:

A prerequisite may be a course, a grade in a course, or a year in school. If a course has a prerequisite, it will be listed just below the course name in this guide. Students must meet the prerequisites required for a course before they are allowed to enroll in it.

Consumer Economics Education Requirement:

The State of Illinois requires that all high school graduates possess minimum competencies in the area of Consumer Economics at Genoa-Kingston High School. This competency can be shown in one of two ways:

- 1.) Successfully completing the semester course of Consumer Economics.
- 2.) Successfully completing the full year course of Agricultural Business.

College Courses, Dual Credit, and Dual Enrollment:

Dual Credit: College courses taken while still attending high school in which a student earns both high school AND college credit. Students will work with the Student Services Office in enrolling for these courses. This includes KEC courses and college classes offered at GKHS.

Dual Enrollment: College courses taken while still attending high school in which a student earns ONLY college credit. Students are responsible for their own enrollment and ensuring that their desired college classes do not interfere with their regular high school course schedule. Additionally, there are some Kishwaukee College classes that have been approved as qualifying for dual credit (see below).

The following college courses can be taken for high school AND college credit:

- English Composition I
- English Composition II
- Speech
- Calculus II
- Calculus III
- Physics II
- Psychology
- Engineering-Statics

In order to enroll in college courses for dual credit OR dual enrollment, students must meet college enrollment criteria. Specifically, students cannot have received any Fs in the previous semester and must have a cumulative GPA of 2.0 or higher unless special permission is obtained. Additionally, college courses must be approved using a G-K College Course Enrollment Permission Form from the Guidance Office. See your counselor if you are interested in taking college courses.

College courses will not be weighted unless the course is weighted at Genoa-Kingston High School and it's equivalent has/will not be taken at the high school (for example, if a college course will be their senior year math course). Any students enrolled in EMSA through Kishwaukee College will have each of those courses weighted if they choose to enter them onto their high school transcript.

Please be advised that not all colleges/universities accept dual credit courses for college credit. It is advised that if students do not need the high school credits, they should leave them off their high school transcript. When applying to colleges, students will be sending an official high school and college transcript as part of the application process.

If a student takes part in any of our programs that include college courses, there could be additional costs including but not limited to book fees.

In order for students to have dual credit classes listed on their high school transcript, official transcripts from the college need to be submitted to Mrs. Miranda (Student Services Secretary).

Kishwaukee College Dual Credit Procedure

Last updated 10/04/2021

If you have signed up for Kish @ GK for the fall and/or spring semesters, these are the steps you must complete to confirm your enrollment. Please see your counselor if you have any questions regarding this process.

1. **Fill out the Student Information Form** as soon as possible at <https://kish.edu/student-information-form#step-1>

- a. This must be completed before you can take the Accuplacer placement test.

2. **Determine your placement:**

- a. Placement may be determined by ACT or SAT scores, cumulative high school G.P.A., and/or taking the ACCUPLACER placement test. Ultimately, Kish College will determine if a placement test is needed or not based on your transcript.

Course Number	Course Name	ACT minimum score	SAT minimum score	Cumulative High School G.P.A (after 5 semesters)
ENG 103	Composition I	ACT English Score- 19 OR ACT Composite Score- 19	SAT Reading & Writing Score- 480	3.5+ (on a 4.0 scale)
PSY 102	Introductory Psychology	No specific placement/testing needed.		
COM 100	Speech	ACT English Score- 19, OR ACT Composite Score- 19	SAT Reading & Writing Score- 480	3.5+ (on a 4.0 scale)
ECO 260	Principles of Economics	No specific placement/testing needed.		

3. **Take the placement test** (if needed), before the start of the class

- a. Schedule the Accuplacer on your own by contacting the Kishwaukee College Enrollment Services at (815) 825-9841 to schedule a placement test appointment on Kish's campus. In some cases, testing may be available through GKHS.
- b. A photo ID is required for testing
- c. Here is a link to tips for preparing for the Accuplacer test and other testing information:
<https://kish.edu/services-testing-services/placement>

4. **Complete the registration form** and return to the Guidance Office before the start of the classes.

5. **Pay for your courses**

- a. This can be done with Ms. Jensen in the Front Office. Cash or checks made at to GKHS will be accepted. The price is \$275 per semester.
- b. There is a chance for additional cost (i.e. textbook fees).

Registration/Schedule Creation and Schedule Change Process

Once registration forms are submitted, counselors review the students' schedule requests and put together schedules based on students' course requests and teacher recommendations for placement.

- Although course requests are taken into consideration during the scheduling process, student schedules are determined by the counselors. In this way, students will not always have classes they want or choose for themselves. Students are sometimes placed in courses that best fit their schedules.
- After registration forms are submitted, students can not make changes. Their schedules, once created by their counselor, will be final. (*There are a few exceptions to this rule. See below for specific criteria for schedules change requests.*)
 - Schedule change requests can be considered for the following reasons:
 - Teacher recommendation
 - Incorrect placement (e.g., levels, repeat courses)
 - For some elective course changes (if the desired elective is offered the same period and if class size allows for it).
 - Counselors can not change student schedules to fit an elective if it requires moving other academic courses.
 - Full year courses can not be dropped at semester. If students register for a full year course, they must be enrolled in that course for the full academic year.
 - Switching PEs is not permitted (exceptions are sometimes made for extenuating circumstances).
 - Switching subject area teachers is not permitted. This includes PE and core subject areas (English, math, science, etc.).

Predetermined Schedule Change Periods

There will be a predetermined schedule change period before the start of the school year; a spring semester schedule change period may also be offered. Any schedule change requests must be made during this designated time, *following the procedures set forth by the principal and Student Services team*. Only requests made that meet specific scheduling criteria (as discussed in the above bullet points) will be considered.

→ Please note, these schedule change periods are only times schedule change requests will be considered. NO CHANGES WILL BE MADE TO SCHEDULES AFTER THE DESIGNATED TIME FRAMES SET.

**** Student Services staff reserve the right to change student schedules at any time without student and parent/guardian consent. Reasons why this may occur include balancing class sizes, teacher placement, and so forth.**

NCAA Freshmen Eligibility Standards

National Collegiate Athletic Association (NCAA) publishes and enforces specific guidelines governing eligibility for athletic scholarships at colleges and universities. The NCAA judges coursework of high school students and determines whether it meets the requirements for a scholarship. Some general information is included below, however please visit <http://www.ncaa.org/student-athletes/future/academic-standards-initial-eligibility> for complete info on eligibility for Division 1 and Division II. Division III institutions have their own standards for admission; please refer to the individual college or university for this information.

General Division 1 and II info:

NCAA Core Courses

16 core courses are required for NCAA Division I and NCAA Division II.

Test Scores

- Both SAT and ACT test scores are accepted for NCAA purposes
- Division I and Division II have sliding scales for test scores eligibility that factor in grade point average.
- All SAT and ACT scores must be reported directly to the NCAA Eligibility Center by the testing agency. Test scores that appear on transcripts are NOT accepted. When registering for the SAT or ACT, use the Eligibility Center code of 9999 to make sure the score is reported to the eligibility center.
 - More information regarding the impact of Covid-19 and test scores can be found at http://on.ncaa.com/COVID19_Fall2022.

NCAA Grade point average

- Only core courses are used in the calculation of the grade-point average.
- Be sure to look at Genoa-Kingston High School's list of NCAA-approved core courses on the Eligibility Center Web site to make certain that the courses being taken have been approved as core courses. The web site is www.ncaa.org.
- The list of approved courses is also available in the Guidance Office as well as through this Coursebook.

NCAA Other Important Information

***Amateurism:** To be a Division I or II athlete, you must receive an amateurism certification determining that you are of amateur status. Students registering with the NCAA Eligibility Center will complete the amateurism questionnaire through the eligibility center web site. Students need to request final amateurism certification prior to enrollment at their college or university where they intend to play Division I or II sports.

For more information regarding the rules, please go to www.ncaa.org or call the NCAA Eligibility Center if you have questions: toll-free number: (877) 262-1492

Career Pathway Opportunities

*Please note: the sequences of courses presented are *suggestions* (some courses can be taken in a different order.) The course suggestions are high school coursework only. Many of these career pathways require post-secondary education levels ranging from an Associate's Degree to Master's Degree.

Finance and Business Services

Example careers: Accountant, Bookkeeper, Business Innovation, Business Analytics, Business Administration, Finance/Budget Analyst, Entrepreneur, Marketing, Brand Manager/Social Media Campaigns/Campaign Development, Promotional Marketing and Operations, Information Management, Sales Leader, Social Entrepreneurship, and Training Manager

Sequence of elective courses within the Pathway

- Grade 9: Sem 1 Digital Literacy
Sem 2 Business Essentials
- Grade 10: Sem 1: Personal Finance
Sem 2: Marketing
- Grade 11: Sem 1: Accounting 1
Sem 2: Accounting 2
- Grade 12: Sem 1 and 2: Entrepreneurship AND/OR KEC Business Leadership

Other add ons to this pathway:

Dual credit: Macroeconomics (one semester only) (must do Kish @ GK Sem 2)

Manufacturing, Engineering Technology, and Trades

Example careers: Engineering Technology General, Computer Installation and Repair Technology/Technician, Industrial Electronics/Technology Technician, Industrial Mechanics and Maintenance Technology, Parts and Warehousing Operations and Maintenance Technology/Technician, Machine Tool Technology Machinist, Sheet Metal Technology/Sheetworking, Welding Technology/Welder, Metal Fabricator, Cabinetmaking and Millwork, Computer Integrated Manufacturing, and Emerging Technologies

Sequence of elective courses within the Pathway

- Grade 9: Sem 1 and Sem 2: Introduction to Technology
- Grade 10: Sem 1 and Sem 2: Technology Drafting
- Grade 11: Sem 1 and Sem 2: Production Technology
- Grade 12: Sem 1 and Sem 2: Independent CAD or Custom Aluminum Internship

OR

KEC CTE (Grade 11 and/or 12)

Automated Engineering and Technology Academy (2 years)
Construction Trades 1 and 2 (2 years)
Automotive Technology 1 and 2 (2 years)
Diesel Technology
Heavy Equipment
Welding technology
COOP/On the job training in related field

OR

Kishwaukee College Engineering Math and Science Academy- Grade 12
(Engineering track)

Information Technology

Example careers: Web Developer, IT Technician. Computer Programmer, Systems Analyst, Network Engineer, Database Administrator, Support Specialist, Software Engineer

Sequence of elective courses within the Pathway

Grade 9: Sem 1 or Sem 2: Digital Literacy (required)

Grade 10: Sem 1 Multimedia 1 Sem 2: Multimedia 2

Grade 11: Sem 1: Web Page Design 1 (if offered), Sem 2: Web Page Design 2 (If offered)

Grade 12: KEC Computer Programming (can do this program during Grade 11 if desired)

Health Sciences and Technology

Example careers: Pharmacy Technician, Physician's Assistant, Phlebotomist, Dental Assistant

Sequence of elective courses within the Pathway

Grade 9: Sem 1 and Sem 2: Earth & Physical Science

Grade 10: Sem 1 and Sem 2: Chemistry or Honors Chemistry

Grade 11: Sem 1 and Sem 2: Biology or AP Biology, Physics

Grade 12: KEC Certified Nurse Assistant or KEC Emergency Medical Technician - Basic or KEC Medical Terminology/Healthcare Careers

OR

Grade 9: Sem 1 and Sem 2: Earth & Physical Science

Grade 10: Sem 1 and Sem 2: Chemistry or Honors Chemistry

Grade 11: Sem 1 and Sem 2: Biology or AP Biology

Grade 12: EMSA

OR

Grade 9: Sem 1 and Sem 2: Earth & Physical Science

Grade 10: Illinois Math & Science Academy

Arts and Communication

Visual Art:

Example careers: Professional Artist, Illustrator, Photographer, Animator, Printmaker, Graphic Designer, Art Administrator/Gallery Manager

Sequence of elective courses within the Pathway

Grade 9: Sem 1 and Sem 2: Art 150

Grade 10: Sem 1: Art 200 Drawing, Sem 2: Art 220 Painting

Grade 11: Sem 1: Art 240 Digital Photography, Sem 2: Art 230 3D Studio

Grade 12: Sem 1 and Sem 2: Art 300 Independent Art

OR

9th: Art 150 Sem 1 and 2 (Full year class)

10th: Art 150 Full year, OR If completed:
Art 200 Sem 1 or 2, Painting 220 Sem 1 or 2.

11th: Art 150 Full year, OR if completed:
Art 200 Sem 1 or 2, Painting 220 Sem 1 or 2, Art 230 Sem. 2.

12th: Art 150 Full year, OR If completed:
Art 200 Sem 1 or 2, Painting 220 Sem 1 or 2, Photo 240 Sem 1, Art 230 Sem. 2.
*Art 250 Independent art when all Art 150, 200, 220, 230 completed with teacher signature
(Full year) (may be taken in conjunction with art 240 photo.)

Communication:

Example careers: Computer User Support Specialist, Computer Network Support Specialist, Network and Computer Systems Administrator, Database Administrator, Computer Network Architect

Sequence of elective courses within the Pathway

Grade 9: Sem 1 or Sem 2: Digital Literacy
Grade 10: Sem 1: Multimedia 1, Sem 2: Multimedia 2
Grade 11: Sem 1: Web design 1, Sem 2: Web design 2
Grade 12: Sem 1 and Sem 2: Entrepreneurship

OR

Grade 9: Sem 1 or Sem 2: Digital Literacy
Grade 10: Sem 1: Multimedia 1 or Web design 1, Sem 2: Multimedia 2 or Web Design 2
Grade 11: KEC Mass Communications 1
Grade 12: KEC Mass Communications 2

Other add ons to this pathway:

Dual credit: Communications (one semester only) (must do Kish @ GK Sem 2)
Workplace Experience opportunities (explore with counselor)

Performing Arts:

Example careers: Actor, Dancer, Music Therapist, Community Arts Worker, or Drama Therapist Theatre- Theatre Director, Singer, Choir Director, Music Teacher, Stage Manager, Lighting Designer, Costume Designer, Carpenter, Museum Designer, Prop Handler, Sound Board Operator

Sequence of elective courses within the Pathway

Instrumental

Grade 9: Sem 1 Concert Band, Sem 2: Symphonic Band
Grades 10-12: Sem 1: Concert Band, Sem 2: Symphonic Band (add on Jazz or Percussion Ensemble and any other music electives from coursebook)

Vocal:

Grade 9: Sem 1 and Sem 2: Chorus

Grades 10-12: Sem 1 and Sem 2: Chorus (add on Chamber chorus and any other music electives from coursebook)

Theatre

Grade 9: Sem 1: Intro to Theatre Arts 1, Sem 2: Intro to Theatre Arts 2

Grade 10: Sem 1: American Musical Theatre, Sem 2: Music Theory

Grade 11: Sem 1: Intro to Musical Concepts 1, Sem 2: Intro to Musical Concepts 2

Grade 12: Sem 1: American Popular Music, Sem 2: Intro to Stage Tech

Human and Public Services (Education Pathway)

Education:

Example careers: Elementary teacher, High School Teacher, Daycare Provider

Sequence of elective courses within the Pathway

Grade 10: Sem 1: Child Development & Parenting and Multimedia I, Sem 2: Child Development & Parenting and Multimedia II

Grade 11: Sem 1 and Sem 2: KEC Early Childhood Education 1

Grade 12: Sem 1 and Sem 2: KEC Early Childhood Education 2, consider Workplace Experience at a KES or GES

Students interested in teaching high school are encouraged to take as many electives in their proposed subject area as possible along with investing in community service hours as a peer tutor. Multimedia I and II are still highly recommended during Grade 10.

Agriculture, Food, and Natural Resources

Agriculture

Example careers: Agricultural Food Scientist, Agricultural Manager, Agricultural Specialist, Agricultural Engineer, Agricultural Teacher

Grade 9: Sem 1 and 2: Introduction to Agriculture, Food, and Natural Resources (AFNR)

Grade 10: Sem 1 and 2: Agricultural Science

Grade 11: Sem 1 and 2: Horticulture Science

Grade 12: Sem 1 and 2: Ag Mechanics OR Ag Business (rotating years)

Agricultural Science

Example careers: Agricultural/Bioresource Engineer, Agronomist, Agricultural Resource Technician, Animal Scientist, Food Scientist, Agricultural Teacher

Grade 9: Sem 1 and 2: Introduction to Agriculture, Food, and Natural Resources (AFNR)

Grade 10: Sem 1 and 2: Agricultural Science

Grade 11: Sem 1 and 2: Ag Mechanics OR Ag Business (rotating years)

Grade 12: Sem 1 and 2: Ag Mechanics OR Ag Business (rotating years)

Agricultural Mechanics

Example careers: Agriculture Equipment Dealer, Field or On-Site Welder, Agricultural Manufacturing Welders, Agricultural Steel Building Erectors, Agricultural Teacher

Grade 9: Sem 1 and 2: Introduction to Agriculture, Food, and Natural Resources (AFNR)

Grade 10: Sem 1 and 2: Agricultural Science AND Ag Mechanics (rotating years)

Grade 11: Sem 1 and 2: Ag Mechanics OR Ag Business (rotating years)

Grade 12: Sem 1 and 2: Ag Mechanics OR Ag Business (rotating years)

Veterinary Science

Example careers: Large Animal Veterinarian, Small Animal Veterinarian, Veterinary Technician, Veterinary Assistant, Agricultural Teacher

Grade 9: Sem 1 and 2: Introduction to Agriculture, Food, and Natural Resources (AFNR)

Grade 10: Sem 1 and 2: Agricultural Science

Grade 11 or 12: Sem 1: Small Animal Vet Science, Sem 2: Large Animal Vet Science
(these courses are only offered every other year)

AND Ag Mechanics OR Ag Business (rotating years)

Horticulture/Landscaping/Turf Management/Floral Design

Example careers: Botanist, Floral Designers, Florist, Landscape Contractor, Nurseryman, Groundskeeper, Turf Specialist, Agricultural Teacher

Grade 9: Sem 1 and 2: Introduction to Agriculture, Food, and Natural Resources (AFNR)

Grade 10: Sem 1 and 2: Horticulture Science

Grade 11 or 12: Sem 1: Landscaping/Turf, Sem 2: Greenhouse

AND Ag Mechanics OR Ag Business (rotating years)

ENGLISH

(4 credits REQUIRED)

All English courses will be reading and writing intensive. Therefore, students will be expected to read and/or write for *the majority of class time*. All students should expect an emphasis on increased volume and stamina of reading and writing. It is expected that students read *at least* 6 full-length works throughout the course of the year. These include whole-class texts, independent reading selections, and book club selections.

