

2027-2028

McLean County Unit 5

Course to Career Guide

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INFORMATION

This course book has been prepared to assist students and parents in becoming better informed about the content of specific courses and aid in the decision-making process during registration. It is important that the information in this book be studied carefully so that realistic and appropriate courses are selected for each student.

GENERAL REGULATIONS

1. All students are required to be enrolled in a minimum of six courses. An exception will be made for 5th year seniors.
2. A student is required to take a minimum of 6 credit bearing courses per semester and may choose to take a 7th course for credit.
3. Students who enroll in a 0 Hour class are expected to leave after the 7th hour and will provide their own transportation.
4. The following breakdown will be used to determine a student's grade to start the school year:
    a. Sophomore – 2nd year of high school and minimum of 5 credits required
    b. Junior – 3rd year of high school and minimum of 11 credits required
    c. Senior – 4th year of high school and minimum of 17 credits required
5. The following breakdown will be used to determine a student's grade after the first semester. Students may request a status change for second semester:
    a. Sophomore – 2nd year of high school and a minimum of 8 credits required
    b. Junior – 3rd year of high school and a minimum of 13 credits required
    c. Senior – 4th year of high school and is anticipated to meet graduation requirements by July 31.

Graduation Requirements by Credit	
English ● 1.0 Credit English 1 or Honors English 1 (Student must take one) ● 1.0 Credit English 2 or Honors English 2 (Student must take one) ● 1.0 Credit English 3 or AP Language (Student must take one) ● 1.0 Credit AP Literature or College English Bridge or Journalism II/III (Student must take one) ● **OR** .5 Credit English 4 or Dual Credit 101 AND a .5 Senior Elective (Student must take one of these two choices) ● Students are required to take these courses sequentially as listed. No student should have a semester without English, with the possible exception of 2nd semester senior year IF student has met the requirement of the 4.0 total required credits, or if an IEP, 504 or a CARES plan team makes an exception.	4.0
Math ● 1.0 credit Algebra I ● Must take one course that includes Geometry content (e.g., Geometry, Honors Geometry, Algebra 2, Algebra 2 with Trigonometry, Honors Algebra 2 with Trigonometry, Instructional Algebra) ● 1.0 Math credit can come from AP Computer Science Principles or AP Computer Science A (Java) ● High school mathematics courses (e.g., Algebra I, Honors Geometry, Algebra 2) taken by junior high students will be included on the student's high school transcript and calculated in the high school GPA. These courses will earn high school credit, fulfill applicable prerequisite requirements, and may be used to meet NCAA initial eligibility requirements.	3.0
Science	2.0
Social Studies ● 1.0 credit U.S. History - Meets state Computer Literacy requirement for graduation ● 0.5 credit Civics or AP U.S. Government & Politics. ● Successful completion of Constitution Test.	2.0
(Continued on next page)	

Physical Education and Health ● Students are required to enroll in PE every semester they are in school even if they have attained 3.5 credits. Unit 5 expects all students to participate in a Physical Education course that includes swimming content. ● Students may graduate with less than 3.5 credits in Physical Education if they are approved for early graduation or if they qualify for an exemption under the Board of Education guidelines: ○ **Substitutions for Physical Education (No. 6.310)** ○ See Page 9 for Substitutions for Physical Education.	3.5
Consumer Education: ● State of Illinois requirement. Successful completion of any of the following courses/programs fulfills the State Consumer Education requirement for high school graduation: ○ Introduction to Business Course (9, 10) 2 semesters ○ Consumer Education course (11, 12) 1 semester ○ Work Program Class (11, 12) 2 semesters ○ Personal Investment & Finance course (11, 12) 1 semester ○ Agribusiness Management course (11, 12) 2 semesters ○ AP Business with Personal Finance (11,12) 2 semesters ○ Consumer Math (11, 12) 2 semesters (for students with IEP case manager) ○ Vocations Class (11, 12) 2 semesters (for students with IEP case managers)	0.5
Electives	9.0
Total credits	24.0
Additional Requirements: Completion of ACT Test (11th grade) Completion of FAFSA (12th grade)	

AUTO ENROLLMENT OF ACCELERATED COURSE WORK

The Accelerated Placement Act allows a school district to automatically enroll a student into the next most rigorous level(s) of advanced coursework for the next school year in English, Math, Science and/or Social Studies if the student meets or exceeds state standards in English Language Arts (ELA), Mathematics, and/or Science on a state assessment. Advanced courses in Unit 5 include: Honors, Advanced Placement [AP] and Dual Credit classes. Enrollment into Dual Credit classes, even when qualified through Accelerated Placement, also requires a completed application to Heartland Community College (HCC) and possible placement testing through Heartland. When these steps are not completed for HCC's dual credit requirements, the Accelerated placement defaults to the AP options below.

Unit 5 will use the following assessments and guidelines to facilitate student placement. Students will be automatically placed into courses required for graduation and may select electives during the course selection process each year. Students and parents are encouraged to review the Unit 5 Course To Career Guide and have conversations with their School Counselor about educational planning and course selection. Additional information on courses and their prerequisites can be found in the Unit 5 Course to Career Guide. Unit 5 encourages prepared and motivated students to take the most rigorous level of coursework.

Placement for	ELA/Reading	Social Studies	Math	Science
Grade 9 Courses	Standard Course: English I		Standard Course: Algebra I or Geometry	Standard Course: Biology
	Placement into Honors English 1 based on Grade 7 IAR scores: **Proficient, Above Proficient**		Placement into Honors Geometry Grade 7 IAR scores: **Proficient, Above Proficient**	Placement into Honors Biology based on Grade 7 IAR Math scores: **Proficient, Above Proficient**
Grade 10 Courses	Standard Course: English II		Standard Course: Geometry, Algebra 2 w/Trigonometry	Standard Course: Chemistry
	Placement into Honors English II based on Grade 8 IAR scores: **Proficient, Above Proficient**		Placement into Honors Geometry, Honors Algebra 2 w/ Trigonometry Based on Grade 8 IAR scores: **Proficient, Above Proficient**	Placement into Honors Chemistry based on Grade 8 ISA score: **Proficient, Above Proficient**
Grade 11 Courses	Standard Course: English III	Standard Course: Civics	Standard Course: Algebra 2 w/ Trigonometry or AP Pre Calculus (AB Pathway)	
	Placement into AP Language and Composition based on **ACT 9: 14**	Placement into AP US Government & Politics based on **ACT 9: 14**	Placement into Honors Algebra 2 w/ Trigonometry or AP Precalculus (BC Pathway) based on **ACT 9: 17**	
Grade 12 Courses	Standard Course: English IV, College English Bridge, or Journalism II & III	Standard Course: Civics		
	Placement into AP Literature, Composition, DC Comp. I, or DC Comp. II based on **ACT 10: 15**	Placement into AP US Government & Politics based on **ACT 10: 15**		

WEIGHTED GRADE SYSTEM

McLean County Unit District No. 5 utilizes a weighted grade system for determining grade point average. To indicate the weight of a class, the following symbols are placed behind the course title.

Standard Level		A=4	B=3	C=2	D=1	F=0
Honors Level	[H]	A=5	B=4	C=3	D=2	F=0
Advanced Placement Level	[AP]	A=5	B=4	C=3	D=2	F=0
Dual Credit Level	[DC]	A=5	B=4	C=3	D=2	F=0
*Dual Credit Career Technical Education	[CTE]	A=5	B=4	C=3	D=2	F=0

*Applies to Dual Credit Career Technical Education courses by Unit 5 and Bloomington Career Center instructors.

HONOR ROLL

The High School shares a school-wide Honor Roll list at the end of each semester. Students with a semester GPA of 3.6 or greater will qualify for the Honor Roll. Weighted grades will be used in determining eligibility for Honor Roll.

CUM LAUDE RECOGNITION

Summa Cum Laude and Magna Cum Laude designations will be awarded based on GPA after 7 semesters. No exceptions will be made for 8th semester. Weighted grades will be used in determining eligibility for cum laude recognition.

Summa Cum Laude designation: 4.1+ GPA
Magna Cum Laude designation: 3.85 – 4.099 GPA

REGISTRATION GUIDELINES

TRANSFER STUDENT GUIDELINES

All eligible students who move into the district or who transfer from another school are expected to register on or before the first day of a semester. Students enrolling late who have been attending school elsewhere will be placed in equivalent classes, if possible. Grades from the previous school will be combined with grades earned in Unit 5 high school classes to determine semester grades and credit. If there is not a similar course available, students may not be able to earn credit and may be assigned to study hall.

A student wishing to enter late, who has not been attending school during the current semester, will be placed in the appropriate classes. The opportunity for credit will be evaluated on a case-by-case basis if the prospective student chooses to enroll. Credit is not guaranteed.

HONORS CREDIT FOR TRANSFER STUDENTS

Students will earn weighted GPA points for transfer courses that align with Unit 5 weighted courses.

COURSE SELECTION GUIDELINES

All students, eighth grade through eleventh grade, are expected to select courses during the annual course selection period for the following year.

Students can request changes to their second semester schedules through the first nine weeks of the first semester. Approval of requests for a change to schedules are dependent on space available in courses.

An email will be sent to all parents in mid-March to check course verification in Infinite Campus. Changes to course requests must be completed with consent to the school counselor by the end of the last school day prior to spring break.
The only changes allowed after mid-march deadline include:

1. Successful completion of credit recovery and/or initial credit course(s). Students must have prior written approval from a school counselor and associate principal before enrolling in a course.
2. Changes for seniors that are necessary to meet graduation requirements.
3. Failure to meet course prerequisite if requested by the student/parent.
4. Driver Education changes for students placed in the wrong semester because of age or course failures.
5. Missing requirement for university admissions. Students will need to produce documentation from the university stating a specific course is needed for admission.
6. Drop class to move to a higher weighted course.
7. Drop a yearlong class that has been failed 1st semester and add a 2nd semester class.
8. Students enrolled in a study hall may choose to enroll in a class in the first 5 days of a semester

DROPPING A COURSE

Students enrolled in seven courses may drop an elective course for a study hall within the **first four weeks of the semester**.

LEVEL CHANGES

Students enrolled in a course where multiple levels of the course exist and who are receiving a D/F, may request a level change **within the first four weeks of the semester**. In order to request a change, students must complete a Level Change form that shows the interventions/resources utilized that were unsuccessful in the present course before a level change will be approved by the school administration. For year-long courses, when a student's final semester 1 grade is a D/F, a level change request for the second semester must be submitted within the first week of 2nd semester.

PROFICIENCY EXAMS

- The music department may administer a proficiency exam to enroll in a course.
- Advancement to a higher-level modern language class is contingent upon a 70% passing score on the department placement exam. Students advancing to a higher level will not receive credit for courses in which they were not enrolled. Test outlines are available from modern language teachers.

BLENDED LEARNING COURSES

Unit 5 offers blended courses that would be very similar to college courses in that a significant amount of the coursework is to be completed outside of class time. The purpose is to expose students to a flexible schedule to help them transition to college or the workplace. Organization, communication skills, and self-advocacy are also required of students in blended courses. Teachers are prepared to assist students in the development of these skills through the supports and scaffolds they will provide to students in blended classrooms. Teachers will indicate, prior to each week, the days in which students will report to the classroom (required attendance days) and the days in which students have the flexibility to work outside of the classroom (flex days). Courses offered as Blended Learning are noted with **BL** on the course code list. Within the course description pages, they are indicated in italicized print. Students interested in taking a blended class should select the designated course code during course selection. Some courses are only offered in a blended fashion. Students are able to attend class daily as the teacher is required to be in the classroom. More information about blended learning will be provided to students by their teachers.

FEES FOR STUDENT-CONSUMED CURRICULUM SUPPLIES

Unit 5 offers a rich, diverse curriculum menu from which students and their parents may choose. While Unit 5 makes every effort to ensure the cost of attending a course is covered with your registration charge, there are course selections which may present you with additional fees. Examples would be fees for purchasing wood supplies for a woodshop assignment, fees charged to obtain lifeguard certification, or fees charged for driver's education activities or BCA.

High School Credit for Non-District Experiences; Course Substitutions; Re-Entering Students

See Board of Education policy 6:310 for more information.

Guidelines for High School Non-District Experiences and Course Substitutions

- A student may take no more than six high school credits outside of Unit 5's course offerings.
- A student who has failed more than six high school credits may exceed the limit of six high school credits to recover credits to fulfill graduation requirements.
- High school credit may be earned during the school day only if approved in advance by the Building principal or designee.
- A maximum of one high school credit (two classes) may be earned per semester unless approved in advance by the Building Principal or designee.
- A maximum of two high school credits may be earned during a single summer session unless approved in advance by the Building Principal or designee.
- The aforementioned credit limitations apply only to a student enrolled full time.

Off Campus Learning Courses

A student enrolled in an off campus learning course may receive high school credit for work completed, provided:

1. The course is given by an accredited institution and approved in advance by the Building Principal or designee.
2. The student assumes all financial responsibility.

Off campus learning courses may be taken during the school day for district supported credit recovery.

The Superintendent or designee shall determine which, if any, non-District courses or experiences, will count toward a student's grade point average and eligibility for athletic and extracurricular activities.

Note ~ College level courses that are taken while a student is enrolled in high school may not be recognized for college credit by some post-secondary institutions.

Substitutions for Physical Education

A student in grades 11-12, unless otherwise stated, may submit a written request to the Building Principal to be excused from physical education courses for the reasons stated below. The Superintendent or designee shall maintain records showing that the criteria set forth in this policy were applied to the student's individual circumstances, as appropriate.