Select English courses may be co-taught. While these courses will have the benefit of a co-teacher, all courses will emphasize differentiated learning that meets students at their current strengths and needs and adapt the task appropriately. This may include, but not be limited to, leveled readings, modified assessments, increased student choice, and emerging bilingual supports.

Functional English 9, 10, 11, 12

Counselor Placement

1 year - 1 credit

This sequence of courses is designed to develop basic reading and writing skills and their applications to real life situations. Students will work on written expression and reading comprehension for a variety of purposes with a focus on preparing for independent living. Each course continues the instruction at the student's level from the previous course.

Integrated Reading 9, 10, 11, 12/ Reading A, B, C, D

Counselor Placement

1 year - 1 credit

Scientifically researched-based comprehensive reading curriculum will be used to assist struggling readers in moving toward grade level in reading skills. The course activities focus on expanding vocabulary skills, improving comprehension skills, and strengthening listening, reading, speaking, and writing skills. Students will learn reading strategies to use with a broad range of fiction and nonfiction texts and respond orally and in written form. They will further develop academic writing skills by improving language mechanics and grammar usage.

ENGLISH 100

NCAA Approved

1 year - 1 credit

English 100 asks students to practice and develop core English skills: reading fiction and non-fiction, writing in a variety of modes and purposes, and speaking and listening. Most units are structured as an inquiry model that centers on exploration of an essential question. Within the exploration, students apply said skills. Units repeat a similar structure—whole class learning centered on analyzing a grade level, complex text; small group learning focused on reading and writing groups collaborating; and independent learning in which students apply developed concepts to choice texts

ENGLISH 100 HONORS

NCAA Approved

1 year - 1 credit

Test scores and teacher recommendation are used to determine eligibility

This class will study the topics outlined in English 100 in greater detail and with greater difficulty. The course work will require students to think critically and analyze the material presented. In addition, the honors class will introduce students to higher reading volumes and writing formatting expectations that reinforce effective habits of strong readers and writers.

ENGLISH 200

NCAA Approved

1 year - 1 credit

English 200 asks students to build on core English skills that were introduced in English 100: reading fiction and non-fiction, writing in a variety of modes and purposes, and speaking and listening. Also similar to English 100, most units are structured as an inquiry model that centers on exploration of an essential question. Within the exploration, students apply said skills. Units repeat a similar structure—whole class learning centered on analyzing a grade level, complex text; small group learning focused on reading and writing groups collaborating; and independent learning in which students apply developed concepts to choice texts.

The major differences between ENG 100 and 200 rest in text complexity and the level of independence pursued. More specifically, ENG 200 places more emphasis on the small group and independent learning components of the course, where 100 may move at a slower pace during whole-class learning.

ENGLISH 200 HONORS

NCAA Approved

1 year - 1 credit

Test scores and teacher recommendation are used to determine eligibility

This class will study the topics outlined in English 200 with greater difficulty, at a faster pace, and using a large number of supplemental material. In addition to the requirements of English 200, Honors students will develop skills that explicitly prepare them for AP Language and Composition, such as a greater emphasis on timed writings and “cold read” summative assessments. Volume of reading and formatting expectations will be reinforced throughout the year.

ENGLISH 300

NCAA Approved

1 year - 1 credit

English 300 capitalizes on the skills practiced in ENG 100 and 200 by challenging students to become more independent with their learning and growth. Students work to read like writers and write like readers by tracking their thinking throughout units, developing their analysis and ideas through collaboration and multiple drafts, and then finalizing their work with an emphasis on self-reflection. Core skills will be monitored and advanced throughout the year’s units. Students will be expected to engage with non-traditional avenues of writing and reading such as visual storytelling and podcasting. The course seeks to balance seeing essays as an art form, yet upholding collegiate level formatting expectations. This course should work to transcend students as experienced readers and writers who are prepared to approach high stakes tests with self-confidence. Using a wide range of texts in terms of content, structure, and complexity helps ensure a high level of confidence.

ENGLISH 400

NCAA Approved

1 year - 1 credit

English 400 acts as the capstone of a student’s reading and writing experience at GKHS. The course builds off of all previous ones, but also separates itself by establishing students as wholly independent thinkers who are ready to enter life beyond high school. The course does not shy away from embracing reading and writing as an art form that promotes a well-rounded education and experience. Students will frequently be asked to self-reflect in effort to reinforce confidence as a critical thinker. Similar to English 300, a wide range of text types will be utilized in order to help illustrate the broad reach and potential of the English language. Students will be expected to complete a capstone research-based argument that asks students to deepen their understanding and beliefs within a culturally relevant topic of their choice (with guidance), work with primary and secondary sources, conduct their own experimental research, and capture a collegiate level tone. Alongside this yearlong project, students will work to deepen their appreciation of classic and contemporary literature.

AP ENGLISH LANGUAGE AND COMPOSITION

NCAA Approved

1 year - 1 credit

Juniors, must have a B average in English or counselor recommendation

From the College Board: “AP English Language and Composition is an introductory college-level composition course. Students cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and writing texts as they explore topics like rhetorical situation, claims and evidence, reasoning and organization, and style.” There is a greater emphasis on non-fiction texts, but this is done in order to prioritize argument, audience, and context.

AP English Language and Composition challenges students to read for an author’s purpose alongside writing clear and convincing arguments. There is a greater emphasis on non-fiction writing, but many of the texts read as literature and are written in a narrative form. Additionally, students will be expected to take part in many direct practice essays in preparation for the AP test at the end of the year—which they are encouraged, but not mandated, to take. We will still promote independent reading alongside whole class texts and book clubs. Ultimately, this course stretches students beyond their typical experiences working with fiction in prior classes in effort to appreciate the broader reaches of the English Language.

AP ENGLISH LITERATURE AND COMPOSITION

NCAA Approved

1 year - 1 credit

Seniors, Juniors must have a B average in English or counselor recommendation

From the College Board: “AP English Literature and Composition is an introductory college-level literary analysis course. Students cultivate their understanding of literature through reading and analyzing texts as they explore concepts like character, setting, structure, perspective, figurative language, and literary analysis in the context of literary works.”

Students will gain a broader understanding and appreciation of literary movements throughout generations. This broad focus establishes well-read students that are prepared to enter a collegiate setting. The course prepares students for the volume and complexity of a collegiate literature class by applying the expectations of a collegiate class.

CREATIVE WRITING

NCAA Approved

1 semester – 1/2 credit

Juniors or Seniors (to be taken as an elective, not in lieu of English placement)

Creative Writing is designed for students to create original forms of descriptive writing, personal essays, poetry, drama and fiction. Vocabulary development, creative writing techniques, and skills are explored. The central focus of the class will be on various processes for creating, using mentor texts as inspiration and models, and learning from providing and listening to feedback. Most important, however, will be learning to engage in a supportive creative community that empowers individual curiosity, and artistic risk taking.

CRITICAL ANALYSIS AND FILM

NCAA Approved

1 semester - 1/2 credit

Juniors or Seniors (to be taken as an elective, not in lieu of English placement)

In this course, students will learn the language of visual media in order to better analyze the techniques filmmakers employ in establishing themes and culturally significant arguments. In an effort to better understand the various purposes of filmmakers, students will study how context and artistic trends create meaning in both classic and contemporary films and television shows. Through reading and viewing a variety of texts, students will establish a foundation of critical theory that will dissect the social commentary presented in film and literature. A wide variety of writings and digital presentations will offer students opportunities to practice such analytical skills. Students will be expected to engage in an independent study of choice throughout the semester—either studying the development and impact of a current film or television show, or participating in the school's GK News club.

MATHEMATICS

(3 Credits REQUIRED)

Functional Math 9. 10. 11. 12

Counselor Placement

1 year - 1 credit

This sequence of courses is designed to develop basic computational skills in the four arithmetic processes and their applications to real life situations. Students work on counting, solving basic equations, money skills, budgeting, telling time, using a calculator, and other topics to help prepare for independent living. Each course continues the instruction at the student's level from the previous course.

Integrated Math A

Counselor Placement

NCAA Approved

1 year - 1 credit

This course is designed to develop beginning level skills in both algebra and geometry. The content covered includes, but is not limited to: basic math operations, integer operations, order of operations, fractions, solving simple algebraic equations, identifying geometric shapes, determining area and volume. Emphasis will be placed on the foundations of algebra and geometry concepts.

Integrated Math B

Counselor Placement

NCAA Approved

1 year - 1 credit

This course is designed to develop intermediate level skills in both algebra and geometry. The content covered includes, but is not limited to: integer operations, order of operations, fractions, solving intermediate algebraic equations, identifying geometric shapes, determining area and volume. Students may also encounter angles, triangles, and more challenging problem solving. Emphasis will be placed on building on the foundations of algebra and geometry concepts.

Integrated Math C

Counselor Placement

NCAA Approved

1 year - 1 credit

This course is designed to provide more advanced level skills in both algebra and geometry. The content covered includes, but is not limited to: integer operations, order of operations, fractions, solving complex algebraic equations, identifying geometric shapes, determining area and volume. Students may also encounter angles, triangles, percents, and more challenging problem solving. Emphasis will be placed on more complex algebra and geometry concepts.

GENERAL MATH

Counselor Placement

1 year - 1 credit

General Math is the beginning course of the advancement to Algebra. The content covered includes, but is not limited to: integer operations, analyzing data, solving simple equations, problem solving, order of operation, fractions (ratios), decimals, percents, area, volume, surface area, proportions, angles, and triangles.

ALGEBRA A

Counselor Placement

NCAA Approved

1 year - 1 credit

Algebra A is the development of the following skills: problem solving, solving equations and proportions, graphing linear functions, linear relationships (including the different forms for equations of a line), solving systems of equations, and solving inequalities. Classrooms do have calculators for student use during class but a minimum of a TI-30 would be helpful for homework.

ALGEBRA B

Counselor Placement

NCAA Approved

1 year - 1 credit

Algebra B is the second portion of the Algebra I course. Skills being covered include solving and graphing quadratic equations and inequalities, simplifying rational and radical expressions, and applying the properties of exponents. Classrooms do have calculators for student use during class but a minimum of a TI-30 would be helpful for homework.

GEOMETRY 1

Counselor Placement

NCAA Approved

1 year - 1 credit

Students will explore the same topics as Geometry but at a pace based on student demonstration of content standards. The focus will be more on general topics. Classrooms do have calculators for student use during class but a minimum of a TI-30 would be helpful for homework.

ALGEBRA 2 A/B

Counselor Placement

NCAA Approved

1 year - 1 credit

Students will explore the same fundamental topics as Algebra 2 by using sequential scaffolded instructional strategies and at a pace based on student demonstration of content standards.

Many lessons involve the use of technology. Therefore, **a graphing calculator is required** for this course and any course higher than Algebra 2. The math department recommends the TI-84 or TI-Nspire. The cost of a graphing calculator is high. In the past, students have borrowed from older students. You can also find some graphing calculators at a reduced cost on Ebay, LetGo, Facebook Marketplace, etc. However, a graphing calculator is a good investment if you are planning on taking all four years of math.

INTEGRATED ALGEBRA

NCAA Approved

1 year - 1 credit

Integrated Algebra will include a brief review of linear functions and systems and continue the development of the following skills: problem solving, graphing and solving quadratic functions, solving inequalities, simplifying rational and radical expressions, and applying the properties of exponents. A scientific calculator is required for this class.

GEOMETRY

NCAA Approved

1 year - 1 credit

Geometry is applying the skills learned in Integrated Algebra to polygons and angles. Students will apply triangle congruency and/or similarity theorems/postulates to solve for missing values of a triangle. They will transform figures across the coordinate plane. Trigonometric functions will be explored. **A scientific calculator is required** for this course. The department recommends the TI-30X.

FUNDAMENTALS OF ALGEBRA 2

Counselor Placement

1 year - 1 credit

Fundamentals of Algebra 2 is an extension of concepts learned in Integrated Algebra, but taught at an appropriate pace. Topics include systems of equations with three variables, complex numbers, conic sections, and inverses. Logarithmic, polynomial, rational, and exponential functions are explored.

Many lessons involve the use of technology. Therefore, **a graphing calculator is required** for this course and any course higher than Algebra 2. The math department recommends the TI-84 or TI-Nspire. The cost of a graphing calculator is high. In the past, students have borrowed from older students. You can also find some graphing calculators at a reduced cost on Ebay, LetGo, Facebook Marketplace, etc. However, a graphing calculator is a good investment if you are planning on taking all four years of math.

ALGEBRA 2

NCAA Approved

1 year - 1 credit

Algebra 2 is an extension of concepts learned in Integrated Algebra. Topics include systems of equations with three variables, complex numbers, conic sections, and inverses. Logarithmic, polynomial, rational, and exponential functions are explored.

Many lessons involve the use of technology. Therefore, **a graphing calculator is required** for this course and any course higher than Algebra 2. The math department recommends the TI-84 or TI-Nspire. The cost of a graphing calculator is high. In the past, students have borrowed from older students. You can also find some graphing calculators at a reduced cost on Ebay, LetGo, Facebook Marketplace, etc. However, a graphing calculator is a good investment if you are planning on taking all four years of math.

TRIGONOMETRY/PRE-CALCULUS

NCAA Approved

1 year - 1 credit

Prerequisite: Algebra 2 with a grade of C or better

The key ideas presented are: transformations of functions, periodic functions and their graphs, area under a curve as a foundation for integration, inverses, exponentials, and logarithmic equations and applications, limits to infinity and at a point, properties of functions including continuity, increasing vs. decreasing, and concavity, other graphical systems including polar, conic and parametric equations, applications of vectors and trigonometric functions, algebraic fluency and simplification techniques, investigating sequences and series to find sums, and modeling using a variety of functions.

A graphing calculator is required for this course. The math department recommends the TI-84 or TI-Nspire.

CALCULUS

NCAA Approved

1 year - 1 credit

Prerequisite: Trigonometry/Pre-Calculus with a grade of B or better

The key ideas presented in Calculus are: exploring functions, instantaneous rates and Riemann sums, slope functions and curve analysis, the fundamental theorem of calculus, optimization and derivative tools, related rates and integration tools, volumes of revolution, series, parametric, and polar equations, convergence of series, extending calculus to polar and parametric equations, approximating functions, and error.

A graphing calculator is required for this course and any course higher than Algebra 2. The math department recommends the TI-84 or TI-Nspire.

STATISTICS

NCAA Approved

1 year - 1 credit

Prerequisite: Algebra 2 and a senior

This class is an introductory course in statistics and probability. It is centered around real world situations, critical analysis, and interpretations of graphs and data. The focus of this course is based on statistical thinking behind data gathering, interpretation, and analysis.

A graphing calculator is required for this course.

AP CALCULUS

NCAA Approved

1 year - 1 credit

Prerequisite: Trigonometry/Pre-Calculus or Calculus

AP Calculus will deepen a student's knowledge of Calculus. The topics covered will be functions, limits, derivatives, second derivative, L'Hopital's Rule, application of derivatives, antiderivatives, The Fundamental Theorem of Calculus, and application of the antiderivative. Students will focus on preparing for the AP Calculus AB exam in May.

A graphing calculator is required for this course; scientific calculators will not be allowed.

FOUNDATIONS IN COLLEGE MATHEMATICS

1 year - 1 credit

Prerequisite: Algebra 2 and a Senior

Students who plan to attend a junior college after graduation who receive a C or higher in BOTH semesters of this course will start in college-level math courses (no placement testing will be needed). Some universities will also accept this course as a prerequisite/placement test.

A fourth year mathematics course designed with emphasis on algebraic skill improvement. Topics covered will include linear functions and their graphs, systems of equations, factoring, rational expressions, compound inequalities, absolute value functions, radical expressions and functions, solving quadratic formulas by all techniques, complex numbers, and exponential functions. Coursework will include projects for most chapters. Students will work individually and in teams to solve problems designed to help achieve success in college mathematics courses.

This course may not be considered as a fourth year of mathematics by all colleges/universities. Always consult with your school to see if this course meets their entrance requirements.

APPLIED MATHEMATICS

1 year - 1 credit

Prerequisite: Seniors (or Juniors with recommendation)

This class will study mathematics as needed by the consumer and the worker. Topics include part-time and full-time work, purchases, credit, taxes, loans, travel, insurance, and budgets. This course is an excellent introduction to math in the real world. A basic calculator is needed for this course.

APPLIED MATHEMATICS 1

1 year - 1 credit

Counselor Placement

This survey level course will provide an overview of the basic concepts in Applied Math. This class will study mathematics as needed by the consumer and the worker. Topics include part-time and full-time work, purchases, credit, taxes, loans, travel, insurance, and budgets. This course is an excellent introduction to math in the real world. A basic calculator is needed for this course.

SCIENCE

3 Credits *REQUIRED* and may include “Agricultural Science”, “Small Veterinary Science” and “Large Veterinary Science”

Practical Science/Social Studies 9, 10, 11, 12

**1 year - 1 credit*

Counselor Placement

This sequence of courses provides an overview of current topics in social studies and science and how they relate to the world around us. Topics may include government, environment, culture, experiments, and geography. Emphasis is placed on reading, comprehension and application between what is happening in the world and the student’s life. Each course continues the instruction at the student’s level from the previous course.

**In the course of a school year, students taking the course both semesters earn .5 science credit and .5 social studies credit. In the event that students only take one semester, we typically issue science credit.*

GENERAL SCIENCE 1

NCAA Approved

1 year - 1 credit

Counselor Placement

This course is a survey level science course that will focus on scientific thinking and the scientific method. Instruction involves hands-on activities and real-world applications. Units of study may include, but are not limited to, topics in chemistry, matter, botany, paleontology & anthropology, current issues in science, or forensics.

EARTH AND PHYSICAL SCIENCE 1

NCAA Approved

1 year - 1 credit

Counselor Placement

This course is designed to provide students with a foundation and an overview of earth and physical science, which includes but is not limited to, earth science, physical science, and environmental science. Some topics discussed in earth science include plate tectonics, earthquakes, volcanoes, and weather patterns. Physical science will include the study of solids, liquids, gases, the properties of atoms and the periodic table, chemical bonds, and solutions. Environmental science will deal with populations and communities, ecosystems and biomes, living resources and land, and water and air resources.

BIOLOGY 1

NCAA Approved

1 year - 1 credit

Counselor Placement

Biology is a science course that covers the study of living things. Biology focuses on the study of life by examining the five fundamental concepts of cellular biology, genetics, ecology, evolution, and physiology. It also focuses on skills that scientists use, including asking questions, making predictions, designing experiments or procedures, collecting and organizing information, calculating data, making decisions, drawing conclusions, and exploring more options. Students may learn scientific writing skills and also examine current biological issues.

Conceptual Earth & Physical Science*

NCAA Approved

1 year - 1 credit

FORMERLY EARTH & PHYSICAL SCI

Counselor recommendation

This course is an integrated Earth Science and Physical Science course designed for the freshmen level, but at an appropriate pace, that will intertwine topics from both disciplines to provide students with a well-rounded science foundation. The course will offer a wide spectrum of scientific information, concepts, terminology, and laboratory practices to prepare students for future science courses. Course curriculum concepts and laboratory activities closely support the Next Generation Science Standards (NGSS).

*Regular Earth & Physical Science course with extra support staff

EARTH & PHYSICAL SCIENCE

NCAA Approved

1 year - 1 credit

This course is an integrated Earth Science and Physical Science course designed for the freshmen level that will intertwine topics from both disciplines to provide students with a well-rounded science foundation. The course will offer a wide spectrum of scientific information, concepts, terminology, and laboratory practices to prepare students for future science courses. Course curriculum concepts and laboratory activities closely support the Next Generation Science Standards (NGSS).

CONCEPTUAL CHEMISTRY*

NCAA Approved

1 year - 1 credit

Sophomores-Seniors and Counselor recommendation

This chemistry course is an inquiry-designed, laboratory specific course at an appropriate pace. Students will cover basic knowledge of chemistry and the chemical processes that are essential to people living in society along with thinking and problem-solving skills. Activities push students to develop independent thinking through inquiry activities. Topics include: the development of an Atomic Theory model, factors that influence chemical change, properties of the elements, chemical symbols, writing formulas, writing equations, stoichiometry, shape and behavior of molecules, kinetics, and nuclear chemistry. Course curriculum concepts and laboratory activities closely support the Next Generation Science Standards (NGSS).

*Regular Chemistry course with extra in-class support staff

CHEMISTRY

NCAA Approved

1 year - 1 credit

Sophomores-Seniors

This chemistry course is an inquiry-designed, laboratory specific course. Students will cover basic knowledge of chemistry and the chemical processes that are essential to people living in society along with thinking and problem-solving skills. Activities promote students to develop independent thinking through inquiry activities. Topics include: the development of an Atomic Theory model, factors that influence chemical change, properties of the elements, chemical symbols, writing formulas, writing equations, stoichiometry, shape and behavior of molecules, kinetics, and nuclear chemistry. Course curriculum concepts and laboratory activities closely support the Next Generation Science Standards (NGSS).

HONORS CHEMISTRY

NCAA Approved

1 year - 1 credit

Sophomores-Seniors – Teacher Approval Required

This chemistry course is an accelerated-paced laboratory specific course designed to prep students for the rigor of future AP Science courses. Students will develop thinking and problem-solving skills at a critical thinking level. Topics include: properties of the elements, the development of an Atomic Theory model, chemical symbols, writing formulas, shape and behavior of molecules, writing equations, stoichiometry, factors that influence chemical change, kinetics, solutions, acids and bases, and nuclear chemistry. Course curriculum concepts and laboratory activities closely support the Next Generation Science Standards (NGSS).

CONCEPTUAL BIOLOGY*

NCAA Approved

1 year - 1 credit

Counselor recommendation

This is a phenomenon-based curriculum with a multifaceted approach to life science. This course is designed for the junior level and will intertwine multiple fundamental topics in Biology, which includes the scientific method, cells, homeostasis, cell division, genetics, evolution, and ecology, through various storylines. The inquiry design will challenge students to work on higher level thinking skills with teacher guidance. The course will offer a wide spectrum of scientific information, concepts, terminology, and laboratory practices. This curriculum follows the best practices for implementing the Next Generation Science Standards (NGSS).

*Regular Biology course with extra support staff

BIOLOGY

NCAA Approved

1 year - 1 credit

This is a phenomenon-based curriculum with a multifaceted approach to life science. This course is designed for the junior level and will intertwine multiple fundamental topics in Biology, which includes the scientific method, cells, homeostasis, cell division, genetics, evolution, and ecology, through various storylines. This is a student-driven course with teacher guidance through the storylines that will challenge students to use higher level thinking skills through the inquiry design. The course will offer a wide spectrum of scientific information, concepts, terminology, and laboratory practices. This curriculum follows the best practices for implementing the Next Generation Science Standards (NGSS).

CHEMISTRY II

NCAA Approved

1 year - 1 credit

Counselor recommendation

This course extends the concepts presented in Chemistry to include solution equilibrium, ionization and solubility, oxidation and reduction, the study of gases, acids, bases oxidation/reduction reactions, electrochemistry, and organic chemistry. This class is recommended for students interested in pursuing a career in science.

PHYSICS

NCAA Approved

1 year - 1 credit

Juniors-Seniors

Prerequisite: full year of Chemistry and Geometry

Counselor recommendation

This course involves a study of mechanics, (motion and forces), heat, work, aerodynamics, friction, vectors, projectile motion, electricity, and magnetism. Course curriculum concepts and laboratory activities closely support the Next Generation Science Standards (NGSS). Students who are interested in science, with the possibility of future career involvement, should definitely take this course.

AP BIOLOGY

NCAA Approved

1 year - 2 credits

Prerequisite: full year of Chemistry

Counselor recommendation

AP Biology is a two credit course, which meets the equivalent of five class periods per week. It features extensive content in biochemistry, biomedical genetics, cellular physiology, evolution, and an extensive survey of organisms. It is the equivalent of a two semester college course for Biology majors. This course prepares the student to take the Biology examination given by the national Advanced Placement (AP) program in May. Success on this exam may entitle the student to college credit, advanced college placement, or both.

AP ENVIRONMENTAL SCIENCE

NCAA Approved

1 year - 1 credit

Counselor recommendation

The AP Environmental Science course is designed to be the equivalent of a one semester, introductory college course in environmental science. It has been developed as a rigorous science course that stresses scientific principles, analysis, and a strong laboratory component. The goal of the AP Environmental Science course is to provide students with the interrelationships of the natural world, to identify and analyze environmental problems, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study. There are several unifying themes that provide a foundation for the structure of the course.

SOCIAL STUDIES

(2 Credits - REQUIRED)

Practical Science/Social Studies 9, 10, 11, 12

*1 year - 1 credit

Counselor Placement

This sequence of courses provides an overview of current topics in social studies and science and how they relate to the world around us. Topics may include government, environment, culture, experiments, and geography. Emphasis is placed on reading, comprehension and application between what is happening in the world and the student's life. Each course continues the instruction at the student's level from the previous course.

**In the course of a school year, students taking the course both semesters earn .5 science credit and .5 social studies credit. In the event that students only take one semester, we typically issue science credit.*

World Cultures 1

NCAA Approved

1 year - 1 credit

Counselor Placement

This course provides a general overview of historical and present day culture including geography, family life and structure, social organizations, religious beliefs, and education. Emphasis will be placed on reading, writing and analyzing graphs and charts. The class also works to help students use critical thinking skills, understand cultural differences, and extend social interaction skills.

Global Affairs 1

NCAA Approved

1 year - 1 credit

Counselor Placement

This course focuses on current issues taking place in the world today. The course will develop student skills in classroom discussions, speeches, debates, and roles in cooperative groups. Emphasis will be placed on building reading and writing skills. The class also works to help students use critical thinking skills, understand world issues, and extend social interaction skills.

AMERICAN HISTORY 1* MEETS AMERICAN GOVERNMENT/CIVICS & AMERICAN HISTORY REQUIREMENTS

Counselor placement

NCAA Approved

1 year - 1 credit

This course is an overview of American History from colonial times to the present day. Students study states, resources and physical features of the United States. The study of various levels of government and civics. Documents and institutions of the United States will be included. **The U.S. Constitution test is given in this course.**

*Passing the full year of this course counts as both the American Government/Civics and American History requirements.

Geography A

NCAA Approved

1 semester - 1/2 credit

Counselor Placement

This course looks at the world in spatial terms, places and regions, physical systems, human systems and the environment and society. Students will be building their skills on interpreting charts and graphs, labeling and recognizing maps, and understanding key geographic concepts. The class also works to help students apply their geographic knowledge to their community, state, nation, world, and themselves.

WORLD CULTURES REQUIRED

NCAA Approved

1 semester - 1/2 credit

World Cultures is a course that focuses on historical and present-day culture with an in-depth look at geography, family life and structure, social organizations, education, religious beliefs, economic life, political trends, and artistic accomplishments. Additional emphasis will include skill based learning on reading, writing, and analyzing graphs and charts.

GEOGRAPHY I*

NCAA Approved

1 semester - 1/2 credit

This course looks at the world in spatial terms, places and regions, physical systems, human systems and the environment and society. Geography I focuses on the Western Hemisphere, Europe, Russia, Australia, Oceania, and Antarctica. Students will be building their skills on interpreting charts and graphs, labeling and recognizing maps, and understanding key geographic concepts.

**Geography I and Geography II can be taken in ANY order (you do not have to take Geography I first).*

GEOGRAPHY II*

NCAA Approved

1 semester - 1/2 credit

Geography II focuses on Africa and Asia. Students will continue to build their skills on interpreting charts and graphs, labeling and recognizing maps, and understanding key geographic concepts.

**Geography I and Geography II can be taken in ANY order (you do not have to take Geography I first).*

WORLD HISTORY I*

NCAA Approved

1 semester - 1/2 credit

This course is offered first semester only. World History I is an overview of world history from pre-history to the Middle Ages. Emphasis is on the development of early civilizations and major monotheistic religions. Major units include the Egyptians, Mesopotamian Civilizations, Greeks, Romans, and Medieval Period. Projects are required with each unit, as are discussion and participation.

**World History I and World History II can be taken in ANY order (you do not have to take World History I first).*

WORLD HISTORY II*

NCAA Approved

1 semester - 1/2 credit

This course is offered second semester only. World History II is an overview of world history from the Renaissance until World War I. The emphasis is on the political, social, and economic rise of nations. Major units include the Renaissance, French Revolution, English Absolutism, Industrialism and World War I. Projects are required with each unit, as are discussion and participation.

**World History I and World History II can be taken in ANY order (you do not have to take World History I first).*

AMERICAN GOVERNMENT/CIVICS REQUIRED

NCAA Approved

1 semester - 1/2 credit

Sophomores

This course is an overview of American History from colonial times to the present day. Students study various levels of government and civics. Documents and institutions of the United States will be included. The material will help young people acquire and learn to use skills, knowledge, and attitudes that will prepare them to be competent and responsible citizens throughout their lives. **The state required Illinois constitution and U.S. constitution test is given in this course.**

20th Century Civil Liberties and Civil Rights

NCAA Approved

1 semester - 1/2 credit

Sophomores-Seniors

This course will focus on the history, struggles, successes and similarities of diverse groups of twentieth-century Americans who protested on behalf of civil liberties and civil rights. The course will begin with an understanding of America's founding documents—The Declaration of Independence and the United States Constitution—and the conceptual and historical paradoxes of each. The course will also emphasize the flexibility of the U.S. Constitution, and specifically the impact of additional amendments over time and their varying interpretations on both civil liberties and civil rights during the Twentieth Century. The primary drive of the course will be the historical narrative of a people who persevered to give greater meaning to our founding creed and those founding American documents. This story will include the twentieth century social movements for greater freedom and equality led by and for various groups of Americans which will include, women, African Americans, Native Americans, Asian Americans, Latinos, disabled Americans and gay Americans.

GLOBAL AFFAIRS

Sophomores-Seniors

NCAA Approved*1 semester - 1/2 credit*

This course focuses on current issues taking place in the world today. The course will develop student skills in classroom discussions, public speaking, debating, and roles in cooperative groups. Participation is required.

AMERICAN HISTORY REQUIRED

Juniors

NCAA Approved*1 year - 1 credit*

American History is a study of the historical development of the United States from 1865 to the present. It is not only a historical survey, but also a study of the unique American culture, including the political development of our government and laws based on the U.S. Constitution, as well as the social development of American society and its people.

AP U.S. HISTORY MEETS AMERICAN HISTORY REQUIREMENT

Junior or Senior

Counselor recommendation

NCAA Approved*1 year - 1 credit*

AP U.S. History is a challenging course that is meant to be equivalent of a freshmen college history course. Students can earn college credit by paying to take and then passing the AP U.S. History Test. The course is a two-semester survey of American History from the age of exploration to the present. An emphasis is placed on historical reading and writing, along with a willingness to devote considerable time to homework and study are necessary for success in AP U.S. History. A summer reading assignment may be a requirement for taking the course.

AP Human Geography MEETS WORLD CULTURES REQUIREMENT

Freshman

GKMS Teacher + GKHS Counselor recommendation

NCAA Approved*1 year – 1 credit*

AP Human Geography introduces high school students to college-level introductory human geography or cultural geography. The content is presented thematically rather than regionally and is organized around the discipline's main subfields: economic geography, cultural geography, political geography and urban geography. The goal for the course is for students to become more geoliterate, more engaged in contemporary global issues, and more informed about multicultural viewpoints. They will develop skills in approaching problems geographically, using maps and geospatial technologies, thinking critically about texts and graphic images, interpreting cultural landscapes, and applying geographic concepts such as scale, region, diffusion, interdependence, and spatial interaction, among others. Students will see geography as a discipline relevant to the world in which they live; as a source of ideas for identifying, clarifying, and solving problems at various scales; and as a key component of building global citizenship and environmental stewardship. The AP Human Geography course is equivalent to an introductory college-level course in human geography and can be taken in place of the required World Cultures course. This course is designed primarily for freshmen and for the 2022-2023 school year, at least, will only be offered to incoming freshmen.

PHYSICAL EDUCATION, HEALTH, & DRIVERS EDUCATION

3.5 credits of Physical Education – REQUIRED (in addition to the 25 credits required for graduation)

PHYSICAL EDUCATION (P.E.)

1 semester – 1/2 credit

P.E. includes a variety of individual, dual, and team sports. Effort, participation, dress, conduct, skill, and written tests determine the grade.

PERSONAL FITNESS

1 semester – 1/2 credit

Personal Fitness is offered as an extension of the regular physical education curriculum. It will provide a unique opportunity to participate in a weight room setting working on personal fitness plans based on personal fitness levels in the areas of cardiovascular endurance, muscular strength, muscular endurance, flexibility and body composition. Students will learn about muscles, body mechanics, and fitness training while setting goals. This course will give students personal fitness strategies that can be used to gain or maintain good personal fitness beyond the high school setting.

ATHLETIC PHYSICAL EDUCATION

1 semester – 1/2 credit

***IHSA Athletes ONLY**

Athletic PE is an athletic-based PE Course focusing on strength training & speed/agility. We will use strength tracker to keep data on the progress of students through their entire high school career. This course is designed for student athletes who participate in at least one IHSA recognized sport during the school year.

Health 1

1 year – 1 credit

Counselor placement

This course is designed to provide an overview of mental and emotional health, personal health and first aid, growth and development, sexuality, use and misuse of substances, and diseases and disorders. Emphasis will be placed on the importance of living a healthy lifestyle and making positive health-related choices.

HEALTH EDUCATION REQUIRED

1 semester - 1/2 credit

The health education class is designed to aid a student in understanding the facts, concepts and generalizations of mental health, personal health, diseases in our environment, drug/alcohol/tobacco use in our society, and human sexuality and life styles. Students will receive training in Community CPR and standard First Aid.

DRIVERS EDUCATION

1 quarter (9 weeks) - 1/2 credit

Sophomores get placed first by birth date. Any open spots will then be filled by freshmen according to birth date.

State requirement states that you must pass at least 8 classes in the previous 2 semesters to take Driver's Education.

Permits: Students who are enrolled in Drivers Education at the high school are able to get their permit 30 days before the start of the class (aka physically in the classroom).

Classroom/Behind-the-Wheel training: The State of Illinois requires a minimum of 30 hours of classroom instruction and six hours of Behind-the-Wheel (BTW) Some of the units of instruction include basic car control, DUI and driving, basic car maneuvers, handling emergencies, interacting at intersections, and understanding traffic laws.

OTHER COURSES

Assisted Study Hall

1 semester - 1/2 credit

Counselor Placement
Course may be repeated

This course is designed to assist students in managing their education and developing their study skills. Students will learn executive functioning skills including time management, note taking, organizing materials, setting short and long term goals, and completing tasks within deadlines. Students will receive support completing assignments and tests from other classes. Students will also monitor their grades and develop a plan to bring up their grades if needed.

Life Skills 9

1 year - 1 credit

Counselor Placement

This course is designed to increase students' knowledge of and ability in using the skills necessary for everyday living. Life Skills emphasizes defining personal values, goal setting and planning and solving problems. Instruction material focuses on communication, working with others, decision-making, personal safety, environmental awareness and how students can contribute to their own community. Emphasis will be placed on banking and budgeting skills.

Life Skills 10

1 year - 1 credit

Counselor Placement

This course is designed to increase students' knowledge of and ability in using the skills necessary for everyday living. Life Skills emphasizes defining personal values, goal setting and planning and solving problems. Instruction material focuses on communication, working with others, decision-making, personal safety, environmental awareness and how students can contribute to their own community. Emphasis will be placed on study skills and time management.

Life Skills 11

1 year - 1 credit

Counselor Placement

This course is designed to increase students' knowledge of and ability in using the skills necessary for everyday living. Life Skills emphasizes defining personal values, goal setting and planning and solving problems. Instruction material focuses on communication, working with others, decision-making, personal safety, environmental awareness and how students can contribute to their own community. Emphasis will be placed on writing skills and test taking strategies.

Life Skills 12

1 year - 1 credit

Counselor Placement

This course is designed to increase students' knowledge of and ability in using the skills necessary for everyday living. Life Skills emphasizes defining personal values, goal setting and planning and solving problems. Instruction material focuses on communication, working with others, decision-making, personal safety, environmental awareness and how students can contribute to their own community. Emphasis will be placed on concepts needed to transition from high school to work or to academia.