1. Ongoing participation in a marching band program;
2. Enrollment in Reserve Officer's Training Corps (ROTC) program sponsored by the District;
3. Ongoing participation in an interscholastic athletic program;
4. Enrollment in academic classes that are required for admission to an institution of higher learning; or
5. Enrollment in academic classes that are required for graduation from high school, provided that failure to take such classes will result in the student being unable to graduate.

A student who is eligible for special education may be excused from physical education courses pursuant to Board policy 7.260, Exemption from Physical Education

The provisions in the section **Credit for Non-District Experiences**, above, apply to the receipt of credit for any non-District course.

COURSE NUMBERS

AGRICULTURE

AGR101/102	Intro to Ag, Food & Nat Resources
AGR171/172	Introduction to Animal Science [DC]
AGR251/252	Agribusiness Management
AGR250/259	BL Agribusiness Management
AGR271/272	Agricultural Mechanics & Technology
SCI331/332	Biological Science Apps in Agriculture
SCI341/342	Physical Science App in Agriculture
AGR501/502	Veterinary Science

ART

ART061/062	Creative Careers in Arts
ART121/122	Graphic Design I
ART131/132	Graphic Design II
ART151/152	Drawing & Painting I
ART161/162	Drawing & Painting II
ART201/202	Ceramics & Sculpture I
ART211/212	Ceramics & Sculpture II
ART251/252	Advanced Art Studio I
ART301/302	Advanced Art Studio II
ART311/312	AP Art History [AP]
ART351/352	Photography I
ART 361/362	Photography II – Digital Photo
ART 811/812	AP Art 2-D Design [AP]
ART961/962	Yearbook/Desktop Publishing I
ART960/969	BL Yearbook/Desktop Publishing I
ART971/972	Yearbook/Desktop Publishing II
ART970/979	BL Yearbook/Desktop Publishing II
ART981/982	Yearbook/Desktop Publishing III
ART980/989	BL Yearbook/Desktop Publishing III

BUSINESS

BUS051/052	Introduction to Business
BUS111/112	Digital Production
BUS211/212	Digital Creativity
BUS301/302	Office Keyboarding Applications
BUS501/502	Accounting
BUS550/559	BL Advanced Accounting
BUS601/602	Business Management
BUS610/619	BL Sports & Entertainment Marketing
BUS701/702	Business Law
BUS720/729	BL Personal Investment & Finance
BUS741/742	Innovative Entrepreneurs
BUS621/622	Business Principles [DC]
BUS101/102	Exploring Business
BUS731/732	AP Business with Personal Finance [AP]

DATA AND COMPUTER SCIENCE

CSC153/154	Introduction to Data and Computer Science
CSC611/612	AP Cyber Security [AP]
CSC771/772	AP Computer Science Principles [AP]
CSC781/782	AP Computer Science A (Java) [AP]

CONSUMER EDUCATION

BUS051/052	Introduction to Business
CON151/152	Consumer Ed
BUS721/722	Personal Investment & Finance
BUS720/729	BL Personal Investment & Finance
AGR251/252	Agribusiness Management
AGR250/259	BL Agribusiness Management
SPL441/442	Consumer Math
SPV101/102	Vocations I
SPV111/112	Vocations II
WRK101/102	Work Program Class
BUS731/732	AP Business with Personal Finance [AP]

DRIVER'S EDUCATION

DRV101	Safety – Driver Education 1st Quarter
DRV111	Safety – Driver Education 2nd Quarter
DRV102	Safety – Driver Education 3rd Quarter
DRV112	Safety – Driver Education 4th Quarter

SUPPORTED ENGLISH STUDIES

ENG021/022	Basic ESL
ENG031/032	Beginning ESL
ENG081/082	Intermediate ESL
ENG091/092	Advanced ESL
ELA105/106	ESL Emergent Reading & Writing
ELA205/206	ESL Intermediate Academic Language

ENGLISH

ENG151/152	English I
ENG171/172	Honors English I [H]
ENG251/252	English II
ENG271/272	Honors English II [H]
ENG351/352	English III
ENG371/372	AP English Language & Comp [AP]
ENG551/552	College English Bridge
ENG581/582	English IV
ENG591/592	Senior Literature
ENG721/722	Philosophy & Literary Criticism
ENG781/782	Creative Writing
ENG811	Theater I
ENG812	Theater II
ENG842	Advanced Acting & Directing
ENG871/872	Film as Literature
ENG881/882	AP English Literature & Comp [AP]
ENG890/899	BL Intro to the Humanities [DC]
ENG910/919	BL Composition I [DC]
ENG929	BL Composition II [DC]
ENG930/939	BL Journalism I
ENG940/949	BL Journalism II
ENG950/959	BL Journalism III
ENG990/999	BL Intro to Oral Communication [DC]

FAMILY AND CONSUMER SCIENCE

FCS 111/112	Culinary Arts
FCS122	Culinary Arts II
FCS151/152	Child Development
FCS150/159	BL Child Development
FCS251/252	Parenting
FCS291/292	Educating Young Children I
FCS290/299	BL Educating Young Children I
FCS311	Housing & Interior Design I
FCS332	Housing & Interior Design II
FCS301/302	Foundations of Fashion
FCS341/342	Clothing Construction
FCS362	Sewing Studio
FCS391/392	Educating Young Children II [CTE]
FCS390/399	BL Educating Young Children II [CTE]
FCS500/509	BL Introduction to Education [DC]
FCS511/512	Personality, Behavior & Relationships
FCS611/612	BL Education Internship [DC]
FCS620/629	BL Early Childhood Internship
FCS131/132	Principles of Nutrition

MATHEMATICS

MAT151/152	Pre-Algebra
MAT321/322	Algebra 1
MAT481/482	QL Transitional Math
MAT521/522	Geometry
MAT601/602	Honors Geometry [H]
MAT641/642	Algebra 2
MAT681/682	Algebra 2 w/ Trigonometry
MAT721/722	Honors Algebra 2 w/Trigonometry [H]
MAT731/732	College Algebra
MAT901/902	AP Precalculus (AB Pathway) [AP]
MAT903/904	AP Precalculus (BC Pathway) [AP]
CSC771/772	AP Computer Science Principles [AP]
CSC781/782	AP Computer Science [AP]
MAT811/812	STEM Trigonometry
MAT841	Finite Math
MAT842	Probability & Statistics
MAT861/862	Introduction to Statistics [DC]
MAT860/869	BL Intro to Statistics [DC]
MAT910/919	BL Finite Math for Business & Soc. Sci. [DC]
MAT921/922	AP Calculus AB [AP]
MAT941/942	AP Calculus BC [AP]
MAT971/972	Honors Calculus III [H]

MODERN LANGUAGES

FOR111/112	French I
FOR121/122	French II
FOR131/132	French III
FOR151/152	AP French [AP]
FOR211/212	German I
FOR221/222	German II
FOR231/232	German III
FOR251/252	AP German [AP]
FOR311/312	Spanish I
FOR321/322	Spanish II
FOR331/332	Spanish III
FOR341/342	Spanish IV
FOR340/349	BL Spanish IV
FOR351/352	AP Spanish [AP]

MUSIC

MUS211/212	Concert Choir
MUS321/322	Chorale
MUS411/412	Chamber Choir
MUS231/232	Concert Orchestra
MUS331/332	Sinfonia Orchestra
MUS431/432	Chamber Orchestra
MUS141/142	Concert Winds
MUS241/242	Symphonic Band
MUS341/342	Symphonic Winds
MUS351/352	Wind Symphony
MUS441/442	Wind Ensemble
MUS251/252	American Popular Music
MUS451/452	AP Music Theory [AP]
MUS461/462	Honors Music Theory II [H]
MUS469	BL Honors Music Theory II [H]

PHYSICAL EDUCATION

PHY051/052	Health
PHY101	Drivers Ed/Swim 1st Quarter
PHY 111	Drivers Ed/Swim 2nd Quarter
PHY 102	Drivers Ed/Swim 3rd Quarter
PHY 112	Drivers Ed/Swim 4th Quarter
PHY131/132	Foundations of Fitness
PHY201/202	Sports and Fitness
PHY207/208	0 HR Sports and Fitness
PHY301/302	Lifetime Fitness
PHY401/402	Personal Development
PHY501/502	Dance Fitness
PHY511/512	Adaptive PE
PHY601/602	Water & Land Activities
PHY631/632	Advanced Aquatics
PHY651/652	Swim Guard
PHY701/702	Lifestyle Management
PHY801/802	Unified Physical Education

SCIENCE

SCI101/102	Biology I
SCI201/202	Honors Biology [H]
SCI331/332	Biological Science Apps in Agriculture
SCI341/342	Physical Science App in Agriculture
SCI361/362	Molecular/Structural Biology
SCI401/402	AP Biology [AP]
SCI400/409	BL AP Biology [AP]
SCI451/452	Chemistry I
SCI501/502	Honors Chemistry I [H]
SCI561/562	Fundamentals of Chemistry [DC]
SCI601/602	AP Chemistry [AP]
SCI600/609	BL AP Chemistry [AP]
SCI651/652	Physics I
SCI650/659	BL Physics I
SCI751/752	AP Physics C [AP]
SCI750/759	BL AP Physics [AP]
SCI801/802	Environment Earth
SCI811/812	Environment Earth [DC]
SCI831/832	Earth & Space Science
SCI830/839	BL Earth & Space Science
SCI861/862	Biological Engineering

SOCIAL STUDIES

SOC101/102	Regional World Studies
SOC151/152	Civics
SOC161/162	Multicultural Studies
SOC211/212	U.S. History
SOC301/302	International Relations
SOC401/402	Human Geography
SOC511/512	Introduction to Logic
SOC601/602	Psychology
SOC612	AP Psychology [AP]
SOC701/702	Sociology
SOC801/802	Economics
SOC861/862	AP Government & Politics US [AP]
SOC882	AP Comparative Government [AP]
SOC912	AP Human Geography [AP]
SOC930	BL Western Civilization to 1500 [DC]
SOC949	BL Western Civilization from 1500 [DC]

STUDY HALL

STH101/102	Study Hall

INTERVENTIONS

ELA101/102	Focused Language Arts
MAT101/102	Focused Pre-Algebra
MAT331/332	Focused Algebra
MAT631/632	Focused Algebra II
MAT531/532	Focused Geometry
RTI121/122	Study Skills
RTI131/132	Choices
RTI133/134	Choices II
RTI141/142	Creative Aspirations
RTI1301/1302	The Den

TECHNOLOGY

TEC081/082	Intro to Technology Concepts
TEC201/202	Video and Multimedia Technology
TEC231/232	Advanced Video and Multimedia Technology
TEC251/252	Introduction to Metal and Woods Technology
TEC411/412	Intro to Engineering Design
TEC421/422	Principles of Engineering [CTE]
TEC431/432	Civil Engineering & Architecture [CTE]
TEC491/492	Intro to Animation & Rendering
TEC521/522	Metal Working Technology [CTE]
TEC561/562	Advanced Metal Working Technology [CTE]
TEC721/722	Woodworking Technology
TEC741/742	Advanced Woodworking Technology
STM811/812	STEM Capstone

WORK/CAREER EXPOSURE

WRK101/102	Work Program Class
WRK 100/109	BL Work Program Class
WRK121/122	Pathways to Success [DC]
WRK151/152	Work Program I
WRK161/162	Work Program II
WRK141/142	Internship Program
BUS741/742	Innovative Entrepreneurs

Bloomington Career Academy

AVT641/642	Automotive Technology I
AVT651/652	Automotive Technology II
AVT521/522	Commercial Driver's License Trucking
AVT221/222	Computer Tech & Networking I
AVT231/232	Computer Tech & Networking II
AVT241/242	Computer Tech & Networking III
AVT761/762	Construction Trades I
AVT771/1772	Construction Trades II
AVT791/792	Construction Trades III
AVF801/802	Cosmetology I
AVF851/852	Cosmetology II
AVF861/862	Cosmetology III
AVC241/242	Criminal Justice/Law I
AVC271/272	Criminal Justice/Law II
AVC291/292	Criminal Justice/Law III
AVF551/552	Culinary Arts I
AVF591/592	Culinary Arts II
AVT215/252	Cybersecurity
AVT315/316	Cybersecurity II
AVC341/342	Fire Science
AVC361/362	EMT-Basic
AVF871/872	Esthetics I & II
AVH701/702	Health Careers & Med Term
AVT721/722	Heavy Equip repair & Operation
AVT723/724	Heavy Equip repair & Operation II
AVH651/652	Certified Nurse Assistant
AVH691/692	CNA Leadership
AVT301/302	Graphic Design & Video Production I
AVT311/312	Graphic Design & Video Production II
AVT321/32	Graphic Design & Video Production III
AVT401/402	Robotics & Engineering
AVT411/412	Robotics & Engineering II
AVT725/726	Mechatronics
AVT601/602	Welding I
AVT621/622	Welding I

NCAA APPROVED CORE COURSES

Currently, the NCAA for athletic eligibility at the college level accepts the following core courses. The information is listed as found on the Eligibility Center website. Potential Division I and Division II athletes need to carefully check the information as the requirements vary slightly for Division I and II. Students will need at least 16 core classes in the following areas: English, Mathematics, Social Science, Natural or Physical Science, and Additional Core Courses. For Division I, 10 of the 16 core courses must be completed by the end of junior year. For additional assistance, talk to your counselor, coach, athletic director or visit The NCAA Eligibility Center website at **https://web3.ncaa.org/ecwr3/** Unit Five does not make the eligibility determination nor determine the classes that will count toward the core requirement.