Instructional Strategies

1 year - 1 credit

Counselor Placement

This course is designed to allow students to efficiently and independently meet the curricular demands of other core-academic classes as well as high stake-assessments. Academically, students will learn strategies to successfully comprehend and respond to inferential, content-related questions. Strategy instruction will also be used to bolster student's ability to correctly identify and summarize main ideas and details of grade-level text. Other strategies are designed to help students sustain success in other classes by effectively organizing materials as well as identifying resources to support their learning process. In addition, students will be provided with essential skills needed for learning

how to effectively integrate 21st century skills into their learning. Students will also be taught to take initiative in order to confidently apply these skills in multiple situations including, but not limited to utilizing banking services as well as identifying and solving problems within a variety of life situations. This course will also include engaging activities where students will apply new skills in a collaborative and student-centered way. Students will also receive guidance that will allow them to focus on goals and succeed in their future endeavors.

Instructional Strategies 1

1 semester - 1/2 credit

Counselor Placement

This course has been developed to provide students with essential skills needed for learning how to effectively integrate 21st century skills into their learning. Students will also be taught to take initiative in order to confidently apply these skills in multiple situations including, but not limited to utilizing banking services and identifying and solving problems within a variety of life situations. This course will also include engaging activities where students will apply new skills in a collaborative and student centered way. Students will also receive guidance that will allow them to focus on goals and succeed in their future endeavors.

Informational Strategies

1 year - 1 credit

Counselor Placement

This course is designed to provide students with a foundation and an overview of learning strategies, as well as efficiently and independently meeting the curricular demands of other core-academic classes and high stake-assessments. Academically, students will learn strategies to successfully use while taking classroom tests. Students will learn to allocate time and prioritize within each section of the test, read carefully and focus on important elements in test instructions including systematically and quickly progress through a test, make well-informed choices, check their work, and take control of the testing situation. Students will be able to apply learned strategies across subject areas.

Students will also develop skills that will help them succeed in their careers and in their everyday lives. Students will learn that choosing the right career requires self-exploration, as well as research and planning. Making that career a success requires critical-thinking, communication and problem solving skills. Students will learn key workplace skills such as responsibility, self-management, leadership and integrity. Real world budgeting and finance skills will also be included.

Informational Strategies 1

1 semester - 1/2 credit

Counselor Placement

Students will develop skills that will help them succeed in their careers and in their everyday lives. Students will learn that choosing the right career requires self-exploration as well as research and planning. Making that career a success requires critical-thinking, communication and problem solving skills. Students will learn key workplace skills such as responsibility, self-management, leadership and integrity. Real world budgeting and finance skills will also be included.

Fundamental Strategies

1 year - 1 credit

Counselor Placement

This course is designed to provide students with techniques to enhance writing skills for academics as well as high stake-assessments. Students will independently find and correct errors in their written work to increase the overall quality of the final product. Organizational strategies for planning concise paragraphs and themes will be developed through planning point of view, sequencing and expressing ideas. Coursework will promote higher level thinking skills to examine literature and associated essay writing requirements that relate to their language arts, literature, and other content-related subjects. Students will also develop the self-monitoring strategies that are critical to achieving academic success across all environments. Fundamental Strategies also integrates academic standards-based activities with real-world workplace connections. The course emphasizes workplace skills, technology, understanding and working with cultural differences. It includes real-world connections that simulate real-life anecdotes or passages that deal with issues of work, including skills such as interpersonal communication.

Fundamental Strategies 1 Semester

1 semester - 1/2 credit

Counselor Placement

This course prepares students for the 21st century workplace. It integrates academic standards-based activities with real-world workplace connections. The course emphasizes workplace skills, technology, understanding, and working with

cultural differences. It includes real-world connections that simulate real-life anecdotes or passages that deal with issues of work, including skills such as interpersonal communication. Relevant finance skills will also be integrated.

Transition Strategies

Counselor Placement

1 year - 1 credit

This course is designed to provide students with the concepts needed to transition from high school life to work or to academia. This is accomplished through teaching students the strategies needed to understand the concepts such as respect, tolerance, empathy, and team building. Students will learn these concepts to become successful within their chosen career or to benefit and support them in a community college or university setting. Students will also learn strategies that will prepare them to participate in any type of conference, including education and transition planning conferences. These strategies will also help the students to become more organized and also to assist them with better communication techniques, and goal setting. This course will also provide the foundation from which students can customize their college and career readiness goals and aspirations. Coursework will provide meaningful engagement for students while serving as a model, no matter which direction they choose to pursue. Project-based learning will be focused on academic coursework preparation, study skills, transitional life skills, the college application process, and the world of work.

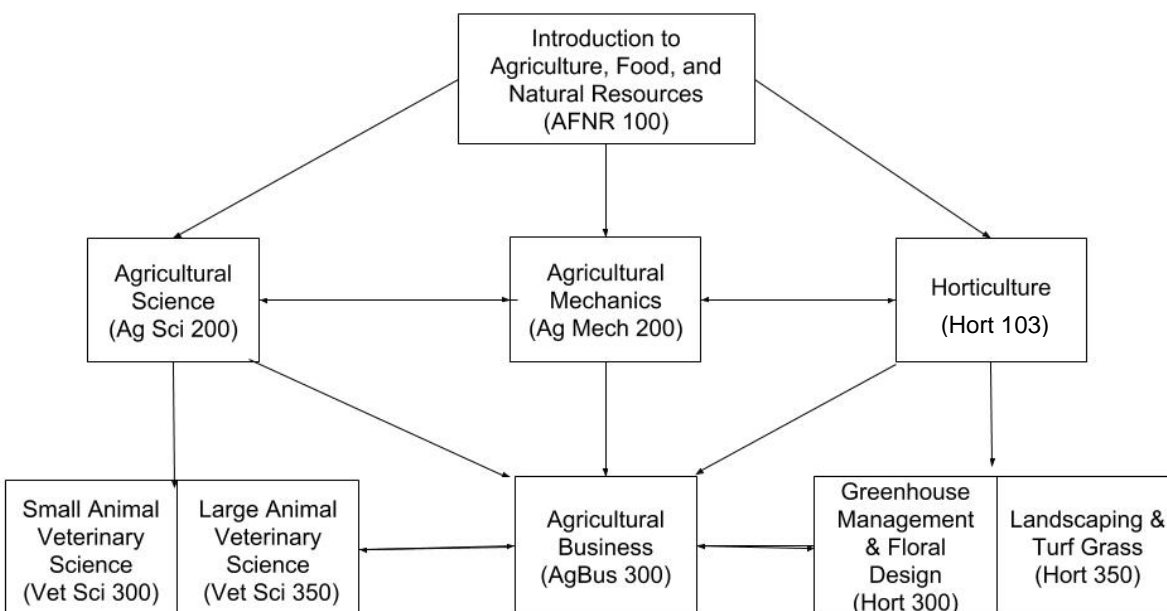
Transition Strategies 1 Semester

Counselor Placement

1 semester - 1/2 credit

College and career readiness will provide the foundation from which students can customize their college and career readiness goals and aspirations. Coursework will provide meaningful engagement for students while serving as a model, no matter which direction they choose to pursue. Project-based learning will be focused on academic coursework preparation, study skills, transitional life skills, the college application process, and the world of work.

AGRICULTURE



Course Rotations:

- *Veterinary Science, Agricultural Business are offered in odd fall years (2021-2022)*
- *Ag Mechanics, Greenhouse Management & Floral Design, and Landscaping & Turf Grass are offered in even fall years (2022-2023)*

AFNR 100: INTRODUCTION TO AFNR (AGRICULTURE, FOOD, AND NATURAL RESOURCES)

Freshmen-Sophomores

1 year - 1 credit

Prerequisite: None

Basic concepts of the agriculture, food, and natural resources industry will be covered in an inquiry based, laboratory classroom format. Topics include communication, agriscience concepts, basic plant science, basic animal science, introductory natural resources, basic mechanics, and introductory ag business concepts. This course will focus on all aspects of agriculture and how diverse it is. The FFA youth organization and student supervised agricultural education (SAE) experience programs will be taught and are a component of the 3-circle model of agricultural education. This course is a prerequisite for all other agricultural education courses.

AG SCI 200: AGRICULTURAL SCIENCE*

Sophomore-Senior

1 year - 1 credit

Prerequisite: Introduction to ANFR

This second level course builds on the Introduction to the AFNR course. Student laboratories and exploration on agricultural science principles focus on animal science, soil science, plant science, and other aspects of production agriculture. This class is designed to engage students in labs and develop skills that can be applied to current, relevant careers in agriculture. In addition, students will be able to gain basic knowledge, lab skills, and report knowledge used in the veterinary science course. The FFA youth organization and student supervised agricultural education (SAE) experience programs will be taught and are a component of the 3-circle model of agricultural education.

*This course counts as a high school science.

HORT 103: HORTICULTURE SCIENCE AVAILABLE AS DUAL CREDIT CLASS

Sophomore-Seniors

Prerequisite: Introduction to ANFR

1 year - 1 credit

This secondary level course builds on the plant science principles of the Introduction to ANFR course to explore the horticulture industry. Fundamentals of physical and biological science related to horticulture as well as terminology and concepts in chemistry, genetics, and entomology used in subsequent horticulture courses will be studied. Students will work in the program greenhouse to raise various plants. The FFA youth organization and student supervised agricultural education (SAE) experience programs are a component of the 3-circle model of agricultural education. **Students have the opportunity to enroll in this course for DUAL CREDIT with Kishwaukee College. This is transferrable to all state universities.** There will be a fee for students pursuing the dual credit option. The dual credit option is only available for juniors and seniors.

AG MECH 200: AGRICULTURAL MECHANICS

Sophomores-Seniors

Prerequisite: Introduction to ANFR

1 year - 1 credit

This course will concentrate on expanding students' knowledge and experiences with agricultural mechanics utilized in the agricultural industry. Units of basic instruction included are: small gas engines, land measurement and surveying, concrete, welding, and electricity. Student learning will take place in the agricultural mechanics shop. Students will gain basic knowledge of each of these areas that can be applied to various industries. The FFA youth organization and student supervised agricultural education (SAE) experience programs will be taught and are a component of the 3-circle model of agricultural education.

HORT 300: GREENHOUSE AND FLORAL DESIGN

Juniors-Seniors

Prerequisite: Horticulture

1 semester - 1/2 credit

This 3rd level course builds on experience previously developed in Horticulture class. This career focus course will study greenhouse management, greenhouse work, floral design, and related segments of the horticulture industry. Major units of study include plant identification, greenhouse structures, and the culture of greenhouse crops. Also included is care and handling of cut flowers, principles of art applied to floral design, and the mechanics of floral design and sales. Students will be a part of managing and developing products to sell for the department. The FFA youth organization and student supervised agricultural education (SAE) experience programs will be taught and are a component of the 3-circle model of agricultural education.

HORT 350: LANDSCAPING & TURF GRASS

Juniors-Seniors

Prerequisite: Horticulture

1 semester - 1/2 credit

This 3rd level course focuses on the landscape, nursery, and turf segments of the horticulture industry. Units of study include: identifying landscape plants, designing landscape plans, hardscape construction techniques, and installing landscape plants. Also included are nursery production, turf grass production, and maintenance of existing landscapes. The FFA youth organization and student supervised agricultural education (SAE) experience programs will be taught and are a component of the 3-circle model of agricultural education.

VET SCI 300: SMALL ANIMAL VETERINARY SCIENCE*

Juniors-Seniors

Prerequisite: Introduction to ANFR & Agricultural Science

1 semester - 1/2 credit

This 3rd level semester course will focus on laboratories and concepts behind veterinary science. This first semester course focuses on cat, dog, and other companion animals. Students will develop skills in working as a veterinary assistant. Hands on activities will involve animal anatomy, bandaging, veterinary clinic work, animal health activities, animal restraint, and veterinary lab practicums. The FFA youth organization and student supervised agricultural education (SAE) experience programs will be taught and are a component of the 3-circle model of agricultural education.

*This course counts as a high school science

VET SCI 350: LARGE ANIMAL VETERINARY SCIENCE*

Juniors– Seniors

1 semester - 1/2 credit

Prerequisite: Introduction to AFNR & Agricultural Science

This 3rd level semester course will focus on the laboratories and concepts behind large animal veterinary science. This second semester course focuses on horses and livestock such as pigs, cattle, hogs, sheep, and goats. Students will develop skills in working as a veterinary assistant. Hands on activities will involve animal anatomy and specimen dissection, bandaging, animal health activities, animal restraint, and veterinary lab practicums. The FFA youth organization and student supervised agricultural education (SAE) experience programs will be taught and are a component of the 3-circle model of agricultural education.

*This course counts as a high school science.

AG BUS 300: AGRICULTURAL BUSINESS* MEETS CONSUMER ECONOMICS REQUIREMENT

Prerequisites: Agricultural Science, Horticulture, or Agricultural Mechanics

1 year - 1 credit

This course is designed to develop student knowledge and skills in operating an agribusiness. Instructional units include: establishing, managing, and financing of the agribusiness, marketing and advertising, product development, sales techniques and strategies, communicating with employees and customers, and studying various agricultural companies and career opportunities. The FFA youth organization and student supervised agricultural education (SAE) experience programs will be taught and are a component of the 3-circle model of agricultural education.

*Passing the full year of this course counts as the semester Consumer Economics Requirement.

SAE: SUPERVISED AGRICULTURAL EXPERIENCE

1 semester - 1/2 credit

Sophomores-Seniors in FFA

Prerequisite: Introduction to AFNR

Qualified students can earn up to 3 credits over three years

Pass/Fail grade

Students will gain credit by maintaining a project at their home, at a local business, or at school usually after normal school hours. Example projects may include, but are not limited to: working at a garden center, raising vegetables/grain/livestock, conducting agriscience experiments in a greenhouse, and training horses at a stable. Students will be required to verify their experiences by keeping written records on the AET, and will be required to participate in proficiency award judging including: business agreements, budgets, inventories, daily activities, hours worked, income and expenses, total earnings, depreciation, and net worth.

ART

ART 150 - ART FUNDAMENTALS

1 year - 1 credit

A beginning-level year-long art class which directs students in the processes and techniques basic to visual arts. Drawing, printmaking, ceramics, commercial art, design, sculpture and painting are introduced. The student will develop an art vocabulary, awareness of art careers, and a variety of art skills. **Art 150 is a pre-requisite for all other art classes.**

ART 200 - DRAWING

1 semester - 1/2 credit

Prerequisite: Art 150

A semester long course designed to give students more training and experience in the fields of drawing and design. Subjects and surfaces will vary with each assignment, including life drawing work, commercial art, and abstract art. Materials such as pencil, ink, charcoal and pastels will be explored.

ART 220 - PAINTING WORKSHOP

1 semester - 1/2 credit

Prerequisite: Art 150

This semester-long course is an introduction to the media and the techniques of painting. The emphasis is on paint handling techniques and color theory. A variety of compositional approaches will allow students to discover different styles. Watercolor, tempera and acrylic paints, and oil pastels will be used.

ART 230 - THREE DIMENSIONAL STUDIO

1 semester - 1/2 credit

Prerequisite: Art 150

Max Capacity of 25 students

This semester-long course provides students with the skill of designing relief sculpture and sculpture in the round. Students investigate and learn to work with the qualities of materials such as paper, plaster, clay, wood, and found objects

Art 240 - DIGITAL PHOTOGRAPHY

1 semester- 1/2 credit

Prerequisite: Art 150

Juniors or seniors

Max Capacity of 25 students

Digital Photography focuses on the fundamentals of taking a photo, portraits, self-portraits, fine art photos, black and white photography, and photo journalism.

Students are required to have their own digital camera DSLR with appropriate cords,, folder or binder, e-mail address AND flash drive or SD Card.

ART 300 - INDEPENDENT ART

1 year - 1 credit

Juniors or seniors

Prerequisites: Completion on Art 150, 200, 220, and 230 with grades of "A" or "B" in ALL classes and MUST meet with teacher with your portfolio before consent will be given.

This year-long class is geared toward the serious art student. The student must be able to work independently to come up with and create their own art ideas, and expand upon methods previously learned. Those considering a career in art will work on developing a portfolio. All students must keep a sketchbook outside of class. All students must complete a sketch book over the summer before beginning the independent art class, and show the teacher before class begins.

This course may be repeated.

BUSINESS/TECHNOLOGY

DIGITAL LITERACY REQUIRED

1 semester - 1/2 credit

This course is an introduction on how to be a smart consumer of the internet and electronic devices. The evolving curriculum in this course matches the rapid changes of technology in the workplace and society. Upon completion of this course, students will understand how their use of technology impacts their future, relationships, college, and careers. Topics include media and well-being, privacy and security, digital footprint and identity, relationships and communication, cyberbullying and digital drama, news and media literacy. Students also receive an introduction to Google Suite which allows them to learn proper use of communication tools commonly used in the workplace. Students learn how to write a resume, cover letter, professional email, and proper financial functions and formulas of Google Sheets.

PERSONAL FINANCE

1 semester - 1/2 credit

This course is designed to help students understand the impact of individual choices on financial goals and future earnings potential. Students will develop a sound knowledge of the workforce, taxes, checking accounts, saving, paying for college, and types of credit. Students will develop strategies that include budgeting, creating an emergency fund, paying off debt, using credit cards wisely, saving for retirement, and more. This course will provide a foundational understanding for making informed personal financial decisions to improve the financial lives of the next generation.

BUSINESS ESSENTIALS

1 semester - 1/2 credit

This orientation-level course will provide students with an overview of all aspects of business. The course will help students build a strong knowledge base and develop management skills as they study entrepreneurship, forms of business ownership, functions of management, budgeting and finance, technology, communications, leadership and teamwork, marketing, and economics. Emphasis will be placed on using computers while learning business skills, communication skills (thinking, listening, composing, revising, editing, and speaking), math, and problem-solving. This course emphasizes strong decision-making, critical thinking, and collaborative skills to complete both individual and group projects throughout the semester. Real life projects and content application allow students to demonstrate their understanding of learned content. This course will examine the impact of business on our everyday lives, as well as teach many critical business concepts to ready student for a career in business.

ACCOUNTING 1

1 semester - 1/2 credit

Sophomores-Seniors

This course assists students pursuing a career in accounting, business, marketing, and management. This course uses an online accounting system, MindTap, that provides real-time feedback and real-world accounting practices. Accounting is planning, recording, analyzing, and interpreting financial information and does not include a lot of math. Students will develop initial and basic skills used in maintaining numerical data involved in financial records including the paying and receiving of money. Instruction includes information on keeping financial records, summarizing them for convenient interpretation, and analyzing them to provide assistance to management for decision-making. In addition to stressing basic fundamentals and terminology of accounting, instruction should provide initial understanding of the preparation of budgets and financial reports, and career opportunities in the accounting field.