ENGLISH

ENG151/152	English I
ENG171/172	Honors English I [H]
ENG181/182	Honors English I/II [H]
ENG251/252	English II
ENG271/272	Honors English II [H]
ENG351/352	English III
ENG371/372	AP English Language & Comp [AP]
ENG581/582	English IV
ENG591/592	Senior Literature
ENG721/722	Philosophy & Literary Criticism
ENG781/782	Creative Writing
ENG871/872	Film as Literature
ENG881/882	AP English Literature & Comp [AP]
ENG890/899	BL Intro to the Humanities [DC]
ENG891/892	Intro to the Humanities [DC]
ENG911/912	Composition I [DC]
ENG910/919	BL Composition I [DC]
ENG922	Composition II [DC]
ENG929	BL Composition II [DC]
ENG991/992	Intro to Oral Communication [DC]
ENG990/999	BL Intro to Oral Communication [DC]
ENG931/932	Journalism I
ENG930/939	BL Journalism I

MATHEMATICS

MAT321/322	Algebra 1
MAT521/522	Geometry
MAT601/602	Honors Geometry [H]
MAT641/642	Algebra 2
MAT681/682	Algebra 2 w/ Trigonometry
MAT721/722	Honors Algebra 2 w/Trigonometry [H]
MAT731/732	College Algebra
MAT901/902	AP Precalculus (AB Pathway) [AP]
MAT903/904	AP Precalculus (BC Pathway) [AP]
CSC771/772	AP Computer Science Principles [AP]
CSC781/782	AP Computer Science A (Java) [AP]
MAT811/812	STEM Trigonometry
MAT841	Finite Math
MAT842	Probability & Statistics
MAT861/862	Introduction to Statistics [DC]
MAT921/922	AP Calculus AB [AP]
MAT941/942	AP Calculus BC [AP]
MAT971/972	Honors Calculus III [H]

NATURAL/PHYSICAL SCIENCE

SCI101/102	Biology I
SCI201/202	Honors Biology I [H]
SCI361/362	Molecular/Structural Biology
SCI401/402	AP Biology [AP]
SCI400/409	BL AP Biology [AP]
SCI451/452	Chemistry I
SCI501/502	Honors Chemistry I [H]
SCI561/562	Fundamentals of Chemistry [DC]
SCI601/602	AP Chemistry [AP]
SCI600/609	BL AP Chemistry [AP]
SCI651/652	Physics I
SCI650/659	BL Physics I
SCI751/752	AP Physics C [AP]
SCI750/759	BL AP Physics [AP]
SCI801/802	Environment Earth
SCI811/812	Environment Earth [DC]
SCI831/832	Earth & Space Science
SCI830/839	BL Earth & Space Science
SCI861/862	Biological Engineering

SOCIAL STUDIES

SOC101/102	Regional World Studies
SOC151/152	Civics
SOC161/162	Multicultural Studies
SOC211/212	U.S. History I/II
SOC301/302	International Relations
SOC401/402	Human Geography
SOC511/512	Introduction to Logic
SOC601/602	Psychology
SOC612	AP Psychology [AP]
SOC701/702	Sociology
SOC801/802	Economics
SOC861/862	AP Government & Politics US [AP]
SOC882	AP Comparative Government [AP]
SOC912	AP Human Geography [AP]
SOC931	Western Civilization to 1500 [DC]
SOC930	BL Western Civilization to 1500 [DC]
SOC942	Western Civilization from 1500 [DC]
SOC949	BL Western Civilization from 1500 [DC]

ADDITIONAL CORE COURSES

FOR111/112	French I
FOR121/122	French II
FOR131/132	French III
FOR141/142	French IV
FOR151/152	AP French [AP]
FOR211/212	German I
FOR221/222	German II
FOR231/232	German III
FOR251/252	AP German [AP]
FOR311/312	Spanish I
FOR321/322	Spanish II
FOR331/332	Spanish III
FOR341/342	Spanish IV
FOR340/349	BL Spanish IV
FOR351/352	AP Spanish [AP]

COLLEGE CREDIT RELATED TO HIGH SCHOOL CLASSES

AP COURSES and TESTING

Overview & College Credit: The Advanced Placement (AP) Program, administered by the College Board, offers high school students college-level coursework and the opportunity to earn college credit or placement. Exams are scored from 1 to 5, with scores of 3 or higher generally considered qualifying. Because credit policies vary by institution, students should check target college requirements using the College Board AP Credit Policy Search. Unit 5 offers exams corresponding to its AP courses; while taking the course is not mandatory to sit for an exam, it provides essential preparation. **A student should determine potential credit or placement with the college he/she plans to attend. This website can also be a resource:** https://apstudents.collegeboard.org/getting-credit-placement/search-policies

Course Expectations & Workload: McLean County Unit District No. 5 offers weighted AP courses in art, English, modern languages, mathematics, music, science, data/computer science, and social studies. Designed to match introductory college standards, these courses require significant independent work outside of class—including reading, writing, lab analysis, AP Classroom assignments, and exam prep. Success requires strong time management and self-direction. Students and families should carefully evaluate overall schedules, extracurriculars, and commitments with a school counselor before enrolling.

Exam Registration, Fees, and Logistics Deadlines: Registration occurs in October for yearlong and first-semester courses, and in February for second-semester courses. **There is a cost for each exam**. Students with financial need may qualify for a free/reduced fee. Students should check with the AP Coordinator to determine eligibility for the fee reduction. The College Board may charge a late fee per exam for any student canceling an exam after the registration deadline OR for any student who registers for an exam, but does not sit for the exam. Many AP exams are held off campus and students are responsible for their own transportation.

For additional information and AP test schedule, contact your counselor, AP Coordinator, or The College Board website at http://www.collegeboard.com/student/testing/ap/about.html . The site will lead you to specific AP information.

DUAL CREDIT COURSES

GENERAL EDUCATION/TRANSFER ELECTIVE COURSES (*Placement Required)*

Students who enroll in a dual credit course will earn high school credit (count toward graduation credits) and college credit for post-secondary institutions that accept the credit. Students and parents are strongly encouraged to check with colleges/universities of interest to verify the conditions under which they will accept dual credit coursework from Heartland Community College. Dual credit courses are weighted level courses.

Dual credit courses will be taught at NCHS and NCWHS during the regular school day by Unit 5 faculty members. In rare instances a course may be taught online by HCC staff. Academically qualified students may enroll in these college level courses. Upon successful course completion, the student earns high school credit and college credit. **Textbook purchase is the responsibility of the student/family**. There is no Heartland Community College tuition cost for these courses.

Students who choose these courses must apply to HCC and qualify by passing benchmark scores on one of the following: ACT test, SAT test, PSAT test, or by taking the Heartland test if college readiness benchmarks are not met on the ACT/SAT.

For a detailed description of the dual credit courses we offer, please refer to the department indicated by the course code or visit http://www.heartland.edu/collegeNow/

CAREER AND TECHNICAL EDUCATION (No *Placement Required)*

These courses are aligned with applied certificate or degree programs at HCC. Career Technical Education courses are not part of the Illinois Articulation Initiative so transferability varies by college or university. Additionally, students do not need to take the HCC placement exam to qualify for these courses. Dual Credit Career Technical Education courses taught by Unit 5 and Bloomington Career Center instructors are weighted level courses.

DUAL CREDIT COURSE LIST

GENERAL EDUCATION *(Placement Required)*

AGR171/172	Introduction to Animal Science [DC]
ENG910	BL Composition I [DC]
ENG922	Composition II [DC]
ENG929	BL Composition II [DC]
ENG991/992	Intro to Oral Communication [DC]
ENG990/999	BL Intro to Oral Communication [DC]
ENG891/892	Intro to the Humanities [DC]
ENG890/899	BL Into to the Humanities [DC]
MAT861/862	Introduction to Statistics [DC]
SCI561/562	Fundamentals of Chemistry [DC]
SCI811/812	Environment Earth [DC]
SOC931	Western Civilization to 1500 [DC]
SOC930	BL Western Civilization to 1500 [DC]
SOC942	Western Civilization from 1500 [DC]
SOC949	BL Western Civilization from 1500 [DC]

TRANSFER ELECTIVE *(No Placement Required)*

WRK121/122	Pathways to Success [DC]

TRANSFER ELECTIVE *(Placement Required)*

FCS500/5009	Introduction to Education [DC]
BUS621/622	Business Principles [DC]

CAREER & TECHNICAL EDUCATION *(No Placement Required)*

FCS391/392	Educating Young Children II [CTE]
FCS390/399	BL Educating Young Children II [CTE]
FCS611/612	Education Internship [CTE]
TEC421/422	Principles of Engineering [CTE]
TEC431/432	Civil Engineering & Architecture [CTE]
TEC521/522	Metalworking Technology [CTE]
TEC561/562	Advanced Metalworking Technology [CTE]

ASSOCIATE OF SCIENCE DEGREE PROGRAM - CONCENTRATION IN COMPUTER SCIENCE

Heartland Community College is partnering with McLean County District No. 5 to offer an Associate of Science Degree program that can be earned while a student is simultaneously earning their high school diploma. This will be accomplished through strategic planning and coordination with Heartland Community College. Additionally, some summer coursework will need to be completed.

Self-motivated students that have an interest in computer science are the ideal candidates for this program. If a student has not taken honors geometry, the student will have to double up on math so that they can complete AP Calculus BC by the end of their junior year or complete honors geometry the summer before their freshman year.

Interested students must obtain a recommendation from an 8th grade core teacher (science, social studies, ELA). The recommendation should reference both a student's academic abilities, but also the student's learner characteristics (collaboration, perseverance, responsibility, self-advocacy, critical thinking skills, etc.).

Students are accepted into the program only as incoming freshmen students and will be notified early in the second semester of their 8th grade year so that course selections can be made accordingly. Beginning with the 2022-2023 school year, the Associate of Science Degree program started its transition out of Normal Community High School, and into Normal Community West High School. All 8th grade students accepted into the Associate of Science Degree program will need to enroll and attend Normal Community West High School if they want to participate in the program.

The college credit hours will be earned through a combination of Advanced Placement courses (test scores of 3 or above), dual credit courses taken within Unit 5 high schools, as well as college courses taken on Heartland's campus. Tuition and fees are waived for all dual credit courses taken within Unit 5 high schools, but parents will be required to pay for coursework taken at Heartland Community College. The textbook cost is the responsibility of the parent regardless of whether the course is taught by Unit 5 staff or taught on Heartland's campus, by Heartland instructors.

For additional information about this program, including the four-year plan of study, please click on the link below.

Associate Degree Program

COMMENDATIONS ON TRANSCRIPTS

STEM DESIGNATION

Students who take eight semesters of STEM classes (see class list below) will obtain a STEM Designation. This designation can be put on resumes for high school internships as well as college applications. Students with the STEM Designation will be stronger candidates for STEM-related positions than other applicants without the designation. Participation in these classes may also result in the opportunity to collaborate with a professional mentor throughout the year. *Additional courses may be added to each group in the future. (*STEM designation will be added to transcripts after completion)

Students must take a total of 8 semesters with at least 2 semesters from each group (Group 1, 2, and 3).
TEC811/812 STEM Capstone course must be taken during a student's senior year to earn a total of 8 semesters of coursework and the STEM Designation.

Group 1: Science / Math (2 semesters from this group)

AGR101/102	Intro to Agriculture, Food & Natural Resources
AGR171/172	Animal Science [DC]
CSC151/152	Computer Science Essentials
CSC153/154	Introduction to Data and Computer Science
CSC771/772	AP Computer Science Principles [AP]
CSC781/782	AP Computer Science A (Java) [AP]
MAT811/812	STEM Trigonometry
SCI341/342	Physical Science Applications in Agriculture (PSAA)
SCI861/862	Biological Engineering
SCI811/812	Environmental Earth [DC]
STM811/812	STEM Capstone
SCI401/402	AP Biology [AP]
SCI400/409	BL AP Biology [AP]
SCI601/602	AP Chemistry [AP]
SCI600/609	BL AP Chemistry [AP]
SCI650/659	Physics (blended)
SCI651/652	Physics
SCI751/752	AP Physics C [AP]
SCI750/759	BL AP Physics [AP]
SCI801/802	Environmental Earth
SCI830/839	Earth and Space Science (blended)
SCI831/832	Earth and Space Science

Group 2: Engineering (2 semesters from this group)

TEC411/412	Introduction to Engineering Design
TEC421/422	Principles of Engineering [CTE]
TEC431/432	Civil Engineering and Architecture [CTE]
TEC561/562	Advanced Metalworking [CTE]
TEC741/742	Advanced Woodworking Technology

Group 3: Technology (2 semesters from this group)

ARG271/272	AG Mechanical Technology
CSC151/152	Computer Science Essentials
CSC153/154	Introduction to Data and Computer Science
CSC611/612	AP Cyber Security [AP]
CSC771/772	AP Computer Science Principles [AP]
CSC781/782	AP Computer Science (JAVA) [AP]
TEC081/082	Intro to Technology Concepts
TEC491/492	Intro to Animation & Rendering
TEC201/202	Video & Multimedia Technology
TEC231/232	Advanced Video & Multimedia Technology
WRK141/142	Internship Program
WRK151/152	Work Program
STM811/812	Stem Capstone

SEAL OF BILITERACY

Unit 5 Schools will offer both the Seal of Biliteracy and State Commendation toward.