ACCOUNTING 2

1 semester - 1/2 credit

Sophomores-Seniors

Prerequisite: Accounting 1

Accounting 2 is a course that builds upon the foundation established in Accounting 1. This course is planned to help students to develop deeper knowledge of the principles of accounting with more emphasis being placed on financial statements and accounting records. It is a study of previously learned principles as they apply to the more complicated types of business organizations: partnerships, corporations, branches, etc. The students may become familiar with such specialized fields of accounting as cost accounting, tax accounting, payroll accounting, and others. MindTap is still used

to simulate business conditions through the use of online practice sets. Skills are developed in the entry, retrieval, and statistical analysis of business data using computers for accounting business applications.

BUSINESS LAW

1 semester - 1/2 credit

Sophomores-Seniors

Introduces law and the origins and necessity of the legal system; provides insight into the evolution and development of laws that govern business in our society; develops an understanding of how organization and operation of the legal system impact business; develops an understanding of rights and duties within the business environment; and includes contractual responsibility, protection of individual rights in legal relationships relative to warranties, product liability, secured and unsecured debts, negotiable instruments, agencies, employer-employee relations, property ownership and transfer, landlord and tenant, wills and estates, community property, social security, and taxation. Students will share in current event discussions as they pertain to the law and engage in various role playing activities such as mock trials.

BUSINESS & TECHNOLOGY

1 semester - 1/2 credit

Sophomores-Seniors

This orientation-level course will provide an overview of all aspects of business marketing and management, including the concepts, functions, and skills required for meeting the challenges of operating a business in a global economy. Topics covered will include entrepreneurship, various forms of business ownership, the basic functional areas of business (finance, management, marketing, and operations), business ethics, workplace skills, and business plans. Students will be introduced to a wide range of careers in fields such as accounting, financial services, information technology, marketing, and management. Emphasis will be placed on using computers while learning business skills, communication skills (thinking, listening, composing, revising, editing, and speaking), math, and problem solving. Students will apply learned knowledge and skills to create a comprehensive business plan for a business of their choice.

MARKETING

1 semester - 1/2 credit

Sophomores-Seniors

This course explores the basic principles of marketing, the benefits of marketing, and how markets and customers impact business decisions. Students learn about the components of the marketing mix, market research, target marketing, sponsorship, event marketing, promotions, advertising, and execution of planning. This course emphasizes strong decision-making, critical thinking, and collaborative skills to complete group marketing projects throughout the semester. Students will be challenged to create new marketing ideas as they analyze current marketing trends. Real life projects allow students to demonstrate their understanding of learned content. This course will examine the impact of marketing in our everyday lives, as well as teach many critical business concepts to ready students for a career in the area of marketing.

MULTIMEDIA 1

1 semester - 1/2 credit

Sophomores-Seniors

Skill-level course designed to prepare students to utilize various technologies for future career or college endeavors. Students will work in a project-based environment to build a foundational understanding of various multimedia tools. Students will use hardware and software to capture, create, and edit audio and video clips. Students will use image-editing programs to manipulate images, computer graphics, and original artwork. In addition, students will learn the fundamentals of web page design using drag and drop web page design tools to create a working website. This course also includes presentation skills, camera operation, video editing, and audio mixing. Students will learn current multimedia technologies to develop skills that can be applied to real-life experiences. The course provides students with the foundation skills needed for a career in the technical aspects of multimedia or web design.

MULTIMEDIA 2

1 semester - 1/2 credit

Sophomores-Seniors

Prerequisite: Multimedia 1

This course is designed to build upon the foundation established in Multimedia 1. Students will work in a project-based environment to develop a deeper understanding of current multimedia and web design technologies. Instruction will include using hardware and software to capture, edit, create, and compress audio and video clips. Instruction also includes presentation skills, animation, camera operation, video editing, production processes, and audio mixing. Students will write, direct, announce, and assemble raw footage into a polished production. Students will learn about basic app development and careers in app development. In addition, students will further develop web design skills by

learning HTML and JAVA coding and analyzing the benefits and limitations of both drag and drop and coding based web design. This course prepares students for a career in the technical aspects of multimedia or web design.

CONSUMER ECONOMICS REQUIRED

1 semester - 1/2 credit

Seniors or counselor recommendation

Senior level course required for graduation. Students are instructed in the area of economics primarily focusing on the characteristics of the mixed free enterprise system during the first quarter of the semester. During the second quarter, students will play a simulated "Game of Life" making consumer decisions that include but are not limited to picking a job, buying a car and car insurance, buying or renting a home, choosing health insurance, and more. Students will make a monthly budget to imitate the importance of managing their consumer finances. Per the State of Illinois graduation requirement, the topics will include: Consumer in the Marketplace, Consumer in the Economy, Budgeting, Savings, Investing and Financial Services, Consumer Credit, Taxes, Insurance, Consumer Services, Housing, Food, Transportation, Clothing, Health Care, Recreation, and Home Furnishings/Equipment, as well as career exploration and insight into Macro/Micro Economics.

INCubatoredu ENTREPRENEURSHIP

1 year - 1 credit

Sophomores - Seniors

This course is designed to get students excited about becoming true entrepreneurs by giving them the opportunity to create and fully develop their own product or service. Real-world entrepreneurs and business experts will serve as coaches and mentors guiding student teams through the process of idea, market research, and business plan development. Over the course of the year, student teams will learn about marketing, accounting, as well as the legal aspects of starting a business. They will have access to a network of professionals to further develop their skills (teamwork, problem solving, presentation, communication) for college and career readiness. Pitch Week helps to further fire the entrepreneurial spirit by putting student teams in front of a panel of real entrepreneurs and investors so they can pitch their innovative idea.

COOPERATIVE EDUCATION (CO-OP)

1 year - 1 credit

Juniors or Seniors - must apply to be in this course.

(Must be taken during students' first year of On-the-Job Training)

Cooperative Education is a capstone course designed to assist students in the development of effective skills and attitudes through practical, advanced instruction in school and on the job through cooperative education. Students are released from school for their paid cooperative education work experience and participate in related classroom instruction. Classroom instruction focuses on providing students with job survival skills and career exploration skills related to the job and improving students' abilities to interact positively with others. The course content includes the following broad areas of emphasis: further career education opportunities, planning for the future, job-seeking skills, personal development, human relationships, legal protection and responsibilities, economics and the job, organizations, and job termination. A qualified career and technical education coordinator is responsible for supervision. Written training agreements and individual student training plans are developed and agreed upon by the employer, student and coordinator. The coordinator, student, and employer assume compliance with federal, state, and local laws and regulations. Students may be involved in a work-study program during their junior and/or senior years. Students are required to take a class (Co-op) for one credit and receive two credits for on-the-job training.

ON-THE-JOB TRAINING

1 year - 2 credits

Juniors or Seniors - must apply to be in this course.

(pairs with first year of Cooperative Education)

Interrelated Cooperative Education provides training to high school students through on-the-job experiences related to the students' career goals and abilities. Learning experiences in an employment situation are correlated with the Co-op classroom experience.

WEB DESIGN 1 & 2

Juniors or Seniors

1 semester - 1/2 credit

This course includes: hands-on training in page creation, site architecture, and file transfer techniques, as well as visual design principles, graphic production skills, and site automation strategies. Studies include work with HTML code as well as other template coding. Server-side includes: Adobe Photoshop, Adobe Dreamweaver, and Flash. Students leave the course with the hands-on experience needed to design and produce professional quality website

FAMILY & CONSUMER SCIENCES

Allergens including tree nuts, peanuts, wheat, soy, fish, shellfish, milk, and eggs are used in all culinary courses and may come into contact with other food products, equipment, and/or surfaces being used.

Kitchen Basics 9, 10, 11, 12

Counselor Placement

1 year - 1 credit

This sequence of courses includes classroom and laboratory experiences needed to develop basic knowledge and understanding of culinary principles and nutrition. The areas of emphasis include: basic nutrition knowledge, measurement skills, use of basic kitchen equipment, food safety and the prevention of food-borne illnesses, and basic cooking methods. Each course continues the instruction at the student's level from the previous course.

NUTRITION & CULINARY ARTS ESSENTIALS

1 semester - 1/2 credit

This course includes classroom and laboratory experiences needed to develop a knowledge and understanding of culinary principles and nutrition for people of all ages. The course provides a background for advanced coursework. The areas of emphasis include: basic nutrition knowledge; measurement skills; use of basic kitchen equipment; food safety, and the prevention of food-borne illnesses, and basic cooking methods.

NUTRITION & CULINARY ARTS I

1 semester - 1/2 credit

Prerequisite: Nutrition & Culinary Arts Essentials

This intermediate course includes basic classroom and laboratory experiences needed to develop knowledge and understanding of basic food principles and applied nutrition for people of all ages. The course content centers around the following areas: etiquette, nutrition, baking (cookies & quick breads), careers in nutrition and culinary arts and food preparation (grains, pasta, eggs, fruits, and vegetables).

NUTRITION & CULINARY ARTS II

1 semester - 1/2 credit

Prerequisite: Nutrition & Culinary Arts Essentials

This course provides basic skill development for continued course work in food service occupations, meeting health and safety requirements in planning, preparing and serving food; maximizing resources when planning/preparing/serving food; promoting hospitality in food practices; and dietary needs and trends. Safety and sanitation, as well as careers in food service industries are also included. All of these concepts can be interpreted through laboratory experiences. The course also focuses on the following food preparation areas: baking (yeast breads), dairy, meat, poultry, fish, soup, and salads.

MULTICULTURAL FOODS

1 semester - 1/2 credit

Juniors or Seniors

Prerequisite: Nutrition & Culinary Arts I or II

This course provides students the opportunity to improve their culinary skills while exploring world cultures through food. Students are introduced to a variety of regional, national and international cuisines with a focus on elements such as geography, climate, dietary habits associated with cultural beliefs, and the association of foods with specific holidays. Preparation of ethnic and regional recipes allows for application and the development of knowledge and skills in culinary arts.

PASTRY ARTS

1 semester - 1/2 credit

Juniors or Seniors

Prerequisite: Nutrition & Culinary Arts I or II

This course is designed to provide students with practical application in the areas of cake production and design, candy making, and pastries. Emphasis will be placed on baking techniques and product presentation. Information and experiences related to pastry arts are incorporated throughout the course. This course also has a portfolio element.

CHILD DEVELOPMENT & PARENTING

Sophomores-Seniors

1 semester - 1/2 credit

This course addresses the knowledge, skills, attitudes, and behaviors associated with supporting and promoting optimal growth and development of infants and children. The focus is on research-based nurturing and parenting practices and skills, including brain development research, that support positive development of children. This course is designed to help students think through the responsibilities, satisfactions, and stresses of parenthood. Special attention is given to the needs of teenage parents and to the importance of readiness for parenthood. Students are responsible for the care of a computerized baby for a time determined by the teacher and will explore opportunities in human services and education-related careers and develop a career portfolio.

FOREIGN LANGUAGE

SPANISH 150

NCAA Approved

1 year - 1 credit

Must be enrolled in English 100 or 100 Honors as a Freshman

Spanish 150 is an introductory course designed to establish correct habits of speech in the language through performance in reading, writing, speaking and listening activities performed both individually and in cooperative groups. These skills are developed progressively. Because the key to success in foreign language lies in exposure to the language, much of the class instruction is conducted in Spanish. Grammar study is interrelated with communication skills. Cultures of Spanish-speaking countries are studied throughout the course.

SPANISH 250

NCAA Approved

1 year - 1 credit

Prerequisite: Spanish 150

Spanish 250 is designed to further develop those speaking, reading, writing, and listening skills acquired in Spanish 150. There is an increasing emphasis on writing and reading as the course progresses. Because the key to success in foreign language lies in the active use of the language, teachers and students use predominantly Spanish in the classroom. Grammar study is continued through written context and interactive communication skills. Cultures of Spanish-speaking countries are studied throughout the course.

SPANISH 350

NCAA Approved

1 year - 1 credit

Prerequisite: Spanish 250

This course builds on the skills acquired in Spanish 250. Throughout the year previously learned materials and grammar will be reviewed and expanded through an increased emphasis on reading, writing, listening and speaking skills. New grammar and vocabulary topics will also be introduced. Spanish speaking countries and cultures will also be studied. Short stories will be included.

SPANISH 450

NCAA Approved

1 year - 1 credit

Prerequisite: Spanish 350

This course builds on the skills acquired in Spanish 350. Focus will be on review of application of previously learned grammar and advanced grammar topics. There will be an emphasis placed on speaking, writing, reading, and listening skills. Students will focus on literature, culture, and use of the language.

Latin American Heritage

NCAA Approved

1 year - 1 credit

Sophomores-Seniors

(Fine Arts Credit)

The primary purpose of the course is to stimulate thought and to encourage students to make valid generalizations and intelligent assessments of the forces and events that have shaped the history and culture of Latin America. Topics include geography; pre-Hispanic civilizations; Spanish exploration; Spanish American empire; Mexico and its changes over time; independence movements in Central and South America, historical development of Central and South America, origins and problems of Latin America, Central and South American relations with the United States, early history of the Caribbean area, recent events in the Caribbean, and cultural development of Latin America.

Spanish Literature and Culture

NCAA Approved

1 year - 1 credit

Sophomores-Seniors

(Fine Arts Credit)

This is a full year Spanish course for native speakers of Spanish and students who have completed Spanish 350. It should be taken by native speakers instead of Spanish 150. This course introduces students to well-known Spanish authors. Students will develop their proficiencies across the full range of language skills and reflect on the many voices and cultures included in a rich and diverse body of literature written in Spanish. An emphasis will be placed on developing critical reading and analytical writing skills in Spanish.

ENGLISH LANGUAGE LEARNERS

ESL WRITING WORKSHOP

1 year – 1 credit

Counselor recommendation

This course is designed to broaden and deepen students' linguistic foundation (vocabulary and grammar knowledge) as well as refine their language skills (reading, writing, listening, and speaking) within a communicative academic context. Instruction at this level is designed to familiarize students with organizing, paraphrasing, summarizing, and synthesizing academic English in both spoken and written forms.

ESL STRATEGIES

1 year – 1 credit

Counselor recommendation

This course is designed to allow students to efficiently and independently meet the curricular demands of the other core academic classes as well as high-stake assessments. Strategy instruction will be used to focus on test taking, note taking, and classroom preparedness. Strategies are also designed to help students sustain success in other classes by effectively organizing materials, as well as identifying resources to support their learning process.

Fundamentals of English 9/10

1 year – 1 credit

Counselor recommendation

This English class has been designed specifically for students who do not have regular English because of significant deficits in reading and writing skills. The class is slower-paced and uses a focused, hands-on approach. While being a reading intensive course, students in this class will be expected to read works ranging from the traditional essay to short stories, dramatic theater, and full-length novels. This course will also help students practice their communication skills through oral readings, presentations, group discussions, and essay writing.

Fundamentals of English 11/12

1 year – 1 credit

Counselor recommendation

This class is a reading and writing-intensive course. Students in this class will continue building an understanding of proper sentence structure/composition and practicing reading strategies for non-fiction texts. Students will also be writing informally for a variety of purposes using the claim, quote, comment writing format to show an understanding of literature, practicing expository communication skills in writing and other formats, and focusing on the development stages of essay writing. Students will read at least one contemporary novel as a class.

INDUSTRIAL DESIGN

INTRODUCTION TO TECHNICAL DESIGN

1 year - 1 credit

Introduction to Technical Design is a beginning course of general drafting fundamentals in which the students learn the use of drafting, equipment, and materials and techniques as a universal means of technical communication. Students will be given experience in mechanical and architectural drafting. Drafting techniques are studied, and drawings made with emphasis on the concepts of shape and size description through multi-view and pictorial drawings as used in mechanical drawings. Students will also learn to apply basic methods and techniques needed to make architectural drawings. Freehand technical sketching and lettering are practiced as a rapid method of expressing ideas. Students become acquainted with various occupations and opportunities requiring a working knowledge of drafting.

There may be some expense for drafting supplies and shop/lab materials.

TECHNICAL DRAFTING 250

1 year - 1 credit

Sophomores-Seniors

Prerequisite: Introduction to Technical Design

Technical Drafting 250 is an advanced course in technical drawing, consisting of machine-related drawing including developmental views, sectional views, auxiliary views, exploded views, assembly drawings, threadwork, tolerancing, dimensioning and other related areas. Computer assisted drafting (CAD) equipment and concepts are introduced. Coursework will also deal in architectural-related drafting including designing, making pictorial drawings, and scale models of buildings. Conventional design methods utilizing efficient use of space and materials are stressed. 3D and blueprint design techniques will be introduced.

There may be some expense for drafting supplies and shop/lab materials.

PRODUCTION TECHNOLOGY SHOP

1 year - 1 credit

Prerequisite: Introduction to Technical Design

This course utilizes the basic skills learned in Orientation to Technology to begin a study of Production Technology and woodworking. Students will use shop tools and equipment to gain experience and understanding in the production of various projects. Skills in both individual and team approaches to problem solving will be developed. Projects will consist of school improvement activities, community projects, and cooperative projects with other classes/clubs. Planned learning activities will allow students to become knowledgeable of fundamental principles and methods to develop technical skills related to masonry, carpentry, and finish work. Instruction includes safety principles and practices; recognition of standard lumber sizes; foundation layout methods; building concepts and procedures; local, state, and national codes; cost estimating; and blueprint reading. Appropriate safety procedures will be taught and practiced in all phases of shop activities. Leadership skills are developed through participation in industrial education student organizations.

There may be some expense for shop/lab materials.

INDEPENDENT CAD

1 year - 1 credit

Prerequisite: Drafting 250

This course provides a strong background for students interested in fields requiring technical drawing skills such as engineering, architecture draftsmen etc. The preparation of students for advanced work in post-secondary programs or for semi-skilled job entry is emphasized. Students work with instructor on developing individualized curriculum pertaining to the area of student interest. The student is given the opportunity to explore and apply previously learned skills in the areas of architecture, structures, design, machine drafting, electronic/electricity drafting, graphical representation, technical writing or similar fields. Using and producing Computer Assisted Drafting drawings using the latest AutoCAD 2D, AutoCAD 3D, Inventor, Revit, AutoCAD Architectural. ~ The class can be arranged for most class periods of the day. **This course may be repeated.**

MUSIC AND THEATRE

Intro to Musical Concepts I/II

1 semester - 1/2 credit

In this one-semester class, students of all ability levels will collaborate to create and experience music through vocal and instrumental performance. Students will share their love of music with their peers in a relaxed atmosphere that fosters openness, creativity and cooperation. Repertoire will vary by semester. *Intro to Musical Concepts I and II can be taken in ANY order.*

Intro to Theatre Arts I

1 semester - 1/2 credit

This is a one-semester, introductory-level class exploring aspects of acting and the dramatic arts. Students will begin by recognizing the history of the theatre. Students will also learn to explain stage terminology and examine the basics of technical theatre. Students will participate in a variety of dramatic performances, including pantomime, improvisation, monologues, duet acting and group scene work. This class may include a field trip to watch a live performance.