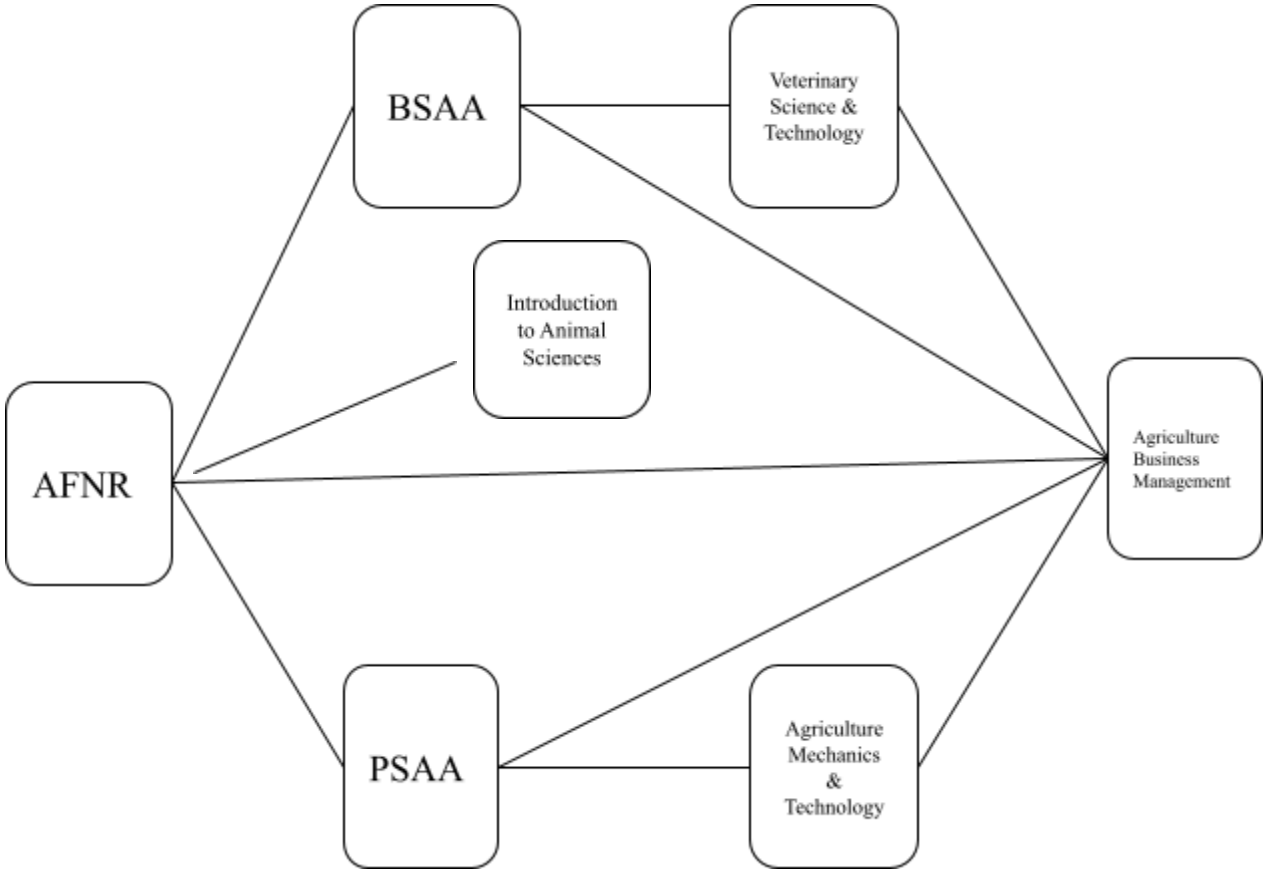
Students will qualify through demonstrating proficiency on the AP Language and Culture exam for Spanish, Chinese, French, German, Italian, Japanese as well as meeting the college readiness benchmarks for the SAT or, for students who are English Learners, by meeting the Illinois proficiency criteria on ACCESS 2.0. These criteria are set by the State of Illinois and are as follows: To qualify for the Seal of Biliteracy students must score a 4 on the AP language exam. To earn the Commendation students must score a 3 on the AP language exam in the target language. To demonstrate proficiency in English students must achieve a minimum score of 480, on the ELA section on SAT. English Learner students who are working toward the Seal may also use an overall ACCESS score of 4.8 achieved during high school.

The district will recognize students who earn the Commendation or the Seal by affixing the Seal or Commendation to the student's Diploma and placing it onto their transcript.

COLLEGE & CAREER PATHWAY ENDORSEMENT

Illinois districts can choose to offer College and Career Pathway Endorsements under the Postsecondary and Workforce Readiness Act (P.A. 99-674), which helps students move toward college and a career in a chosen field. To earn one, a student completes an individual plan covering career, postsecondary, and financial aid and literacy planning, plus two years of pathway coursework that includes 6 early college credit hours through dual credit or AP. The student also finishes two career exploration activities, two team-based challenges, and a 60-hour career development internship, and shows academic readiness in reading and math under the Illinois College and Career Readiness indicators. Students who meet every requirement get a seal on their diploma and the endorsement listed on their transcript, and Unit 5 currently offers endorsements in Education and CNA.

Agriscience & Technology



Note: See course list for prerequisites

AGRISCIENCE & TECHNOLOGY COURSE LIST

Suggested course pathways

*Meets State Consumer Education Requirement for Graduation
**Meets Graduation Requirement for a Science Credit

SUBJECT	GRADES	PREREQUISITES
Introduction to Agriculture, Food & Natural Resources (AFNR)	9, 10, 11, 12	None
**Biological Science Applications in Agriculture (BSAA)	10, 11, 12	Biology (Intro to AFNR Recommended)
**Physical Science Applications in Agriculture (PSAA)	10, 11, 12	Biology (Intro to AFNR Recommended)
Agricultural Mechanics & Technology	10, 11, 12	Intro to AFNR (Recommended)/PSAA (Highly Recommended)
Veterinary Science & Technology	11, 12	Intro to AFNR (Recommended)/BSAA (Highly Recommended)
*Agribusiness Management	11, 12	Intro to AFNR (Recommended)
Introduction to Animal Science-Dual Credit	11, 12	'*Highly recommend'* Intro to AFNR/ **BSAA (Recommended)**

AGRISCIENCE & TECHNOLOGY COURSE DESCRIPTIONS

AGR 101/102 Introduction to Agriculture, Food & Natural Resources (AFNR)
(Yearly 1 Credit) (9, 10, 11, 12)

Students participating in the Introduction to Agriculture, Food, and Natural Resources (AFNR) course will experience hands-on activities, projects, and problems. Student experiences will involve the study of communication, the science of agriculture, plants, animals, natural resources, and agricultural mechanics. While surveying the opportunities available in agriculture and natural resources, students will learn to solve problems, conduct research, analyze data, work in teams, and take responsibility for their work, actions, and learning. In addition, students will make connections between lessons, college and career readiness and their development as leaders.
**This course is designated as a STEM Concentration Course.*

SCI 331/332 BIOLOGICAL SCIENCE APPLICATIONS IN AGRICULTURE (BSAA)
(Semester ½ credit, Yearly 1 Credit) (10, 11, 12)
Prerequisites: Biology I (both semesters); Intro to AFNR (Recommended)

BSAA is designed to reinforce and extend students' understanding of science by associating basic scientific principles and concepts with relevant applications in agriculture. This course will use numerous laboratory experiments and exercises as the main instruction tool. Topics of instruction will include: Introduction to Plant & Animal Sciences, Soil & Soilless Plant Systems, Plant Anatomy & Physiology, Taxonomy, Plant & Animal Nutrition, Cells, History & Uses of Animals, Genetics & Evolution. In addition, students will make connections between lessons, college and career readiness and their development as leaders ****Meets graduation requirement for a Science credit.**

SCI 341/342 PHYSICAL SCIENCE APPLICATIONS IN AGRICULTURE (PSAA)
(Yearly 1 Credit) (10, 11, 12)
Prerequisites: Biology I (both semesters); Intro to AFNR (Recommended)

Physical Science Applications in Agriculture (PSAA) is designed to reinforce and extend students' understanding of science by associating basic physical science and engineering concepts with relevant applications in agriculture. This course will use numerous laboratory experiments, projects, and problem-solving exercises as the main instruction tools. Topics of instruction will include: Introduction to Ag, Power and Technology, Measurement, Material Properties, Energy, Machines and Structures, and Mechanical Applications. In addition, students will make connections between lessons, college and career readiness and their development as leaders. **This course is designated as a STEM Concentration Course*. ****Meets graduation requirement for a Science course.**

AGR 271/272 AGRICULTURAL MECHANICS & TECHNOLOGY
(Yearly 1 Credit) (10, 11, 12)
Prerequisites: Intro to AFNR (Highly Recommended); PSAA (Recommended)

An introduction to agricultural power and machinery (engines, power transmission including hydraulics, tillage machinery, calibrations, and harvesting equipment), agricultural electrification and applications (circuits, motors, controls, and materials handling and processing), agricultural structures (plans, loads, construction materials, and layout and design), and soil and water conservation (surveying, mapping, drainage, and conservation structures). In addition, students will make connections between lessons, college and career readiness and their development as leaders.

AGR 501/502 VETERINARY SCIENCE & TECHNOLOGY
(Yearly 1 Credit) (11, 12)
Prerequisites: Intro to AFNR (Recommended); BSAA (Highly Recommended)

This course will develop students' understanding of the small and large animal industry, animal anatomy and physiology, advanced animal nutrition and reproduction, animal ethics and welfare issues, animal health, veterinary medicine, veterinary office practices, and animal services to humans. In addition, students will make connections between lessons, college and career readiness and their development as leaders. This course does not meet graduation requirements for a Science credit and is not NCAA approved.

AGR 251/252 AGRIBUSINESS MANAGEMENT
AGR250/259 BLENDED AGRIBUSINESS MANAGEMENT
(Yearly 1 Credit) (11, 12)
Prerequisites: Intro to AFNR (Recommended)

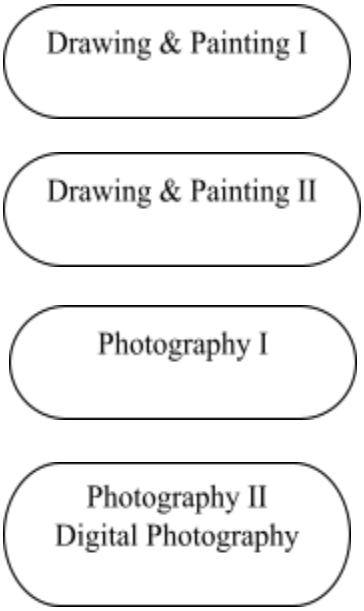
This course is designed to develop the students' business and managerial skills. Students will develop the decision making and entrepreneurial skills necessary for the operation of a successful business. Areas of study include the impact of technology on agriculture, keeping and using records, economic principles, basic business organization, financing the business, agricultural law, insuring the business, career establishment in an agricultural occupation, computer applications, marketing agricultural products and services. In addition, students will make connections between lessons, college and career readiness and their development as leaders. ****Meets State Consumer Education Requirement for Graduation.***

AGR171/172 INTRODUCTION TO ANIMAL SCIENCE – DUAL CREDIT
(Yearly 1 Credit) (11, 12)
Prerequisites: '*Highly recommend'* Intro to AFNR and/or BSAA (Recommended)

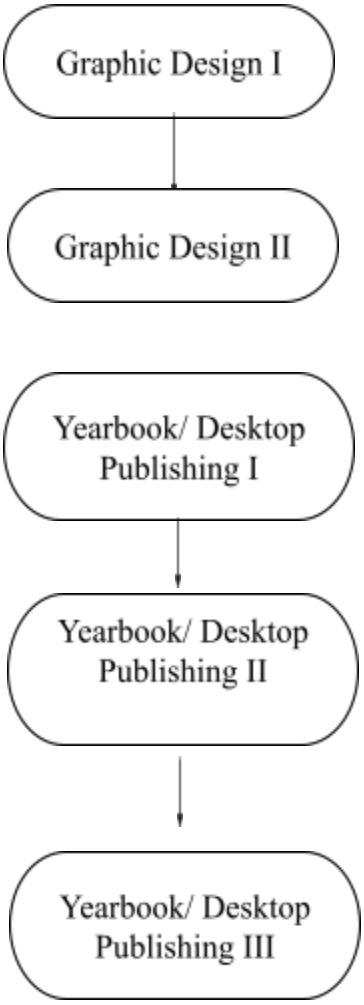
During this course, students will develop an understanding of the products produced by livestock and the methods used to determine their quality; a basic understanding of breeds, the principles of selection, growth, and evaluation; a basic understanding of animal reproduction and nutrition; and an understanding of the principles of commercial livestock production and management practices. This course does not meet graduation requirements for a Science credit and is not NCAA approved. *Heartland Community College dual credit can be achieved for Introduction to Animal Science.*

Art

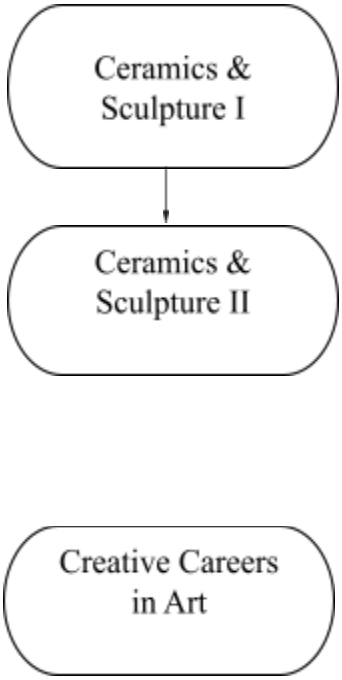
Two-Dimensional Classes



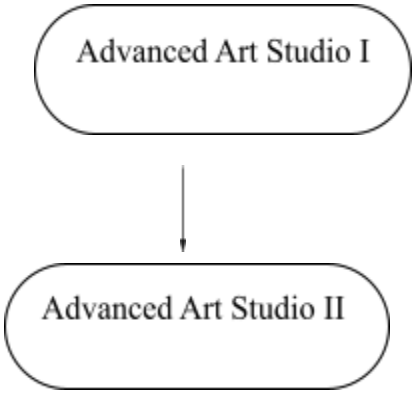
Technology Based Art Classes



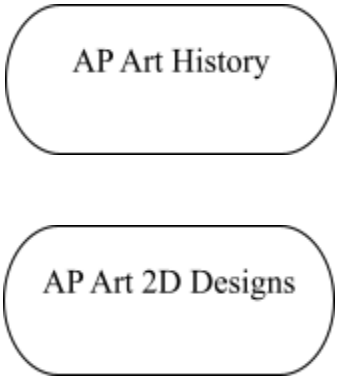
Three Dimensional Classes



2D, 3D, Tech Classes



Advanced Placement



Note: See course list for prerequisites

ART COURSE LIST

All Elective Courses

SUBJECT	GRADES	PREREQUISITES
Creative Careers in Art	9, 10, 11, 12	None
Graphic Design I	9, 10, 11, 12	None
Graphic Design II	9, 10, 11, 12	Graphic Design I
Drawing & Painting I	9, 10, 11, 12	None
Drawing & Painting II	9, 10, 11, 12	Drawing & Painting I
Ceramics & Sculpture I	9, 10, 11, 12	None
Ceramics & Sculpture II	9, 10, 11, 12	Ceramics & Sculpture I
Advanced Art Studio I	10, 11, 12	Drawing & Painting I and II or Ceramics & Sculpture I and II
Advanced Art Studio II	11, 12	Two Semesters of Advanced Art Studio I
AP Art 2D Design	11, 12	Prerequisite for Fine Arts Path: Students have 3 options to meet this: (1) Fine Arts: Advanced Art Studio I (year-long) or (2) Graphic/Digital Design: Graphic Design I/II & Photography I/II or Yearbook or (3) Photo/Digital Imaging: Photography I/II & Graphic Design I/II or Yearbook
AP Art History	11, 12	Overall 3.0 GPA
Photography I	11, 12	None
Photography II - Digital Photography	11, 12	Photography I
Yearbook/Desktop Publishing I	10, 11, 12	None
Yearbook/Desktop Publishing II	11, 12	Yearbook/Desktop Publishing I
Yearbook/Desktop Publishing III	12	Yearbook/Desktop Publishing I & II

ART COURSE DESCRIPTIONS

ART 061/062 CREATIVE CAREERS IN ART
(Semester ½ Credit) (9, 10, 11, 12)

The purpose of this course is to introduce students to a variety of viable career options in the visual arts. Students will spend time exploring and engaging with different media, techniques, and processes that are prevalent in many art-based career paths. This course will be offered both semesters.

ART 121/122 GRAPHIC DESIGN I
(Semester ½ Credit) (9, 10, 11, 12)

Graphic Design is designed to give students an introduction to the world of graphic art. Students will learn to create Graphic Design using the same tools and techniques as professional designers. The course divides graphic art into three areas: 1) Page layout, 2) Digital illustration, and 3) Photo enhancing. Students will learn to use professional software applications in those three areas. Students will gain experience useful in careers in journalism, graphic design, photography, printing, and communications. This course will be offered both semesters.

ART 131/132 GRAPHIC DESIGN II
(Semester ½ Credit) (9, 10, 11, 12)
Prerequisite: Graphic Design I

This course continues to include giving students experience in creating graphic art works. In this class, students continue to use the same tools and techniques as professional designers, but use role-playing and problem-based learning to solve design problems for real-world companies and organizations. Students will learn more about specific graphic designers, and the career itself. Students will build upon prior knowledge in Graphic Design I to engage in more complex decision-making. The course divides graphic design into three areas: 1) Page layout, 2) Digital illustration, and 3) Photo enhancing. Students will learn to use professional software applications in those three areas. Students will gain experience useful in careers in graphic design, advertising, marketing, photography, printing, journalism, and communications.

ART 151/152 DRAWING & PAINTING I
(Semester ½ Credit) (9, 10, 11, 12)

This course will focus on a variety of drawing and painting methods and techniques to help students develop their basic skills in Drawing and Painting. Students will review the elements and principles of design and support those concepts with historical and cultural examples. This introduction will allow students to find individual areas of interest, so they can further pursue those areas of interest. This course will be offered both semesters.

ART 161/162 DRAWING & PAINTING II
(Semester ½ Credit) (9, 10, 11, 12)
Prerequisite: Drawing & Painting I

Drawing and Painting II focuses on allowing students the opportunity to expand on areas they learned about in Drawing and Painting I. The course introduces students to more complex drawing and painting tools, techniques and media. This course continues to include art history, aesthetics, criticism, and production. Students will find themselves doing more independent problem solving. The course is designed for students who want to continue their painting and drawing experience. This course will be offered both semesters.

ART 201/202 CERAMICS & SCULPTURE I
(Semester ½ Credit) (9, 10, 11, 12)

This course will review elements and principles of design as they relate to three-dimensional problem solving. Students will work with a variety of media and learn the basic skills used to create three-dimensional artwork. Concepts will be supported with artwork from other cultures and historical periods.

ART 211/212 CERAMICS & SCULPTURE II
(Semester ½ Credit) (9, 10, 11, 12)
Prerequisite: Ceramics & Sculpture I

This course will allow students an opportunity to expand on what they learned in Ceramics & Sculpture I. This course introduces students to more complex Ceramics and Sculpture tools, techniques and media. This course continues to include art history, aesthetics, criticism, and production. Students will find themselves doing more student directed problem solving and study.

ART 251/252 ADVANCED ART STUDIO I
(Semester ½ Credit; Yearly 1 Credit) (10, 11, 12)
Prerequisite: Drawing and Painting I and II, or Ceramics and Sculpture I and II

This course will allow students to further their art making abilities in creating two-and-three dimensional artworks. This course includes art history, aesthetics, criticism, and production using two-and-three dimensional materials. Students will utilize the elements of art and principles of design and support those concepts with historical and cultural examples. Students will create a portfolio of artwork.

ART 301/302 ADVANCED ART STUDIO II
(Semester ½ credit; Yearly 1 Credit) (11, 12)
Prerequisite: Two semesters of Advanced Art Studio I

After completing two semesters of Advanced Art Studio I, students may take Advanced Art Studio II for a full year. This course includes art history, aesthetics, criticism, and production using two-and-three dimensional materials. Students will build upon prior art knowledge to engage in more complex decision making. They will analyze and evaluate their own artworks and the artworks of others. Students will develop an artistic style as they communicate visually in response to the world around them. Students will complete their art portfolio.

ART 811/812 ADVANCED PLACEMENT ART 2D DESIGN
(Yearly 1 Credit) (11, 12) (AP Level)
Prerequisite (students have 3 options to meet this):
(1) Fine Arts: Advanced Art Studio I (year-long) or
(2) Graphic/Digital Design: Graphic Design I/II & Photography I/II or Yearbook or
(3) Photo/Digital Imaging: Photography I/II & Graphic Design I/II or Yearbook

This course is equivalent to a first-year college 2D studio class. In this course students will develop a portfolio that is personal to their individual talents and interests, while demonstrating mastery of 2-D design principles. Students will demonstrate mastery through any two-dimensional medium or process, such as graphic design, digital imaging, photography, collage, fabric design, weaving, fashion design, fashion illustration, painting and printmaking. They will develop technical skills and knowledge of visual elements to create an individual portfolio of work for evaluation at the end of the course. Those who reach a high level of proficiency in this course should be able to gain advanced standing in college art/humanities, depending on college requirements.

ART 311/312 ADVANCED PLACEMENT ART HISTORY
(Yearly 1 Credit) (11, 12) (AP Level)
Prerequisite: An overall grade point average of 3.0

This course is equivalent to a first-year college lecture-based art history class. Students should have a strong interest in art history. This course will provide an understanding and knowledge of architecture, culture, painting, and other art forms within historical and cultural contexts. Students will critically analyze historical and contemporary artworks from a variety of cultures. The course includes topics found at the AP Art History exam that students may choose to take in the spring. Exam location and costs will be made available during the year. Those who reach a high level of proficiency in this course should be able to gain advanced standing in college art history, depending on college requirements.

ART 351/352 PHOTOGRAPHY I
(Semester ½ Credit) (11, 12)

In this course, black and white photography will be taught as a form of visual communication. Students will learn to use a 35 mm manual camera, develop film and develop black and white photographs in the darkroom. No prerequisite is required; however, it is suggested that students have some kind of art or design related background. The photography course will follow a prescribed outline with the majority of the work being confined to the classroom.

ART 361/362 PHOTOGRAPHY II – DIGITAL PHOTOGRAPHY
(Semester ½ credit) (11, 12)
Prerequisite: Photography I

Students will continue their exploration of photography through electronic media. Techniques and applications learned in Photo I will be expanded by acquiring, manipulating and outputting digitized images utilizing DSLR (digital single-lens reflex) cameras and Adobe Photoshop and iPhoto. This course will continue the visual communication processes essential to photography and other art fields of study. For example: design, photo journalism and advertising. Emphasis will be placed on the manual operation of the digital camera. DSLRs will be used by the students in the class.

ART 961/962 YEARBOOK/DESKTOP PUBLISHING I
ART 960/969 BLENDED YEARBOOK/DESKTOP PUBLISHING I
(Yearly 1 Credit) (10, 11, 12)

Course content is designed to combine English communication skills with graphic art, photography, design and computer skills, all in a team-taught setting. Students will study how to interview, research, organize, and write stories for publication. Students will also learn graphic art concepts, as well as how to use desktop publishing software to design a publication. Emphasis will be on hands-on training as students will be responsible for producing the high school yearbook. Because of its production nature, students in the course should be able to work independently on assignments and to meet deadlines and work outside of class to complete all the tasks necessary in publishing a yearbook. The course is designed for students interested in writing for publication, as well as students who are interested in exploring the computer graphic arts field.

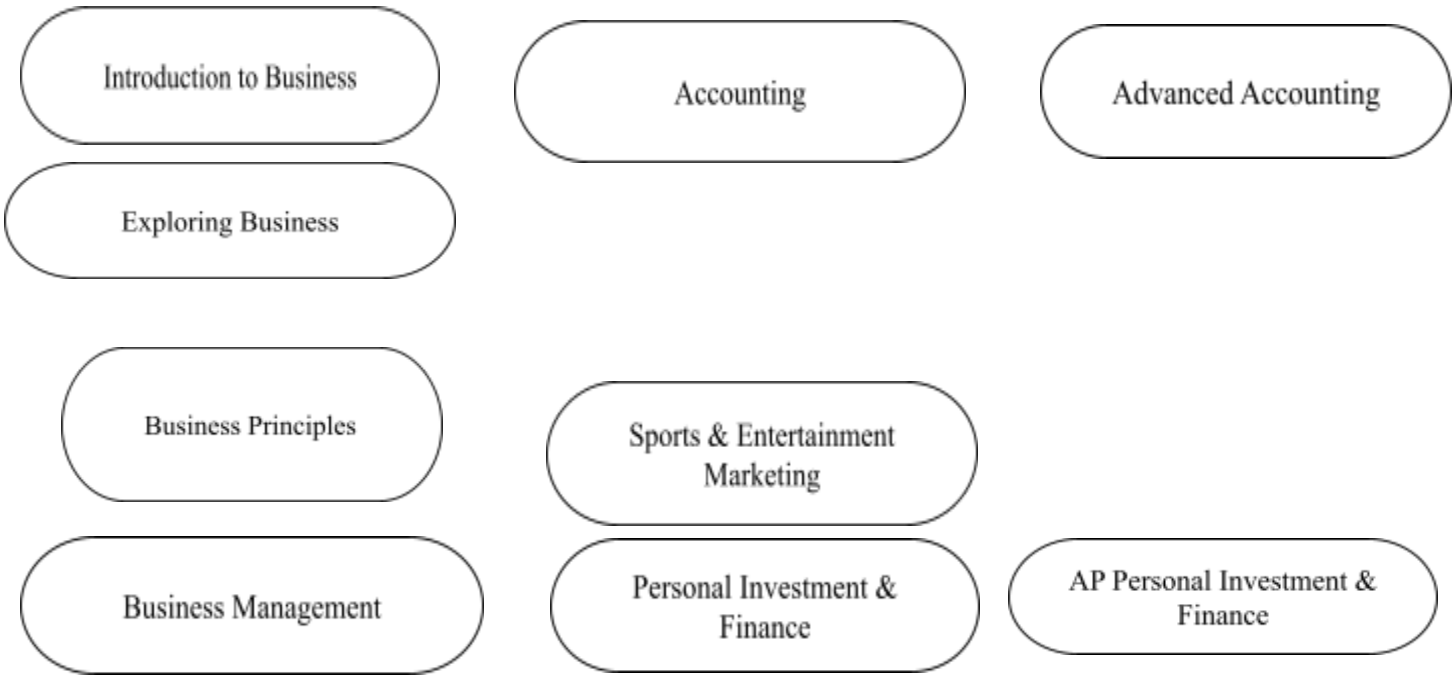
ART 971/972 YEARBOOK/DESKTOP PUBLISHING II
ART 970/979 BLENDED YEARBOOK/DESKTOP PUBLISHING II
(Yearly 1 Credit) (11, 12)
Prerequisite: Yearbook/Desktop Publishing I

Students in this course may serve as part of the Editorial Board of the yearbook. They will also take on the additional planning, writing, designing, and supervising tasks required of editors.