AMERICAN MUSICAL THEATRE

1 semester - 1/2 credit

American Musical Theater (AMT) is a music appreciation course that focuses on the development of Broadway Musicals and musical theatre in America. The course will begin with a look at the major influences of musical theatre, focusing on the way the genre has developed and the impact musical theatre has had on culture in this country. Students will gain a better understanding of Broadway shows, writers, and performers over the last 100 years through analysis, application, and both critical and creative thinking.

AMERICAN POPULAR MUSIC

1 semester - 1/2 credit

Sophomores-Seniors

American Popular Music (APM) is a course that focuses on the cultural origins of American Popular Music, beginning in the early 20th Century. This course will focus on the development and social interaction of the Swing Era of Jazz and the rise of Rock n' Roll as well as other forms of popular music. Students will gain a deeper knowledge of musical influence on American culture through analysis, application, and both critical and creative thinking.

MUSIC THEORY

1 semester - 1/2 credit

Sophomores-Seniors

Music Theory is designed to encompass an in-depth study of the fundamental elements of music: pitch, rhythm, melody, harmony, and form; and to explore the theoretical constructs of the 17th, 18th, 19th, and 20th centuries. Through improvisation, composition, analysis, critical listening, and performance, the elements of music will be examined for their distinctive roles in musical organization. The course will also provide an overview of the historical, cultural, and artistic setting of the works utilized for illustrative purposes.

CONCERT BAND

1 year - 1 credit

Concert Band is a performing ensemble whose goal is to perform the highest possible level of wind literature possible. By focusing on the fundamentals necessary for a high school band to progress in musical ability. Concert band will strive to consistently mature as an ensemble. The goals of this ensemble are to build proper technique, tone, intonation, rhythm, and sight-reading skills.

Students enrolled in the Concert Band will be provided with a number of performance opportunities that include participation in competitive marching band festivals, non-competitive marching band exhibitions and the IHSA Solo and Ensemble and Organizational Contests, as well as tours of out of state venues.

Participation in the Concert Band includes full participation in the GKHS Marching Band and the Pep Band.

***Color guard members can be enrolled in Concert Band for first semester only and earn 1/2 credit.**

SYMPHONIC BAND (Spring semester only)

1 semester - 1/2 credit

Prerequisite: enrolled in concert band first semester (unless approved by director) and audition

The Symphonic Band is a performing ensemble whose goal is to perform the highest possible level of wind literature possible. By focusing on the fundamentals necessary for a high school band to progress in musical ability, Symphonic Band will strive to consistently mature as an ensemble. The goals of this ensemble are to build proper technique, tone, intonation, rhythm, and sight-reading skills. Participation in the Symphonic Band includes full participation in the Genoa-Kingston High School Marching Band and the Pep Band.

Students enrolled in the Symphonic Band will be provided with a number of performance opportunities that include participation in competitive concert band festivals, Illinois Superstate recording sessions, and the IHSA Solo and Ensemble and Organizational Contests, as well as tours of out of state venues.

JAZZ ENSEMBLE

1 year - 1 credit

Counselor recommendation with instructor audition

The Jazz Ensemble is a performing ensemble that strives to perform the highest level of jazz literature possible. Students will perform a variety of styles ranging from Swing and Be-Bop to Rock and Jazz. The Jazz Ensemble performs at numerous school and community events and festivals. Participation in the Jazz Ensemble provides the opportunity to discover great jazz musicians on every instrument, as well as perform with professional jazz musicians. Because of the strong performance demands of the Jazz Ensemble, participation in the Concert Band as well is strongly encouraged.

PERCUSSION ENSEMBLE

1 year - 1 credit

Counselor recommendation

The Percussion Ensemble participates fully in all performances and obligations of the Concert Band. Additionally, students will have the opportunity to learn winter drum line and percussion ensemble music to perform at concerts and IHSA Solo and Ensemble contest. Students are admitted into Percussion Ensemble by instructor approval.

CHORUS

1 year - 1 credit

Chorus is open to all students. Students are expected to attend several performances scheduled throughout the school year. Students will develop vocal technique in a variety of musical styles, ranging from the Middle Ages to contemporary literature. Students will also develop music reading and tonal memory skills.

CHAMBER CHORUS

1 year - 1 credit

Sophomores-Seniors

Counselor recommendation with instructor audition

This performance-based group is open to grades 10 through 12 through auditions held at the director's discretion. Advanced choral techniques will be studied. An additional focus of the class is on mastery and performance of many different styles of literature. Students will be encouraged to pursue individual and small group performance opportunities, including festival auditions and the IHSA Solo and Ensemble Contest.

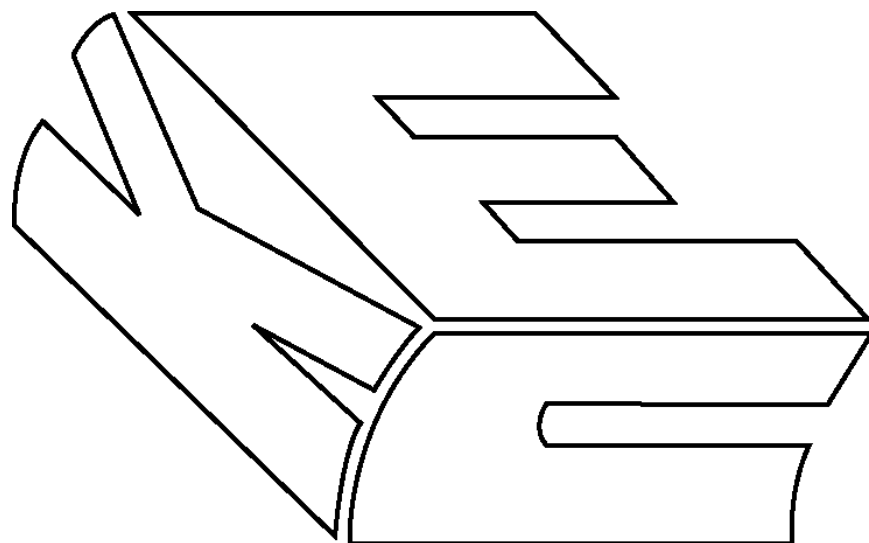
INDEPENDENT STAGE TECH

1 semester - 1/2 credit

Teacher recommendation only

Independent Stage Tech is a one-semester course intended to help students develop experience and skill in one or more aspects of theatrical production. This could include lighting, costuming, set construction, makeup and stage management. Students will concentrate on improving technique, as well as expanding knowledge of different types of theatrical techniques and traditions. **This course may be repeated and will be offered both semesters.**

KISHWAUKEE EDUCATION CONSORTIUM



**2022-2023
Course Descriptions**

KEC

Kishwaukee Education Consortium is a cooperative, Education for Employment Delivery System made up of area high schools, Kishwaukee College and other agencies. KEC provides a variety of career and technical programs where students gain knowledge and skills for immediate employment after high school or for advanced educational programs. Workplace, basic academic, and transition skills are taught as an integral part of each course.

Prerequisites

Enrollment in KEC career and technical classes is open to high school Juniors and Seniors from KEC school districts. Some classes offered have high school or KEC course prerequisites. See course descriptions or your guidance counselor for information.

High School Credit

Students typically earn two high school credits for successfully completing KEC course requirements for the year.

KCC Dual Credit/Dual Enrollment

This allows students to be enrolled at Kishwaukee Community College and their home high school at the same time. Therefore, the **student receives college credit as well as high school credit**. Enrollment is taken care of through KEC. The following KEC courses are eligible for dual credit/dual enrollment in 2022-2023: Automotive Technology, Aviation Flight Academy, CNA, Computer Information Systems, Criminal Justice, Culinary, Diesel Power Technology, Early Childhood Education 1, Esthetics, EMT-Basic, Medical Terminology, Sports Medicine, Automated Engineering Technology, and Welding Technology. The Senior Business Leadership Academy students receive only college credit.

WCC Dual Credit/Dual Enrollment

This allows students to be enrolled at Waubensee Community College and their home high school at the same time. Therefore, the **student receives college credit as well as high school credit**. Enrollment is taken care of through KEC. The following KEC course is eligible for dual credit/dual enrollment in 2022-2023: Fire Science.

Transportation

The home school provides transportation to most KEC classes. Only after receiving permission from the KEC instructor, the home high school principal, and parent/guardian is a student allowed to drive. Seniors in level 2 courses may have to provide their own transportation due to the college schedule. However, permission still must be obtained.

Costs

Certain classes require students to purchase tools or equipment and/or pay additional fees to access supplemental course resources. Refer to the course descriptions for additional costs associated with specific courses.

KEC Session Information

Session 1 - 8:10-10:10

Session 2 - 10:40-12:10

Session 3 - 12:45-2:15

Various night and/or Saturday sessions - course specific

Additional Information

If you require additional assistance selecting a KEC course, see your counselor or call the KEC office at 815.825.2000 or visit the KEC website at www.kecprograms.com .

Effective November 1, 2021 Kishwaukee College campus access is restricted to those who are compliant with the COVID-19 vaccination or weekly testing mandate. Please note class locations.

KEC Course Title:	AUTOMATED ENGINEERING TECHNOLOGY (AET) (13203A001 / 13203A002)		
Class Location:	Kishwaukee College		
High School Credits Available:	2	College Credits Available:	10
Dual Credit Course Info: <ul style="list-style-type: none"> • Dual Enrollment through Kishwaukee College • MT104 and MT102 - odd years • MT108 and MT215 - even years 	MT104 - Intro to Manufacturing and Safety MT102 - Metrology MT108 - Intro to Manufacturing Maintenance MT215 - Manufacturing Processes 1		
Certification(s):			
Days/Sessions/Semesters:	<ul style="list-style-type: none"> • Classes held daily, Monday-Friday. • Potential KEC sessions available - 1 2 3 • Semester(s) - 2 only 		
Prerequisite / Minimum Competency Required:	NA		
Additional Requirements / Costs: <i>* All fees and costs are subject to change annually as industry costs rise, however are believed to be accurate as of the date of document creation.</i>	Textbook / Curriculum:	NA	
	Equipment / Lab Fees:	Safety Glasses/Goggles	
	Uniform:	Work Boots and Clothing	
	Miscellaneous:	NA	
<p>Automated Engineering Technology is a two-year high school Career and Technical Education program to prepare students to enter a broad range of career areas which may require an associate or other advanced degree. Students will take coursework at Kishwaukee College and visit engineering and manufacturing sites. Students are eligible to participate in paid internships sponsored by area engineering and manufacturing companies during the summer between their junior and senior year. Students will be introduced to basic machine tool operations. Using the IST Lab (Integrated Systems Technology) students will be introduced to robotics, hydraulics, pneumatics, mechanical drives, CAD, CNC programming, and plastics. These topics are taught through the use of high tech equipment modules that incorporate a "hands-on" approach to learning. The program is intended to train students for industrial employment as entry-level toolmakers, tool designers, mechanical drafters, or production/engineering aides. Successful completion of the two-year program is designed to give the students one semester of credit toward the Kishwaukee College A.A.S. degree in Automated Engineering Technology.</p>			

KEC Course Title:	AUTOMOTIVE TECHNOLOGY - ORIENTATION (20104A002)		
Class Location:	Kishwaukee College - Caukin Building		
High School Credits Available:	2	College Credits Available:	3
Dual Credit Course Info: • Dual Enrollment through Kishwaukee College	AMT100 - Automotive Orientation		
Certification(s):			
Days/Sessions/Semesters:	<ul style="list-style-type: none"> • Classes held daily, Monday-Friday. • Potential KEC sessions available - 1 2 3 • Semester(s) - 1 and 2 		
Prerequisite / Minimum Competency Required:	NA		
Additional Requirements / Costs: <i>* All fees and costs are subject to change annually as industry costs rise, however are believed to be accurate as of the date of document creation.</i>	Textbook / Curriculum:	NA	
	Equipment / Lab Fees:	Safety Glasses/Goggles 3-Ring Binder	
	Uniform:	Auto Shop Clothing and Shoes/Boots	
	Miscellaneous:	NA	
<p>This course is open to Juniors and Seniors. This is a college level orientation course to the automotive field. This course will cover careers available in the industry and will provide advice on how to obtain them. This course will provide information and skills needed to enter automotive related occupations or certificate/degree programs. Students will also learn about a wide variety of vehicle systems to help them decide if they want to choose the automotive field. Students will be required to use a textbook for reading and written work. Students should be able to follow multiple-step directions and work both independently and in team situations. Students must provide their own 3-ring binder, safety glasses/goggles, and writing materials. Students are required to wear proper shop attire and footwear. All Auto courses are taught by an ASE Master Certified Instructor.</p>			

KEC Course Title:	AUTOMOTIVE TECHNOLOGY - STEERING, SUSPENSION, AND BRAKES (20104A001)	
Class Location:	Kishwaukee College - Caukin Building	
High School Credits Available:	2	College Credits Available: 6
Dual Credit Course Info: • Dual Enrollment through Kishwaukee College	AMT125 - Automotive Braking Systems AMT131 - Automotive Steering/Suspension	
Certification(s):		
Days/Sessions/Semesters:	<ul style="list-style-type: none"> • Classes held daily, Monday-Friday. • Potential KEC sessions - Early Bird (7:00-8:30 AM) • Semester(s) - 1 and 2 	
Prerequisite / Minimum Competency Required:	Successful completion of Automotive Technology - Orientation	
Additional Requirements / Costs:	Textbook / Curriculum:	NA
<small>* All fees and costs are subject to change annually as industry costs rise, however are believed to be accurate as of the date of document creation.</small>	Equipment / Lab Fee:	Safety Glasses/Goggles & 3-ring binder
	Uniform:	Auto Shop Clothing and Shoes/Boots
	Miscellaneous:	Students must provide their own transportation
<p>NOT AVAILABLE</p> <p>SCHOOL YEAR 2022-2023</p> <p>AVAILABLE</p> <p>This course is open to Seniors who have completed Automotive Orientation. It offers classroom and laboratory instruction to begin preparation for entry into the field of automotive technology. Students are introduced to the fundamentals of safety practices, proper use of related test equipment, and meters. In addition to hands-on work - including brake theory and operation, and wheel alignment and theory - students will be required to use a textbook for reading and written work. Students should be able to follow multi-step directions and work both independently and in team situations. Successful completion of this course is the basis for the Kishwaukee College Basic and Advance Automotive Technology Certificates and Automotive Technology Associate Degree (A.A.S.) Program. Students must provide their own 3-ring binder, safety glasses/goggles, and writing materials and are required to wear proper shop attire and footwear. All Auto courses are taught by an ASE Master Certified Instructor. Students will be required to provide their own transportation as this class meets Monday-Friday from 7:00 to 8:30 AM.</p>		

KEC Course Title:	AVIATION FLIGHT ACADEMY 1 & 2 (20053A001/20053A002)		
Class Location:	DeKalb Taylor Municipal Airport		
High School Credits Available:	1 ea.	College Credits Available:	4 ea.
Dual Credit Course Info: <ul style="list-style-type: none"> Dual Enrollment through Kishwaukee College 	AVF101 - Primary Flight Theory AVF121 - Human Factors for Aviators		
Certification(s):			
Days/Sessions/Semesters:	<ul style="list-style-type: none"> Classes held Thursday night; Saturday morning simulators Potential KEC sessions available - Evening only (6:00-8:30 PM) Semester(s) - 1 and 2 		
Prerequisite / Minimum Competency Required:	Acceptance into Academy, consent of KEC, parent/guardian orientation session at DeKalb Airport, acceptable GPA (determined by school), recommendation of high school, oral interview with KEC Coordinator, good attendance. All students are required by law to provide proof of U.S. Citizenship in the form of their birth certificate or U.S. Passport.		
Additional Requirements / Costs: <i>* All fees and costs are subject to change annually as industry costs rise, however are believed to be accurate as of the date of document creation.</i>	Textbook / Curriculum:	NA	
	Equipment / Lab Fees:	NA	
	Uniform:	NA	
	Miscellaneous:	Students must provide their own transportation	
<p>These courses offer classroom and simulator instruction in aviation. The courses will give an in-depth insight into the world of aviation and will introduce students to aerodynamics, FAA regulations, primary navigation, GPS navigation, the use of flight computers, weather, radio navigation, flight instrumentation, performance and limitations, and the ATC environment. In addition, the program utilizes state-of-the-art flight simulators.</p>			

KEC Course Title:	BARBERING 1 & 2 (19102A001/19102A002)	
Class Location:	Legacy Academy PLLC	
High School Credits Available:	3 ea.	College Credits Available: NA
Dual Credit Course Info: • NA	NA	
Certification(s):		
Days/Sessions/Semesters:	<ul style="list-style-type: none"> • Classes held Wednesday-Friday • Potential KEC sessions available - Evening only (2:00-6:00 PM) • Semester(s) - 1 and 2 	
Prerequisite / Minimum Competency Required:	Students and a parent/guardian must attend mandatory orientation	
Additional Requirements / Costs: <i>* All fees and costs are subject to change annually as industry costs rise, however are believed to be accurate as of the date of document creation.</i>	Textbook / Curriculum:	NA
	Equipment / Lab Fees:	\$100 enrollment fee \$1200 kit fee \$150 monthly lab fee
	Uniform:	NA
	Miscellaneous:	Students must provide their own transportation
<p>This is a one year program for Seniors or a two year program for Juniors in professional barbering. The barbering program is offered at Legacy Academy PLLC in Sycamore, IL, which is an approved and licensed Barber School by the Illinois Department of Financial and Professional Regulation. This course offers students hours in theory and a majority of the program hours are practical. Practical hours consist of hands-on cutting on the practical floor. The course includes hair cutting and styling, safety and sanitation, anatomy, infection control, disorders of the skin, the art of shaving with straight razors, client consultation, barbershop management, bookkeeping, and product retail. The school's practical floor will offer services to the community performed by students in training under the direct supervision of a stated licensed Barber Instructor. The course also includes advanced theoretical and practical skill development with the completion of approximately 1000 hours of the 1500 hours required by the Illinois Barbering Board in order to take the Illinois Professional Barbering Licensure Examination to become an Illinois Licensed Barber. Available certificates: Illinois 1500 Hour Barbering Certification (additional hours required after high school)</p>		

KEC Course Title:	CERTIFIED NURSE ASSISTANT (CNA) (14051A001)	
Class Location:	KEC	
High School Credits Available:	2	College Credits Available: 7
Dual Credit Course Info: <ul style="list-style-type: none"> Dual Enrollment through Kishwaukee College 	NUR100 - Basic Nursing Assistant Training	
Certification(s):	American Heart Association CPR	
Days/Sessions/Semesters:	<ul style="list-style-type: none"> Classes held daily, Monday-Friday. Potential KEC sessions available - 1 2 3 Tuesday/Thursday evenings (3 hours - time TBD) Semester(s) - 1 and 2 	
Prerequisite / Minimum Competency Required:	<p>Score of 233 or better on reading Accuplacer test; or</p> <p>ACT score reports with scores of 19 composite or 19 English or an SAT score report of 480 in the SAT evidence-based reading and writing scores; or</p> <p>Unofficial transcript of GPA after 5 high school semesters are completed with a 3.5 unweighted GPA.</p>	
Additional Requirements / Costs: <i>* All fees and costs are subject to change annually as industry costs rise, however are believed to be accurate as of the date of document creation.</i>	Textbook / Curriculum:	NA
	Equipment / Lab Fees:	Safety Glasses/Goggles Blood Pressure Cuff Stethoscope and Gait Belt (\$45) Wrist Watch with Second Hand
	Uniform:	Scrubs (\$37) Vinyl or Leather Shoes (\$40) Class Shirt (\$8)
	Miscellaneous:	Drug Test/Fingerprinting (\$90) TB Test (\$40) Flu Shot (\$32) COVID Vaccination CNA Test (\$65) Valid Social Security Number
<p>This course provides a strong base for students who wish to gain experience and background for advanced study in the health and medical fields. Instruction includes orientation to health-related careers, basic patient care skills, medical</p>		

terminology, nutrition, anatomy, physiology, and first aid. In addition, this course prepares students for the Illinois Certified Nursing Assistant exam. This certification is required for employment in a hospital, long-term care facility, or home health care. The State of Illinois has set mandatory attendance requirements for classroom (theory) and clinical hours, therefore ***excellent attendance is crucial***. A minimum score of 80% in classroom work must be maintained throughout the year for a student to participate in clinicals and take the state CNA exam in May. Clinical experiences at community health care facilities are an integral part of the program. A two-step TB test, a Flu shot, and full COVID vaccination are all required by the clinical sites. A criminal background check will be done on all students prior to the start of clinical rotations and students are not allowed to have any convictions. A mandatory urine drug screen will be conducted as well; the results of this screen must be negative for the student to remain in this course. Students are responsible for the costs of the background check, drug test, TB skin test, flu shot, and COVID vaccination. Students are also required to purchase a scrub top and pants, stethoscope, blood pressure cuff, wristwatch with a second hand, and a pair of vinyl or leather shoes. **A valid Social Security number is required.** Students must demonstrate competency in a number of skills and be able to lift a minimum of 25 pounds before attending clinicals. **Lectures are presented in an accelerated format. Excellent study skills, time management, and attendance are crucial.**

KEC Course Title:	COMPUTER INFORMATION SYSTEMS (10252A001/10102A001)	
Class Location:	KEC	
High School Credits Available:	2	College Credits Available: 7
Dual Credit Course Info: <ul style="list-style-type: none"> Dual Enrollment through Kishwaukee College 	ELE142 - PC Repair & Configuration CIS140 - Networking Fundamentals	
Certification(s):		
Days/Sessions/Semesters:	<ul style="list-style-type: none"> Classes held daily, Monday-Friday. Potential KEC sessions available - 3 Semester(s) - 1 and 2 	
Prerequisite / Minimum Competency Required:	NA	
Additional Requirements / Costs: <i>* All fees and costs are subject to change annually as industry costs rise, however are believed to be accurate as of the date of document creation.</i>	Textbook / Curriculum:	\$50 class software curriculum fee
	Equipment / Lab Fees:	NA
	Uniform:	NA
	Miscellaneous:	NA
<p>Fall Semester 2022 - Computer Repair and Configuration - Students will gain a complete step-by-step approach for learning the fundamentals of supporting and troubleshooting computer hardware and software. This course fully maps to CompTIA's A+ Exam objectives. Specific topic coverage includes introducing hardware and operating systems, working with people in a technical world, form factors, PSU's, processors, motherboards, RAM, HDDs, installing and supporting I/O devices, and general PC maintenance. Students will also be introduced to Local Area Networks (LANS). Investigation of basic networking concepts, hardware and software components, protocols, standards, various network topologies and transmission media as well as the fundamentals of network planning and design will be covered. Additional topics coerced include installation and maintenance of Windows OSs and UNIX/Linux, troubleshooting network problems, and network administration functions and duties.</p> <p>Spring Semester 2023 - Computer Networking Fundamentals - This course is an introduction to Local Area Networks (LANS). Topics covered include basic networking concepts, hardware and software components, protocols, standards, network topologies, transmission media, virtualization, wireless technologies, and Security and Network Administration. Students will gain the technical skills</p>		

KEC Course Title:	CONSTRUCTION TRADES		(17001A001)
Class Location:	BCM Industrial Park		
High School Credits Available:	2	College Credits Available:	TBD
Dual Credit Course Info: • TBD	TBD		
Certification(s):			
Days/Sessions/Semesters:	<ul style="list-style-type: none"> • Classes held daily, Monday-Friday. • Potential KEC sessions available - 1 2 3 • Semester(s) - 1 and 2 		
Prerequisite / Minimum Competency Required:	NA		
Additional Requirements / Costs: <i>* All fees and costs are subject to change annually as industry costs rise, however are believed to be accurate as of the date of document creation.</i>	Textbook / Curriculum:	NA	
	Equipment / Lab Fees:	NA	
	Uniform:	NA	
	Miscellaneous:	TBD	
<p>This course is open to Juniors and Seniors and provides basic training in a controlled lab environment in the following trades: Bricklayer, Carpenter, Cement Mason, Drywall Installer, Electrician, Plumber, and Tile Setter. In addition, Construction Measurement concepts and tool and job site safety are included. After satisfying the required labs, students will then be able to perform under direction of the instructor at a residential or commercial site. Students will have introductory instruction on blueprint reading, building codes, costs analysis, and rough and finish carpentry skills. At times, students will be working with local contractors at the job site. Students should not be opposed to working outside in various weather conditions. Students should have an understanding of basic math and geometry and be able to read a ruler. Students must also be able to lift heavy objects, work from ladders, and not have a fear of heights.</p>			

KEC Course Title:	COSMETOLOGY 1 & 2		(19101A001/19101A002)
Class Location:	Debutantes or Hair Professionals		
High School Credits Available:	3 ea.	College Credits Available:	NA
Dual Credit Course Info: • NA	NA		
Certification(s):			
Days/Sessions/Semesters:	<ul style="list-style-type: none"> • Various day options available • Potential KEC sessions available - various session times available • Semester(s) - 1 and 2 		
Prerequisite / Minimum Competency Required:	Students and a parent/guardian must attend mandatory orientation		
Additional Requirements / Costs: <i>* All fees and costs are subject to change annually as industry costs rise, however are believed to be accurate as of the date of document creation.</i>	Textbook / Curriculum:	NA	
	Equipment / Lab Fees:	\$100 enrollment fee \$1200-\$1500 kit fee \$150 monthly lab fee	
	Uniform:	NA	
	Miscellaneous:	<i>Students must provide their own transportation</i>	
<p>This program, conducted through a contract with state approved schools of cosmetology, is designed to begin to prepare students to qualify for the Illinois Licensing Examination in Cosmetology. The program consists of 520 hours per year for a total of 1040 hours of the 1500 hours of instruction required for state licensing. Classroom and practical experiences include a variety of beauty treatments including the care of hair, complexion, and hands. Instruction includes: hair cutting, hair styling, chemical treatments, hair coloring, and manicuring. Bacteriology, anatomy, hygiene, sanitation, salon management, and customer relations are also emphasized. Students should be able to read text materials written at a 10th grade level, and be able to follow multiple step directions working alone and in a team environment. Students should also be able to follow safety procedures and work appropriately with the public. Students should expect to attend class and do clinical work that may extend beyond the regular high school day, and therefore must provide their own transportation. Students are also responsible for the remaining hours of instruction typically completed after high school graduation.</p>			

KEC Course Title:	CRIMINAL JUSTICE (15054A001/15054A002)	
Class Location:	KEC	
High School Credits Available:	2	College Credits Available: 6
Dual Credit Course Info: <ul style="list-style-type: none"> • Dual Enrollment through Kishwaukee College • CRJ101 and CRJ170 - odd years • CRJ201 and CRJ211 - even years 	CRJ101 - Introduction to Criminal Justice CRJ170 - Crisis/Conflict Mediation CRJ201 - Criminal Investigations CRJ211 - Introduction to Corrections	
Certification(s):	American Heart Association CPR	
Days/Sessions/Semesters:	<ul style="list-style-type: none"> • Classes held daily, Monday-Friday. • Potential KEC sessions available - 1 2 3 Tuesday evenings - 5:00-8:00 PM • Semester(s) - 1 and 2 	
Prerequisite / Minimum Competency Required:	NA	
Additional Requirements / Costs: <i>* All fees and costs are subject to change annually as industry costs rise, however are believed to be accurate as of the date of document creation.</i>	Textbook / Curriculum:	NA
	Equipment / Lab Fees:	NA
	Uniform:	Black or Midnight Navy pants (no jeans) Patrol shirt - order at Galls.com. (SC107 LawPro 100% Polyester Short Sleeve Shirt - Midnight Navy
	Miscellaneous:	NA
<p>This is a 2 year dual-enrollment curriculum consisting of four subjects, with each subject having 3 college credit hours. Each year can be taken independently, but it would be best to complete both years. The course introduces the student to four major areas of criminal justice during the 2 year program. The courses studied are Criminal Investigations, Introduction to Corrections, Introduction to Criminal Justice, and Crisis/Conflict Mediation. Students will learn to process a crime scene and preserve evidence as well as note taking, report writing and problem solving skills. The relationships of various agencies in the criminal justice system and the responsibilities of each agency will be examined. Students will be expected to actively participate in role-playing and hands-on scenarios, follow multiple-step directions and work both independently and in team situations. There will be weekly physical training sessions that will be conducted indoors and outdoors as weather dictates. The successful student will be structured and disciplined with excellent comprehension skills. Excellent attendance and participation in physical fitness training is mandatory. Coursework will provide an introduction to the Kishwaukee College program. Successful completion of this course is the basis for the Kishwaukee College Criminal Justice Associate Degree (A.A.S.) Program. Being a dual-enrolled student in the college program, the student is considered a college student when attending the Criminal Justice CTE program. They will be governed under the requirements of the college as well as the criminal justice instructor. The student may be required to wear a police cadet type uniform on certain days of the week when enrolled in the Criminal Justice Program.</p>		

KEC Course Title:	CULINARY AND FOOD SERVICE MANAGEMENT 1 (16052A001)		
Class Location:	KEC		
High School Credits Available:	2	College Credits Available:	5
Dual Credit Course Info: <ul style="list-style-type: none"> Dual Enrollment through Kishwaukee College 	HOS100 - Kitchen Essentials HOS108 - Cooking Fundamentals		
Certification(s):			
Days/Sessions/Semesters:	<ul style="list-style-type: none"> Classes held daily, Monday-Friday. Potential KEC sessions available - 2 3 Semester(s) - 1 and 2 		
Prerequisite / Minimum Competency Required:	NA		
Additional Requirements / Costs: <i>* All fees and costs are subject to change annually as industry costs rise, however are believed to be accurate as of the date of document creation.</i>	Textbook / Curriculum:	\$25	
	Equipment / Lab Fees:	NA	
	Uniform:	\$65	
	Miscellaneous:	Foodhandler Test (\$10)	
<p>This course is open to Juniors and Seniors. The Culinary 1 class will provide students interested in the food service industry work in advanced food preparation and food preparation management. Emphasis will be placed on careers in the culinary, food service, and hospitality industries. Food Sanitation is incorporated into the classroom instruction, including industry required ServSafe Food Handler Certification. Students will learn to use commercial food service equipment and practice technical food service preparation skills. Students will be enrolled in the Kishwaukee College Hospitality and Culinary Arts dual credit program. A broad range of food service areas will cover planning, purchasing, food preparation safety and visual presentation followed by evaluation of the finished product. Students will be responsible for the cost of purchasing their own uniforms, textbook rental fees and certification exam fees. Any of the off-site catering events will require students to provide their own transportation. Course work requires internet access for online information, textbooks, workbooks, and exams.</p>			

KEC Course Title:	CULINARY AND FOOD SERVICE MANAGEMENT 2 (16055A001)	
Class Location:	KEC	
High School Credits Available:	2	College Credits Available: 7
Dual Credit Course Info: • Dual Enrollment through Kishwaukee College	HOS103 - Introduction to Hospitality Management HOS109 - Baking Essentials	
Certification(s):		
Days/Sessions/Semesters:	<ul style="list-style-type: none"> • Classes held daily, Monday-Friday. • Potential KEC sessions available - 3 • Semester(s) - 1 and 2 	
Prerequisite / Minimum Competency Required:	Successful completion of Culinary and Food Service Management 1	
Additional Requirements / Costs: <i>* All fees and costs are subject to change annually as industry costs rise, however are believed to be accurate as of the date of document creation.</i>	Textbook / Curriculum:	\$35
	Equipment / Lab Fees:	NA
	Uniform:	\$30
	Miscellaneous:	ServSafe Test (\$35)
<p>This course is open to Seniors only. The Culinary 2 class will provide students interested in the food service industry work in advanced food preparation and food preparation management. Emphasis will be placed on careers in the commercial baking, culinary, food service, and hospitality industries. Food Sanitation is incorporated into the classroom instruction, including the industry required ServSafe Food Handler Certification. Students will learn to use the commercial food service equipment and practice technical food service preparation skills while enrolled in the Kishwaukee College Hospitality and Culinary Arts dual credit program. Any of the off-site catering events will require students to provide their own transportation. Course work requires internet access for online information, textbooks, workbooks and exams.</p>		

KEC Course Title:	DIESEL POWER / HEAVY EQUIPMENT TECHNOLOGY 1 (18449A001)	
Class Location:	Kishwaukee College - Caukin Building	
High School Credits Available:	2	College Credits Available: 5
Dual Credit Course Info: <ul style="list-style-type: none"> Dual Enrollment through Kishwaukee College 	DPT175 - Intro to Tool Safety and Usage DP199 - Small Engine Maintenance and Repair	
Certification(s):		
Days/Sessions/Semesters:	<ul style="list-style-type: none"> Classes held daily, Monday-Friday. Potential KEC sessions available - 3 Semester(s) - 1 and 2 	
Prerequisite / Minimum Competency Required:	NA	
Additional Requirements / Costs: <i>* All fees and costs are subject to change annually as industry costs rise, however are believed to be accurate as of the date of document creation.</i>	Textbook / Curriculum:	NA
	Equipment / Lab Fees:	Safety Glasses/Goggles
	Uniform:	Auto Shop Clothing and Shoes/Boots
	Miscellaneous:	NA
<p>This course offers an introduction to the theory, operation, maintenance, and repair of all common two- and four-cycle small engines (less than 35hp). Students learn engine overhaul procedures, hydrostatic transmission, transaxle, and differential repair. Also covered are tools and shop equipment commonly used by diesel technicians in the repair industry. Over 35 tools and pieces of equipment will be covered including: hand tools, air tools, precision measuring tools, lifting equipment, and engine rebuilding tools. Emphasis will be placed on safe usage to minimize personal injury and physical damage. This course offers classroom and laboratory instruction. In the lab agricultural equipment and machinery will be repaired to demonstrate tool usage and common repair techniques. For safety reasons, students are not allowed to wear shorts, sweatpants or sandals. Students are required to wear closed toe shoes or boots and blue jeans. Successful completion of this course is the basis for the Kishwaukee College Diesel Power Technology Certificate and Associate Degree (A.A.S.) Program.</p>		

KEC Course Title:	DIESEL POWER / HEAVY EQUIPMENT TECHNOLOGY 2 (18402A001)	
Class Location:	Kishwaukee College - Caukin Building	
High School Credits Available:	2	College Credits Available: 7
Dual Credit Course Info: <ul style="list-style-type: none"> Dual Enrollment through Kishwaukee College 	DPT172 - Basic Engine Overhaul DPT177 - Intro to Diesels	
Certification(s):		
Days/Sessions/Semesters:	<ul style="list-style-type: none"> Classes held daily, Monday-Friday. Potential KEC sessions available - 3 Semester(s) - 1 and 2 	
Prerequisite / Minimum Competency Required:	Successful completion of Diesel Power / Heavy Equipment Technology 1	
Additional Requirements / Costs: <i>* All fees and costs are subject to change annually as industry costs rise, however are believed to be accurate as of the date of document creation.</i>	Textbook / Curriculum:	NA
	Equipment / Lab Fees:	Safety Glasses/Goggles
	Uniform:	Auto Shop Clothing and Shoes/Boots
	Miscellaneous:	NA
<p>This course offers more laboratory experience working on and maintaining agricultural equipment and an in depth study of diesel engines, using the skills learned in Diesel 1 class. This includes principles of operation and repair of four-cycle diesel engines. Students experience the safe use of equipment overhauls. Student disassembles and reassembles lab engine. Additionally, a detailed study of diesel operating principles and how diesel engines differ from other types of internal combustion engines; this includes troubleshooting, maintenance, and testing of fuel pumps, fuel filters, and nozzles. Emphasis will be placed on the importance of fuel filtration, selection, and care in handling. For safety reasons, students are not allowed to wear shorts, sweatpants or sandals. Students are required to wear closed toe shoes or boots and blue jeans. Successful completion of this course is the basis for the Kishwaukee College Diesel Power and Technology Certificate and Associate Degree (A.A.S.) program.</p>		