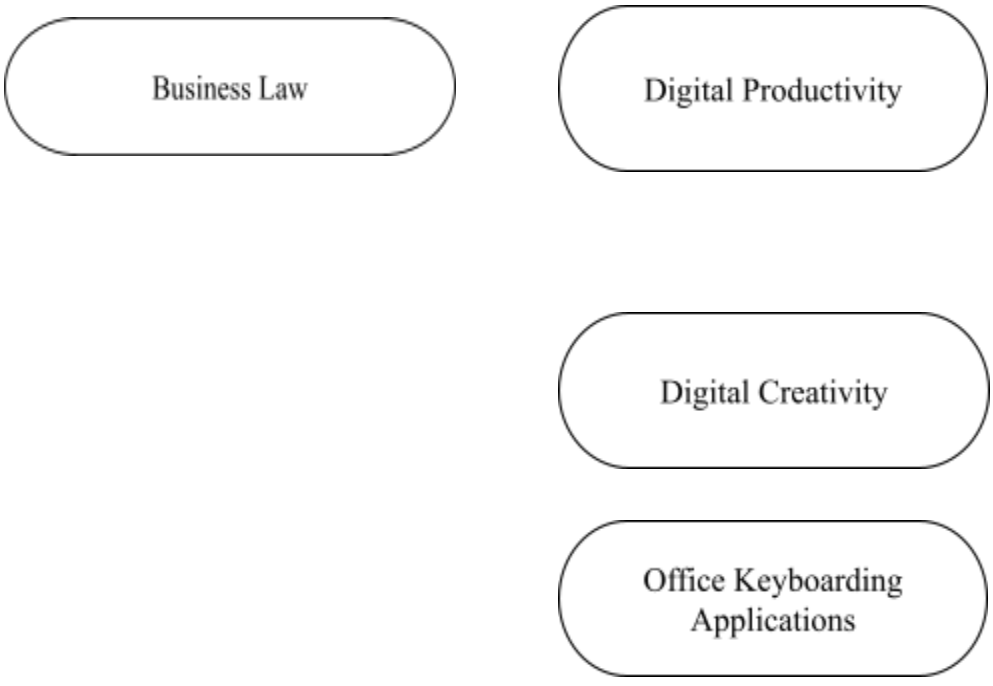
ART 981/982 YEARBOOK/DESKTOP PUBLISHING III
ART 980/989 BLENDED YEARBOOK/DESKTOP PUBLISHING III
(Yearly 1 Credit) (12)
Prerequisite: Yearbook /Desktop Publishing I & II

Students in this advanced level Desktop Publishing class may assume the positions of greatest responsibility on the Yearbook Editorial Board. They will be ultimately responsible for all production aspects of the school yearbook. They will also perfect their skills in additional phases of Desktop Publishing, including special graphics and drawing programs.

Business Course Sequence



Business Computer Course Sequence



BUSINESS COURSE LIST

*Meets State Consumer Education Requirement for Graduation

SUBJECT	GRADES	PREREQUISITES
Introduction to Business*	9, 10	None
Digital Productivity	9, 10, 11, 12	None
Office Keyboarding Applications	9, 10, 11, 12	None
Digital Creativity	9, 10, 11, 12	None
Accounting	10, 11, 12	None
Sports & Entertainment Marketing	10, 11, 12	None
Business Law	10, 11, 12	None
Advanced Accounting	11, 12	“C” or higher in Accounting
Business Management	11, 12	None
Personal Investment and Finance*	11, 12	None
Business Principles [DC]	12	Recommended 1 year of "upper level" Business courses (not including Introduction to Business or our computer classes)
Exploring Business	9, 10	None
AP Business with Personal Finance	11, 12	None

BUSINESS COURSE DESCRIPTIONS

BUS 051/052 INTRODUCTION TO BUSINESS
(Yearly 1 Credit) (9, 10)
Prerequisite: None

This is a **one-year** course designed to teach students essential life skills necessary for success in today's world. This course includes basic knowledge of our economy, how it functions and the role of the consumer. Topics covered include basic business, banking, budgeting money, career planning, insurance, investing, saving, taxes and using credit wisely. Concepts of insurance, finance, accounting, marketing, management, and business organization are also introduced. There is an emphasis on emerging business technologies, professionalism, and maintaining positive business interactions within the classroom. ***Successful completion of Introduction to Business fulfills the State Consumer Education Requirement for high school graduation.***

BUS101/102 EXPLORING BUSINESS
1 semester, 0.5 credits
Grade 9, 10
Prerequisite: None

Explore the exciting world of business through hands-on activities, creative projects, and real-world experiences! This one-semester course introduces students to a variety of business topics, including entrepreneurship, management, marketing, digital creativity, accounting, personal finance, investing, and business law. Students will have the opportunity to develop their own business ideas while exploring what it takes to start, operate, and promote a successful business. Through interactive activities, simulations, competitions, and collaborative projects, students will create advertisements, explore the stock market, make financial decisions, and investigate real-world business challenges. This course emphasizes creativity, teamwork, problem-solving, and practical life skills while helping students discover their interests and future opportunities in the world of business. ***Students can take Exploring Business or Introduction to Business. Not both.***

BUS 111/112 DIGITAL PRODUCTIVITY
(Semester ½ Credit) (9, 10, 11, 12)
Prerequisite: None

In this **one-semester** computer course, students will be introduced to features of Microsoft Word, Excel, PowerPoint and Access that they will use in college and/ or career. This course also includes the integration of social media applications that would be used in a business setting to promote a product or service. Applications will focus on a variety of effective and visually appealing activities/projects to help increase students' success in high school, college and the workplace.

BUS 211/212 DIGITAL CREATIVITY
(Semester ½ Credit) (9, 10, 11, 12)
Prerequisite: None

In this **one-semester** computer course, students will focus on creating interesting and polished marketing materials that a business would use to promote their company and their products/services. These materials include app/logo creation, promotional materials like tv, radio, and magazine ads, and websites/social media platforms. Students will learn the basics of programs such as Adobe Photoshop, Illustrator, and InDesign, audio and video editing, and web design coding to help complete their projects. Students will also have the opportunity to work with specialized hardware such as tablets, poster printers and vinyl-sticker cutters.

BUS 301/302 OFFICE KEYBOARDING APPLICATIONS
(Yearly 1 Credit) (9, 10, 11, 12)
Prerequisite: None

This is a **one-year** course designed for students to learn fundamental keyboarding skills at a slower, more detailed pace. Skill is developed in controlling the keyboard and operative parts of the computer. In addition to developing keyboarding speed and accuracy skills, students will be introduced to the basics of Microsoft Word, Excel, PowerPoint, & Publisher. Applications will focus on a variety of effective and visually appealing activities/projects to help increase students' success in all areas of academics and careers. All work is completed during class. Successful completion of this course is a prerequisite for Computer Applications II.

BUS 501/502 ACCOUNTING
(Yearly 1 Credit) (10, 11, 12)
Prerequisite: None

The practices and procedures of accounting for sole proprietorships, partnerships, and corporations are introduced in this **one-year** course. Hands-on techniques help students learn to apply the principles of the accounting cycle in a variety of business settings. Special emphasis is placed on the analysis of financial transactions, the use of journals and ledgers, and the development and completion of financial statements. Methods for calculating depreciation, inventory levels, interest, and taxes are also incorporated through the use of realistic problems and simulations. This course utilizes an online workbook and accounting software and is taught in a computer lab to enhance the professional learning experience. Accounting is an essential course choice if you plan on majoring in any area of business at the collegiate level.

BUS 551/552 ADVANCED ACCOUNTING
BUS 550/559 BLENDED ADVANCED ACCOUNTING
(Yearly 1 Credit) (11, 12)
Prerequisite: "C" or higher in Accounting

This **one-year** course is designed for students with either of the following objectives: (1) going to college and majoring in any area in the field of business, or (2) entering the workforce possessing the ability to analyze financial statements and make wise financial decisions, both professionally and personally. Advanced Accounting enhances student knowledge of concepts, practices, techniques, and theories related to the double-entry accounting system learned in Accounting and takes basic understanding of financial accounting to a deeper level. In addition, Advanced Accounting introduces students to management and cost accounting topics, giving students a more thorough and challenging accounting experience and resulting in a rock-solid foundation of business and accounting concepts and principles.

BUS 601/602 BUSINESS MANAGEMENT
(Semester ½ Credit) (11, 12)
Prerequisite: None

This **one-semester** course will teach students the administrative side of business and examine how business institutions operate in our modern political, social, and economic and technology rich society. Course content will provide a general background in the elements and characteristics of business enterprise, including business organization, advertising, investing, marketing, entrepreneurship, employee management, and other related topics. There is much analysis of real-world business decisions and a focus on current events in the business world. Global commerce and communication will also be discussed. Students will learn to utilize specialized technology to enhance understanding of the business world and its importance in running a successful business. Students will have the opportunity to research bringing new franchises to Bloomington-Normal and participate in a semester-long project that allows them to design their own business.

BUS 611/612 SPORTS & ENTERTAINMENT MARKETING
BUS 610/619 BLENDED SPORTS & ENTERTAINMENT MARKETING
(Semester ½ Credit) (10, 11, 12)
Prerequisite: None

Explore marketing and advertising through the exciting world of sports and entertainment! This **one-semester** course will teach students the ways that different companies and products are priced, placed, and promoted. Types of promotion covered include advertising, personal selling, and public relations. Learn to conduct market research including identifying target markets and ways to reach that group through various forms of communication. Analyze the way that advertising and marketing are used by businesses to influence customer actions. The marketing portion of a business plan is taught so that students will be able to "sell" their ideas to others. This class focuses upon real world examples, specifically those from the sports and entertainment realm.

BUS 701/702 BUSINESS LAW
(Semester ½ Credit) (10, 11, 12)
Prerequisite: None

Business Law is a **one-semester** course open to sophomores, juniors and seniors. This course provides opportunities to explore the influences of the legal system on American business and industry as well as personal life. Topics include foundations of the

U.S. legal system, civil and criminal law, contract law and more. Analysis of real-world cases, discussion of current events, participation in mock trials, and a field trip to the Law and Justice Center, help provide practical life experiences.

BUS 721/722 PERSONAL INVESTMENT & FINANCE
BUS 720/729 BLENDED PERSONAL INVESTMENT & FINANCE
(Semester ½ Credit) (11, 12)
Prerequisite: None

This **one-semester** course will give students a firm grasp of money management and various investing techniques, as well as provide the college-bound student with an excellent foundation for post-secondary business classes. The ability to manage one's personal finances on a daily basis, as well as set long term goals, is a valuable skill for students to possess. The process of making educated and informed decisions while taking charge of one's financial future will be discussed in depth. Units of study include the following: budgeting, comparison pricing, taxes, credit, insurance, health care, housing, transportation, investments, consumer purchasing, and financial services. Various technological components are integrated throughout the curriculum.
Successful completion of Personal Investment & Finance fulfills the State Consumer Education Requirement for high school graduation.

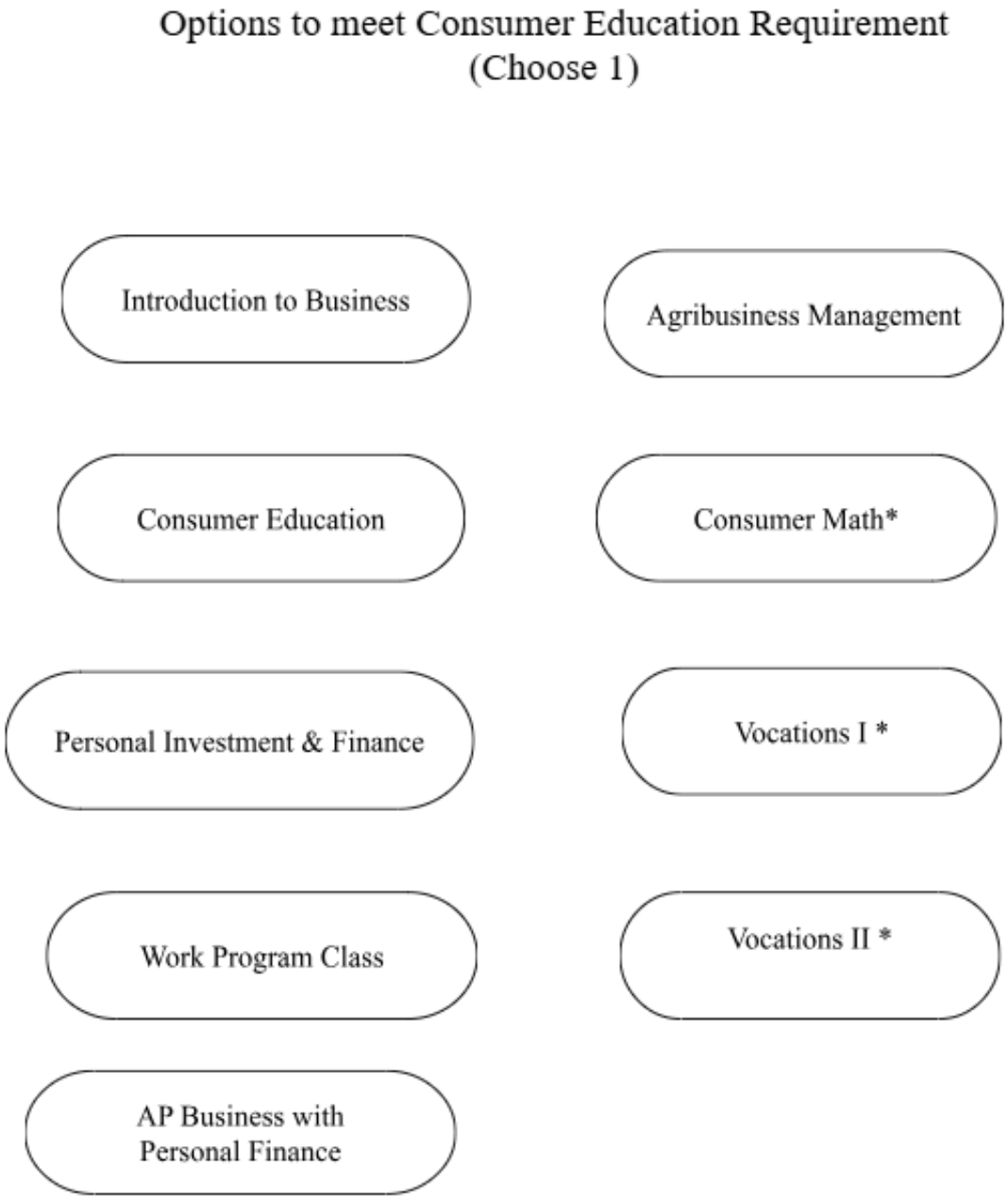
BUS621/622 BUSINESS PRINCIPLES - DUAL CREDIT
1 semester, 0.5 credits
Grade 12
Prerequisite: Recommended 1 year of "upper level" Business courses (not including Introduction to Business or our computer classes)

This course focuses on clarifying the complexities of the business world while enhancing students' skills in critical thinking, problem solving, diversity, and communication; thus providing them with necessary tools for business success. Within a framework of professionalism, ethical decision making, and responsibility, students will assess the global, economic, social, technological, and political environments impacting business. In addition, students will examine the essential elements of organizational structure, marketing, management, accounting, and financial decision-making.

BUS731/732 AP BUSINESS WITH PERSONAL FINANCE
1 year, 1.0 credit
Grade 11, 12
Prerequisite: None

This one-year, college-level course provides students with an in-depth understanding of the business world while developing essential personal financial management skills. Students will explore major areas of business and examine personal finance topics such as budgeting, saving, investing, credit, borrowing, and planning for future financial goals. Through real-world case studies, collaborative activities, and hands-on projects, students will analyze business challenges, develop innovative ideas, and make informed financial and business decisions. As part of the AP Career Kickstart program, students will have the opportunity to earn college credit through the AP Exam and an employer-endorsed credential demonstrating business and financial literacy skills.

Consumer Education



CONSUMER EDUCATION

Successful completion of any of the following courses/programs fulfills the
State of Illinois Consumer Education requirement for high school graduation:

BUS 051/052 INTRODUCTION TO BUSINESS
(Yearly 1 Credit) (9, 10)
One-year course designed to give students a general knowledge of our economy, how it functions and the role of the consumer in our private enterprise system. Consumer topics include effective money management techniques, using credit wisely, banking functions and procedures, and career opportunities. Concepts of insurance, finance, marketing, management, personnel relations, and business organization are introduced**.**

CON 151/152 CONSUMER EDUCATION
(Semester ½ Credit) (11, 12)
Financial Independence… Consumer Education prepares you for life on your own. Through hands-on applications, students will learn to be informed consumers in the marketplace. They will practice money management including budgeting, comparing financial institutions, and completing 1040 Tax Forms. There will be opportunities to understand checking and savings accounts, positive and negative consequences of credit, taxation, insurance and investing. Application of budgeting principles will be applied to transportation, food, clothing and housing purchases. This is the course that sets you on the path to Financial Independence!

BUS 721/722 PERSONAL INVESTMENT & FINANCE
BUS 720/729 BLENDED PERSONAL INVESTMENT AND FINANCE
(Semester ½ Credit) (11, 12)
This **one-semester** course will give students a firm grasp of money management and various investing techniques, as well as provide the college-bound student with an excellent foundation for post-secondary business classes. The ability to manage one's personal finances on a daily basis, as well as set long term goals, is a valuable skill for students to possess. The process of making educated and informed decisions while taking charge of one's financial future will be discussed in depth. Units of study include the following: budgeting, comparison pricing, taxes, credit, insurance, health care, housing, transportation, investments, consumer purchasing, and financial services. Various technological components are integrated throughout the curriculum.

WRK 101/102 WORK PROGRAM (CLASS)
WRK 100/109 BLENDED WORK PROGRAM (CLASS)
(Yearly 1 Credit) (11, 12)
Prerequisite: Must enroll in WRK151/152
Workplace competencies and foundation skills such as orientation to a new job, interpersonal relationships, communication skills, evaluations, self-management, decision-making, critical thinking, responsibilities, labor laws, money management, income tax, career exploration, and entrepreneurship are covered and related to real-world working situations. Second year work program students cannot take WRK 101/102.

AGR 251/252 AGRIBUSINESS MANAGEMENT
AGR 250/259 **(Yearly 1 Credit) (11, 12)**
This course is designed to develop the students' business and managerial skills. Students will develop the decision making and entrepreneurial skills necessary for the operation of successful business. Areas of study include the impact of technology on agriculture, keeping and using records, economic principles, basic business organization, financing the business, agricultural law, insuring the business, career establishment in an agricultural occupation, computer applications marketing agricultural products and services, aquaculture, wildlife conservation, economic principles of livestock production, food science, genetics applications in agriculture, advanced care and health management of animals and their environment, and agricultural engineering and mechanizations.

SPL 441/442 CONSUMER MATH
(Yearly 1 Credit) (11, 12) (IEP Team Recommendation)
This math course stresses consumer skills. Students who complete this course will be exposed to important consumer math skills necessary to function independently in society. This course will count as a Consumer Education credit.

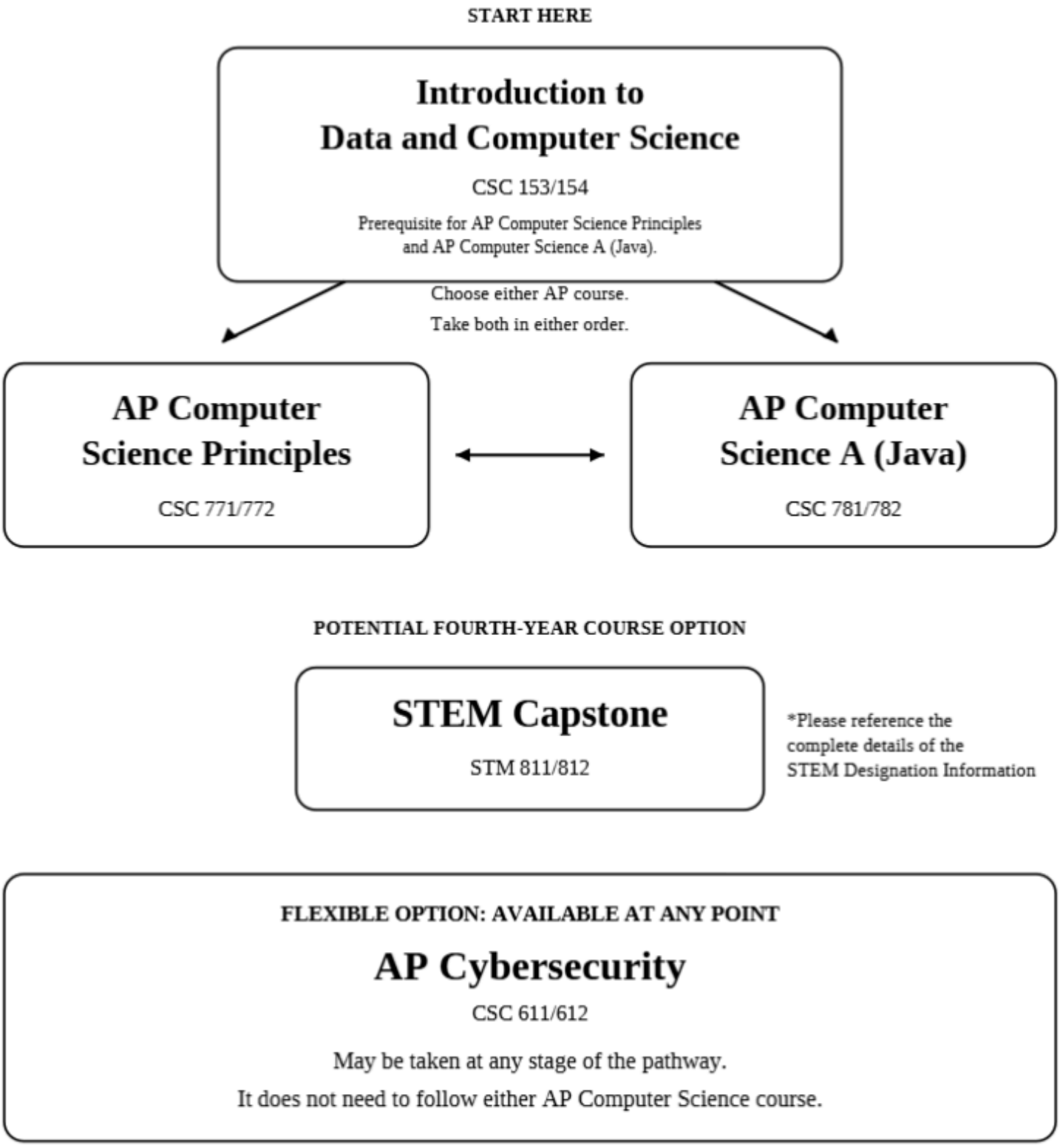
SPV 101/102 VOCATIONS 1
(Classroom: Yearly 1 Credit) (11, 12) (IEP Team Recommendation)
This is the introductory course which focuses on basic entry level employment skills. Topics include, but are not limited to: job search, completing job applications, interview preparation, the unwritten rules of the work environment, career exploration, job safety, cooperation, basic employability skills. This course is designed to offer introductory skills for employability. **This course must be taken in conjunction with a training site.**

SPV 111/112 VOCATIONS II
(Classroom: Yearly 1 Credit) (11, 12) (IEP Team Recommendation)
This course focuses on the 12 employability skills recognized by adult service agencies. Topics include, but are not limited to: job preparation, job seeking skills, getting to know your strengths and weaknesses, career research, interviewing, resume writing, human relations, taxes, managing your money, growing vocationally for transition. Student participation in this course offers exposure to skills for employability. **This course must be taken in conjunction with a training site.**
**Students who take Vocations II a second year will have the option of enrolling in Training Sites only, this is an IEP team decision. **

BUS731/732 AP BUSINESS WITH PERSONAL FINANCE
1 year, 1.0 credit
Grade 11, 12
Prerequisite: None

This one-year, college-level course provides students with an in-depth understanding of the business world while developing essential personal financial management skills. Students will explore major areas of business and examine personal finance topics such as budgeting, saving, investing, credit, borrowing, and planning for future financial goals. Through real-world case studies, collaborative activities, and hands-on projects, students will analyze business challenges, develop innovative ideas, and make informed financial and business decisions. As part of the AP Career Kickstart program, students will have the opportunity to earn college credit through the AP Exam and an employer-endorsed credential demonstrating business and financial literacy skills.

Data and Computer Science



DATA AND COMPUTER SCIENCE COURSE LIST

Elective Courses

**Meets graduation requirements for either elective credit or mathematics credit, but cannot count toward both.

Only one of the *designated* AP Computer Science courses may count toward mathematics graduation requirements.

SUBJECT	GRADES	PREREQUISITES
Introduction to Data and Computer Science	9, 10, 11, 12	None
AP Cybersecurity	9, 10, 11, 12	None
AP Computer Science Principles**	10, 11, 12	Passing grade in Introduction to Data and Computer Science and a "C" or higher in Algebra 1 Note: Computer Science Essentials also meets prerequisite
AP Computer Science A (Java) **	10, 11, 12	Passing grade in Introduction to Data and Computer Science and a "C" or higher in Algebra 1 Note: Computer Science Essentials also meets prerequisite

DATA AND COMPUTER SCIENCE COURSE DESCRIPTIONS

CSC 153/154 INTRODUCTION TO DATA AND COMPUTER SCIENCE
(Yearly 1 Credit) (9, 10, 11, 12)
Prerequisite: None

Introduction to Data and Computer Science introduces students to the foundational concepts and practices of computer science through hands-on, problem-based learning. Students develop computational thinking and programming skills by designing and evaluating algorithms, progressing from block-based programming to Python, and applying concepts such as variables, conditionals, loops, functions, and data structures. Students also explore data analysis, artificial intelligence, and the responsible design and use of computing technologies. Through programming challenges and performance-based projects, students learn to develop, test, refine, and communicate computational solutions to real-world problems.

**This course is designated as a STEM Concentration Course.*

CSC 611/612 ADVANCED PLACEMENT CYBERSECURITY
(Yearly 1 Credit) (9, 10, 11, 12)
Prerequisite: None

AP Cybersecurity is part of College Board's AP Career Kickstart courses, designed to bring the nationally recognized college credit opportunities of AP to the applied learning of career and technical education. This foundational yearlong course is designed to be equivalent to a one-semester, college-level introduction to cybersecurity. Developed in partnership with college faculty and industry leaders, the course aligns with the NICE Workforce Framework for Cybersecurity and introduces students to foundational concepts and practices in the field. Students explore defense-in-depth strategies, which use multiple layers of protection to secure systems. They examine vulnerabilities, attacks, mitigation strategies, and detection methods across physical spaces, computer networks, devices, applications, and data. Course content is organized into five units: Introduction to Security, Securing Spaces, Securing Networks, Securing Devices, and Securing Applications and Data. Throughout the course, students develop the cybersecurity skills needed to analyze and mitigate risks, detect attacks, and collaborate on solutions. They also build professional skills by communicating key cybersecurity concepts, investigating problems, assessing impacts on systems, and implementing solutions.