KEC Course Title:	EARLY CHILDHOOD EDUCATION 1 & 2 (ADVANCED) (19153A001/19055A001)		
Class Location:	KEC		
High School Credits Available:	2 ea.	College Credits Available:	3 ECE1
Dual Credit Course Info: <ul style="list-style-type: none"> Dual Enrollment through Kishwaukee College for ECE1 	ECE112 - Guiding Young Children		
Certification(s):			
Days/Sessions/Semesters:	<ul style="list-style-type: none"> Classes held daily, Monday-Friday. Potential KEC sessions available - 12 Semester(s) - 1 and 2 		
Prerequisite / Minimum Competency Required:	ECE2 - Successful completion of Early Childhood Education 1		
Additional Requirements / Costs: <i>* All fees and costs are subject to change annually as industry costs rise, however are believed to be accurate as of the date of document creation.</i>	Textbook / Curriculum:	NA	
	Equipment / Lab Fees:	NA	
	Uniform:	NA	
	Miscellaneous:	Class binder with dividers (\$15)	
<p>The course is designed to develop the skills required to plan and implement an early childhood program. Students will apply their learning experiences about children through participation in a play-based preschool and possibly an internship at an elementary school or an early childhood program for second year students. Career opportunities related to childcare at the associate and baccalaureate degree level are explored. Students should be reading at 8th grade level or above. Students must also be able to work in a group setting as well as individually and must be willing to take on a leadership role with same-age classmates along with preschool age children. Students in this class will be receiving instruction related to the basics of early childhood education, and upon completion, will earn the Early Childhood Education Level 1 Credential. This is required in order to work in a childcare setting or move on academically in this profession. Successful completion of this course is the basis for moving into an Associate or Bachelor degree college program. ECE112-Guiding Young Children is the course for which students may earn college credit for Early Childhood Education 1.</p>			

KEC Course Title:	EMERGENCY MEDICAL TECHNICIAN - BASIC (EMT-B) (14055A001)	
Class Location:	Sycamore Fire Department	
High School Credits Available:	2	College Credits Available: 7
Dual Credit Course Info: • Dual Enrollment through Kishwaukee College	EMS107 - Basic Emergency Medical Technician	
Certification(s):	American Heart Association CPR	
Days/Sessions/Semesters:	<ul style="list-style-type: none"> • Classes held daily, Monday-Friday. • Potential KEC sessions available - 3 • Semester(s) - 1 and 2 	
Prerequisite / Minimum Competency Required:	Grade 12. Cumulative GPA of 3.25 or higher at the end of Quarter 2 of junior year. This can be demonstrated by ACT/SAT scores, cumulative high school GPA of 3.5 after 5 high school semesters, WriterPlacer score of 5-8.	
Additional Requirements / Costs: <i>* All fees and costs are subject to change annually as industry costs rise, however are believed to be accurate as of the date of document creation.</i>	Textbook / Curriculum:	NA
	Equipment / Lab Fees:	NA
	Uniform:	Class Polo Shirt (\$20)
	Miscellaneous:	Drug Test/Fingerprinting (\$90) TB Test (\$40) Flu Shot (\$32) COVID Vaccination
<p>This course is open to Seniors only. The EMT-Basic certificate program provides training in the emergency medical field. Students will learn to recognize the nature or extent of a patient's condition, administer appropriate emergency medical care to stabilize their condition, and prepare them for transport to the proper medical facility. The curriculum follows the National Registry of Emergency Medical Technicians (NREMT) for EMT-Basic training. Students will receive in-class lecture and skills training, including CPR training, as well as 25 hours of hands-on clinical experience. To be eligible for employment as an EMT-Basic, students must successfully complete the class and must take and pass the National Registry EMT-B Test to obtain their license.</p>		

KEC Course Title:	ESTHETICS AND FIRST AID (Preparation for health and skin care professionals) (14002A002)	
Class Location:	Kishwaukee Community College	
High School Credits Available:	2	College Credits Available: 5
Dual Credit Course Info: • Dual Enrollment through Kishwaukee College	EST100 - Intro to Esthetics TPM100 - Intro to Massage PE162 - First Aid and Emergency Response	
Certification(s):		
Days/Sessions/Semesters:	<ul style="list-style-type: none"> • Classes held daily, Monday-Friday. • Potential KEC sessions available - 3 • Semester(s) - 1 and 2 	
Prerequisite / Minimum Competency Required:	GPA of 3.5/4.0 over 5 semesters or 3.0/4.0 over 6 semesters; or Score a 3 on the ACCUPLACER English Placement or score at least a 226 on the ACCUPLACER Quantitative Reasoning, Algebra, and Statistics (QAS) Placement Test; or Minimum ACT English Score: 19; or Minimum ACT Composite Score: 19; or Minimum SAT Evidence-based Reading and Writing Score: 480	
Additional Requirements / Costs: <i>* All fees and costs are subject to change annually as industry costs rise, however are believed to be accurate as of the date of document creation.</i>	Textbook / Curriculum:	NA
	Equipment / Lab Fees:	Skills Consumables (\$50)
	Uniform:	NA
	Miscellaneous:	NA
<p>This course is offered to Juniors and Seniors as an introduction for those interested in pursuing an esthetics certificate or other health related careers and certifications. An Esthetician is a skincare specialist in a nonmedical function. As licensed professionals, estheticians provide many services, such as facials, to improve the appearance and health of skin. The class topics will be split during the week between 3 subjects:</p> <p>Esthetics is taught twice a week and is an introduction to the basic principles of esthetics. Students will learn the history of esthetics and career options available to licensed Estheticians. Professionalism, proper communication, infection control, draping and physical components of the esthetics environment will be discussed. General theory as well as practical application will be included.</p> <p>Massage is taught once a week and serves as an introduction to the basic principles and techniques of massage therapy. Students will learn the basic Swedish massage techniques and how to apply them. Basic anatomy and physiology of the major muscle groups, bony landmarks, and contraindications will be addressed.</p> <p>First Aid is taught twice a week and prepares the student for administering basic first aid; and adult, child, and infant cardiopulmonary resuscitation (CPR). The class incorporates personal safety and accident prevention information as part of first aid. Upon successful completion of the course, the student will receive American Red Cross (ARC) certification in Responding to Emergencies and Community CPR.</p>		

KEC Course Title:	FIRE SCIENCE 1		(15152A001)
Class Location:	KEC and Local Fire Departments		
High School Credits Available:	2	College Credits Available:	16
Dual Credit Course Info: <ul style="list-style-type: none"> Dual Enrollment through Waubensee College 	FSC105 - Basic Operations Firefighter Module A FSC115 - Basic Operations Firefighter Module B FSC118 - Basic Operations Firefighter Module C FSC120 - Hazardous Materials Operations FSC215 - Vehicle Operations		
Certification(s):	American Heart Association CPR		
Days/Sessions/Semesters:	<ul style="list-style-type: none"> Classes held daily, Monday-Friday. Class held one Saturday per month (mandatory - 5 hours each) Potential KEC sessions available - 3 Semester(s) - 1 and 2 		
Prerequisite / Minimum Competency Required:	NA		
Additional Requirements / Costs: * All fees and costs are subject to change annually as industry costs rise, however are believed to be accurate as of the date of document creation.	Textbook / Curriculum:	\$250 class software curriculum and Waubensee dual credit	
	Equipment / Lab Fees:	Nomex Hood (\$20) Safety Glasses Work Gloves	
	Uniform:	Class B Shirt (\$20) Uniform T-Shirts (\$10 ea.) Black Work Boots Navy Blue Pants Black Belt	
	Miscellaneous:	Chromebook, PC, or notebook device required - available through KEC or high school if requested Students must provide their own transportation (1 Saturday per month)	
<p>This course is open to Juniors and Seniors and is a study of techniques used in fire fighting and covers the subjects required by the Office of the State Fire Marshal for certification at the Basic Operations Firefighter level. This course incorporates a fire department atmosphere into the training. Students will take part in classroom lectures, demonstrations, hands-on practice of individual skills, and training responses. This program emphasizes the knowledge, individual skills, and teamwork skills necessary for an entry level position with a fire department. Students are required to wear a uniform to class each day, which is available for purchase prior to the beginning of the school year. Additional hours will be required outside of class. Students must be able to perform the required physical skills within the classroom setting, including, but not limited to, fire suppression simulation, rescue training, and emergency medical services training. Students must be able to lift a minimum of 50 lbs in order to complete physical tasks that are mandatory for passing skills testing. (Turnout gear and SCBA weight is approximately 25 lbs.)</p>			

KEC Course Title:	FIRE SCIENCE 2		(15152A002)
Class Location:	KEC and Local Fire Departments		
High School Credits Available:	2	College Credits Available:	11
Dual Credit Course Info: <ul style="list-style-type: none"> Dual Enrollment through Waubonsee College 	FSC125 - Advanced Technician Firefighter FSC140 - Fire Apparatus Engineer FSC150 - Vehicle and Machinery Operations		
Certification(s):			
Days/Sessions/Semesters:	<ul style="list-style-type: none"> Classes held daily, Monday-Friday. Class held one Saturday per month (mandatory - 5 hours each) Potential KEC sessions available - 3 Semester(s) - 1 and 2 		
Prerequisite / Minimum Competency Required:	Successful completion of all Fire Science 1 certifications		
Additional Requirements / Costs: <small>* All fees and costs are subject to change annually as industry costs rise, however are believed to be accurate as of the date of document creation.</small>	Textbook / Curriculum:	\$250 class software curriculum and Waubonsee dual credit	
	Equipment / Lab Fees:	Nomex Hood (\$20) Safety Glasses Work Gloves	
	Uniform:	Class B Shirt (\$20) Uniform T-Shirts (\$10 ea.) Black Work Boots Navy Blue Pants Black Belt	
	Miscellaneous:	Chromebook, PC, or notebook device required - available through KEC or high school if requested Students must provide their own transportation (1 Saturday per month)	
<p>Advanced hands-on experience and more in-depth study of what firefighters do at the scene of the fire. Students will be engaged in classroom and hands-on activities related to fire, rescue, and hazardous materials scene operations. Also included will be vehicle extrication, fire behavior, building construction, and ladders while wearing personal protective equipment. Various drills will be practiced to challenge and evaluate student progress. This class will continue the development of leadership and communication skills learned in Fire Science 1 as students prepare to pursue career opportunities with local fire departments. To be eligible for employment as a firefighter in the state of Illinois, students must successfully complete the class, and once they reach 18 years of age, must take and pass multiple State of Illinois Certification tests to obtain their firefighter license.</p>			

KEC Course Title:	MASS COMMUNICATION		(11155A001)
Class Location:	KEC		
High School Credits Available:	2	College Credits Available:	NA
Dual Credit Course Info:	NA		
• NA			
Certification(s):			
Days/Sessions/Semesters:	<ul style="list-style-type: none"> • Classes held daily, Monday-Friday. • Potential KEC sessions available - 12 • Semester(s) - 1 and 2 		
Prerequisite / Minimum Competency Required:	NA		
Additional Requirements / Costs:	Textbook / Curriculum:	NA	
<i>* All fees and costs are subject to change annually as industry costs rise, however are believed to be accurate as of the date of document creation.</i>	Equipment / Lab Fees:	NA	
	Uniform:	Business casual dress required during any field trips	
	Miscellaneous:	NA	
	<p>Mass Communication is open to Juniors and Seniors and is a course introducing students to media and the artistic side of business. Mass Comm includes topics such as advertising, marketing, PR, photography, cinema, journalism, and graphic design. Students will receive real-world experience in a classroom setting. Examples of projects students will complete include social media posts, resumes, movie posters, logos, business plans, cards, and stickers. Guest speakers who are professionals in the Mass Communication industry will share their knowledge and insight. Field trips to companies, agencies, and TV stations will enhance the real-life application.</p>		

KEC Course Title:	MEDICAL TERMINOLOGY FOR HEALTHCARE CAREERS (14054A001)		
Class Location:	KEC and Area Healthcare Facilities		
High School Credits Available:	2	College Credits Available:	3
Dual Credit Course Info: <ul style="list-style-type: none"> Dual Enrollment through Kishwaukee College 	HIT216 - Medical Terminology 1		
Certification(s):			
Days/Sessions/Semesters:	<ul style="list-style-type: none"> Classes held daily, Monday-Friday. Potential KEC sessions available - 1 Semester(s) - 1 and 2 		
Prerequisite / Minimum Competency Required:	Students must have a cumulative high school GPA of 2.5 or higher. Students who have taken and passed the Certified Nurse Assistant course with a grade of "B" or higher will automatically qualify for this class.		
Additional Requirements / Costs: <i>* All fees and costs are subject to change annually as industry costs rise, however are believed to be accurate as of the date of document creation.</i> <i>** These items MAY be required, depending on if medical rotations occur and any regulations in effect at host facilities.</i>	Textbook / Curriculum:	NA	
	Equipment / Lab Fees:	Ear Buds (\$10) USB Device (\$10)	
	Uniform:	Scrubs (\$37) Class Shirt (\$8)	
	Miscellaneous:	Class Binders (\$34) ** Drug Test/Fingerprinting (\$90) ** TB Test (\$40) ** Flu Shot (\$32) ** COVID Vaccination	
<p>This course is open to Juniors and Seniors and will prepare students interested in the healthcare field for healthcare programs at the advanced level (i.e. nursing, medical assisting, surgical technology, occupational or physical therapy, radiology, dental assistants, and other allied health professions). Many colleges/two-year programs require a biomedical terminology course as a prerequisite to admission to such programs. With an opportunity to earn dual credit for a comprehensive biomedical terminology course and overview of health science pathways and careers, this program can be a head start. As an added benefit, you will learn basic healthcare skills too. Medical terminology will focus on anatomy, abbreviations, procedures, medical conditions and treatments. Focus will be learning in a creative environment through 3D projects, games, and learning labs. Students will also begin to apply medical terminology with an introduction to nutrition, and overview of healthcare careers. Pending COVID restrictions students will reinforce this learning through field trips, medical rotations, and community service projects. These rotations will be specialized to students' future career interests. Excellent attendance is essential for success in this program.</p>			

KEC Course Title:	SPORTS MEDICINE (14062A001)	
Class Location:	KEC and Area High Schools	
High School Credits Available:	2	College Credits Available: NA
Dual Credit Course Info: • NA	NA	
Certification(s):	American Red Cross First Aid and CPR	
Days/Sessions/Semesters:	<ul style="list-style-type: none"> • Classes held daily, Monday-Friday. • Potential KEC sessions available - 2 3 • Semester(s) - 1 and 2 	
Prerequisite / Minimum Competency Required:	It is suggested that students possess a cumulative GPA of 2.5 or higher. More importantly, students must display a good attendance record at their home school. Much of the class is designed with skill checks and curriculum that can be easily understood with good attendance in class.	
Additional Requirements / Costs: <i>* All fees and costs are subject to change annually as industry costs rise, however are believed to be accurate as of the date of document creation.</i>	Textbook / Curriculum:	NA
	Equipment / Lab Fees:	NA
	Uniform:	NA
	Miscellaneous:	<i>Students MAY be required to provide their own transportation (job shadow)</i>
<p>This course is open to Juniors and Seniors and focuses on the anatomy of the skeletal, muscular and nervous systems. Students will receive skills training and in-class lectures including anatomy, common sports injuries, basic treatment, rehabilitation protocols, concussion recognition and management as well as taping and bracing procedures. Students will also explore sports nutrition and basic strength and conditioning principles. <i>Pending COVID requirements</i> students will perform 10 hours of professional job shadowing outside of regular class time. The job shadow experiences will be arranged by the instructor and are designed to meet students' future career interests. Upon successful completion of the course, each student will receive a Red Cross Responding to Emergencies First Aid and CPR certification. This is a transferable credit.</p>		

KEC Course Title:	WELDING TECHNOLOGY (13207A001 / 13207A002)	
Class Location:	BCM Industrial Park	
High School Credits Available:	2	College Credits Available: 8
Dual Credit Course Info: <ul style="list-style-type: none"> • Dual Enrollment through Kishwaukee College • WT122 and WT126 - even years • WT116 and WT128 - odd years 	WT116 - Fundamental Welding Processes WT128 - Oxyfuel Welding / Cutting WT122 - Shielded Metal Arc Welding 1 WT126 - Gas Metal / Flux Core Arc Weld 1	
Certification(s):		
Days/Sessions/Semesters:	<ul style="list-style-type: none"> • Classes held daily, Monday-Friday. • Potential KEC sessions available - 1 2 3 • Semester(s) - 1 and 2 	
Prerequisite / Minimum Competency Required:	NA	
Additional Requirements / Costs: <i>* All fees and costs are subject to change annually as industry costs rise, however are believed to be accurate as of the date of document creation.</i>	Textbook / Curriculum:	NA
	Equipment / Lab Fees:	Safety Glasses
	Uniform:	Leather Boots and Jeans
	Miscellaneous:	NA
<p>This course is open to Juniors and Seniors and is designed to develop job entry skills or prepare for advanced college course work leading to professional welder certification. Classroom instruction is combined with hands-on laboratory experience. Procedures covered in this course include shop safety, oxyacetylene welding, brazing and cutting, and all position SMAW and GMAW welding. Students in the second year program gain experience in advanced welding practices using SMAW and GMAW Processes. Students will also explore manual and automated plasma cutting processes and have opportunities to work on creative metal art and basic fabrication projects as their skills progress. All students are required to purchase and wear safety glasses, appropriate clothing, and equipment. The Instructor will present samples and store locations that supply the proper equipment on the first day of class.</p>		

KEC Course Title:	SENIOR BUSINESS LEADERSHIP ACADEMY (NA)	
Class Location:	High School and Various Business Locations	
High School Credits Available:	0	College Credits Available: 3
Dual Credit Course Info: <ul style="list-style-type: none"> Dual Enrollment through Kishwaukee College 	BUS107 - Business Seminar	
Certification(s):		
Days/Sessions/Semesters:	<ul style="list-style-type: none"> Classes held TBD Potential KEC sessions available - TBD Semester(s) - 1 and 2 	
Prerequisite / Minimum Competency Required:	Grade 12 and recommendation of high school counselor	
Additional Requirements / Costs: <i>* All fees and costs are subject to change annually as industry costs rise, however are believed to be accurate as of the date of document creation.</i>	Textbook / Curriculum:	NA
	Equipment / Lab Fees:	NA
	Uniform:	Business Dress Code
	Miscellaneous:	NA
<p>This course is open to Seniors only. The purpose of this year-long course is to expose students to a broad range of businesses and organizations. The class is designed to give students an understanding of the functions, principles, policies, problems, and career opportunities within the corporate structure. Emphasis is on developing networking skills through interaction with businesses in our local and surrounding communities. Class size is limited. Interested students will be asked to complete an application and interview process. Meetings are held weekly (days/times TBD) plus one full day meeting per month.</p>		