**This course is designated as a STEM Concentration Course*.

CSC 771/772 ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES
(Yearly 1 Credit) (10, 11, 12)
Prerequisite: Passing Grade in Introduction to Data and Computer Science (or Computer Science Essentials) and "C" or higher in Algebra 1

AP Computer Science Principles is an introductory, college-level course that explores the breadth of computer science and how computing supports creativity, solves problems, and shapes the world. Students design and evaluate solutions by developing algorithms and programs, use abstraction to manage complexity, and analyze data to discover new knowledge. They investigate how computing innovations, systems, and networks, including the Internet, work and examine their impacts on society. Course content is organized around five big ideas: Creative Development, Data, Algorithms and Programming, Computing Systems and Networks, and Impact of Computing. Throughout the course, students develop computational thinking skills by designing solutions, implementing algorithms, incorporating abstractions, testing and refining code, and investigating computing innovations. They also build communication and collaboration skills while examining privacy, security, and ethical issues and contributing to an inclusive, safe, and responsible computing culture.

**This course is designated as a STEM Concentration Course*

****This AP Computer Science course can count toward the 3-year Math graduation requirement.**

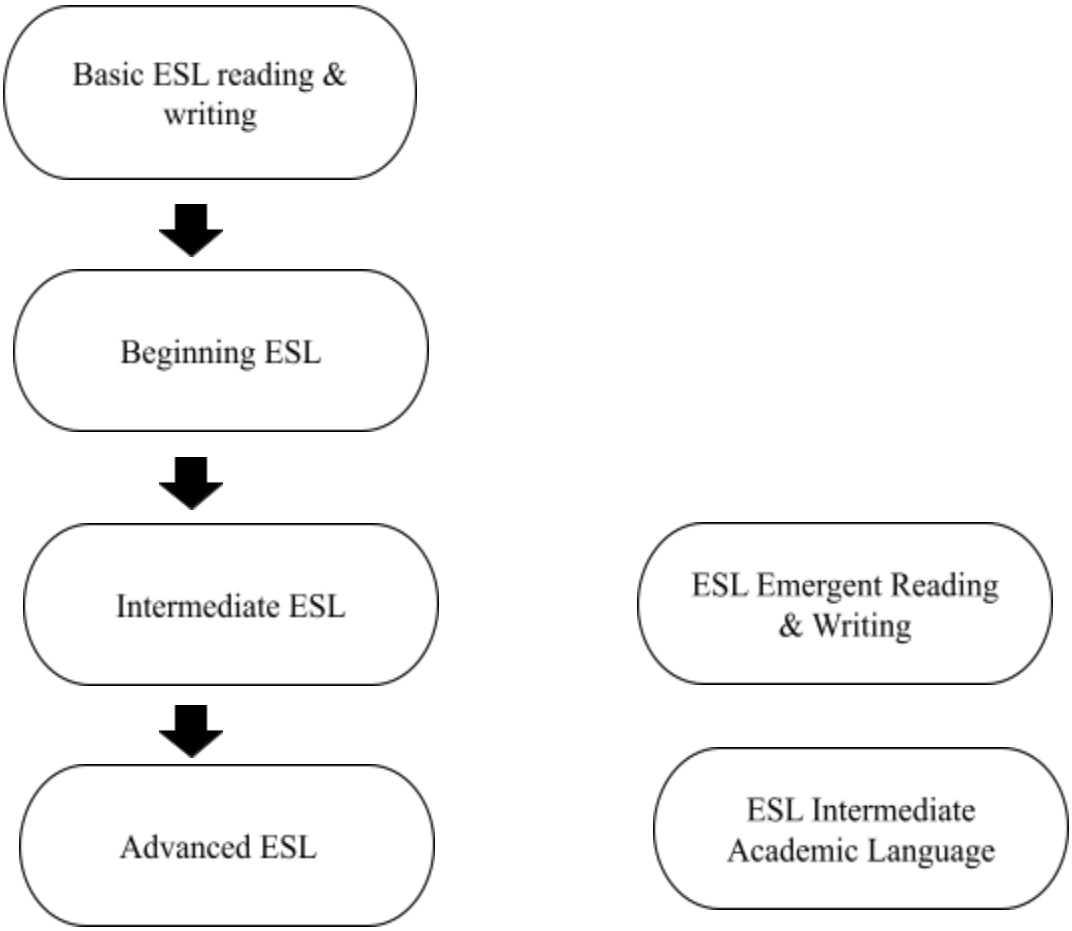
CSC 781/782 ADVANCED PLACEMENT COMPUTER SCIENCE A (Java)
(Yearly 1 Credit) (10, 11, 12)
Prerequisite: Passing Grade in Introduction to Data and Computer Science (or Computer Science Essentials) and "C" or higher in Algebra 1

AP Computer Science A is an introductory, college-level course focused on object-oriented programming and problem-solving using the Java programming language. The course complements AP Computer Science Principles by emphasizing program design and development. Students may take the two courses in any order. Students learn to design solutions, develop algorithms, and write programs using objects, methods, and classes. They explore how selection and iteration control program behavior and how data collections organize and support the use of information. Course content is organized into four units: Using Objects and Methods, Selection and Iteration, Class Creation, and Data Collections. Throughout the course, students develop computational thinking skills by designing, writing, implementing, and analyzing code. They learn to determine program results, explain unexpected behavior, and document how programs work and the conditions that produce specific outcomes. Students also examine the ethical and social implications of computer use and develop responsible computing practices.

**This course is designated as a STEM Concentration Course*

****This AP Computer Science course can count toward the 3-year Math graduation requirement.**

Supported English Studies
(NCHS Only)



SUPPORTED ENGLISH STUDIES COURSE LIST

SUBJECT	GRADES	PREREQUISITES
Basic ESL Reading & Writing		Demonstrated limited English ability through formal assessment
Beginning ESL		Basic ESL or demonstrated limited English ability through formal assessment
Intermediate ESL		Basic ESL and Beginning ESL or demonstrated limited English ability through formal assessment
Advanced ESL		Basic ESL, Beginning ESL, and Intermediate ES, or demonstrated limited English ability through formal assessment
ESL Emergent Reading & Writing		None
ESL Intermediate Academic Language		None

ENGLISH AS A SECOND LANGUAGE COURSE DESCRIPTIONS

ENG 021/022 BASIC ESL READING & WRITING
(Yearly 1 Credit)

Beginning level class for English learners. The course is intended to address the social and academic English and study skill needs of the students. The course emphasizes the Entering and Beginning English skills of listening, speaking, reading and writing as identified by WIDA proficiency levels and standards. Criteria for eligibility: the student has demonstrated on either the WIDA screener or the previous school year ACCESS for ELLs standardized assessment an Entering or Beginning level of English proficiency, and is enrolled in the district's Transitional Program of Instruction. This course is appropriate for students with overall WIDA screener or ACCESS test scores of 1.0-1.9.

ENG 031/032 BEGINNING ESL
(Yearly 1 Credit)
Prerequisite: ENG 021/022 or demonstrated limited English ability through formal assessment

Beginning and developing level class for English Learners. This course is intended to address the social and academic English and study skills needs of the students. The course emphasizes the Beginning and Developing English skills of listening, speaking, reading, and writing as identified by WIDA proficiency levels and standards. Criteria for eligibility: The student has demonstrated on either the ACCESS for ELLs screener or the previous school year ACCESS for ELLs standardized assessment a Beginning or Developing level of English proficiency and is enrolled in the district's Transitional Program of Instruction. This course is appropriate for students with overall WIDA screener or ACCESS scores of 2.0-2.9 or successful completion of ESL 1.

ENG 081/082 INTERMEDIATE ESL
(Yearly 1 Credit)
Prerequisite: Basic ESL and Beginning ESL or demonstrated limited English ability through formal assessment

Developing and Expanding level class for English Learners.
This course is intended to address the social and academic English and study skills needs of the students. The course emphasizes the Developing and Expanding English skills of listening, speaking, reading, and writing as identified by WIDA proficiency levels and standards. Criteria for eligibility: The student has demonstrated on either the ACCESS for ELLs screener or the previous school year ACCESS for ELLs standardized assessment a Developing or Expanding level of English proficiency and is enrolled in the district's Transitional Program of Instruction. This course is appropriate for students with overall WIDA screener or ACCESS scores of 3.0-3.9 or successful completion of ESL 2.

ENG 091/092 ADVANCED ESL
(Yearly 1 Credit)
Prerequisite: Basic ESL, Beginning ESL, and Intermediate ESL, **or demonstrated high limited English ability through formal assessment**.

Expanding and Bridging level class for English Learners. This course is intended to address the social and academic English and study skills needs of the students. The course emphasizes the Expanding and Bridging English skills of listening, speaking, reading, and writing as identified by WIDA proficiency levels and standards. Criteria for eligibility: The student has demonstrated on either the ACCESS for ELLs screener or the previous school year ACCESS for ELLs standardized assessment a Developing or Expanding level of English proficiency and is enrolled in the district's Transitional Program of Instruction. This course is appropriate for students with overall WIDA screener or ACCESS scores of 4.0+ or successful completion of ESL 3.

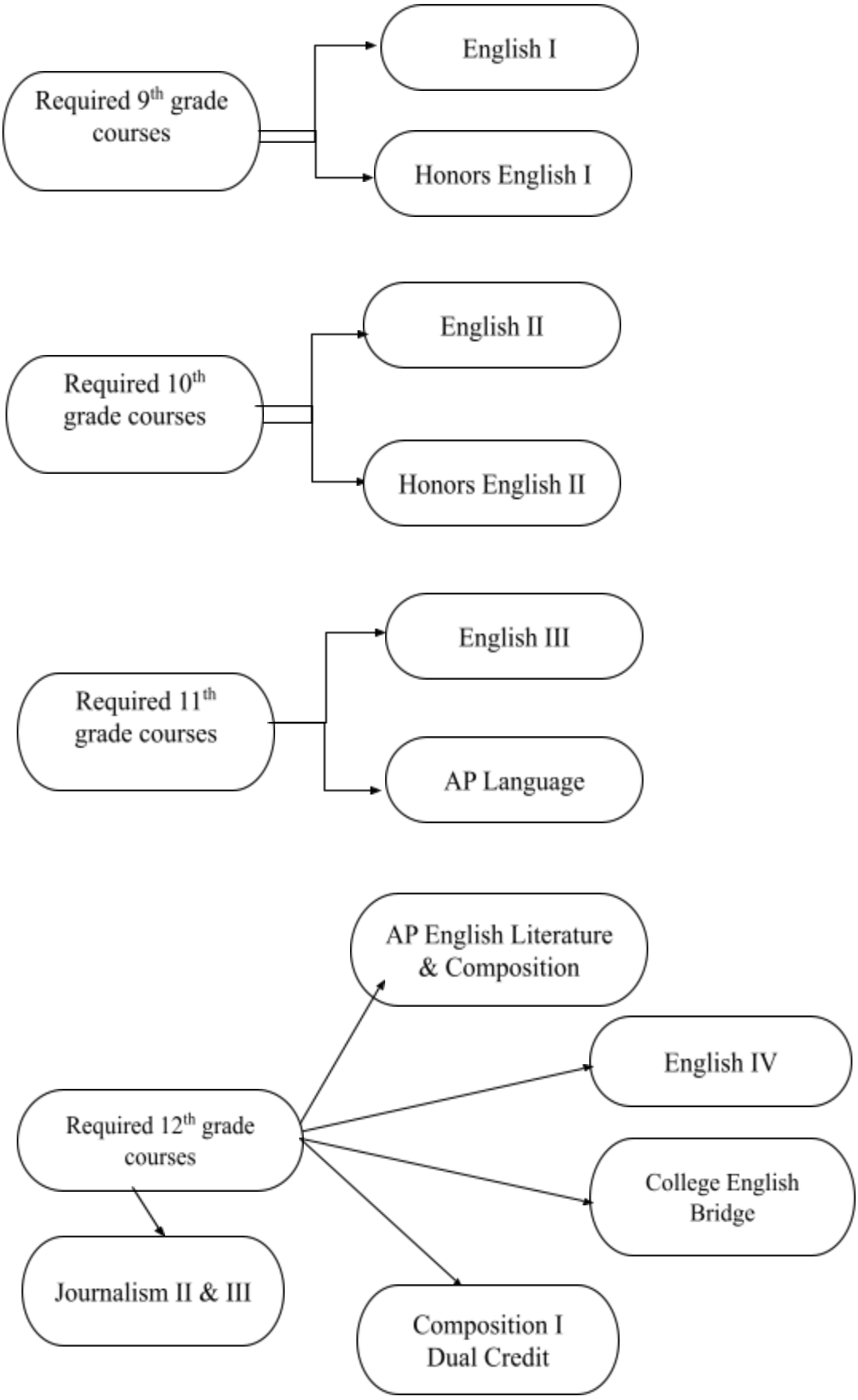
RTI 125/126 ESL INTERMEDIATE ACADEMIC LANGUAGE
(Yearly 1 Credit)
Prerequisite: None

This course is designed for English Learners at developing levels of English proficiency who demonstrate the need for additional support in the area of academic language, literacy, and literary analysis. Criteria for eligibility: the student has demonstrated on either the WIDA screener or ACCESS for ELLs a developing level of proficiency in English and is enrolled in the district's Transitional Program of Instruction. This class is used as a bridge to help students transition from upper ESL to general education English Language Arts courses.

ELA 105/106 ESL EMERGENT READING & WRITING
(Yearly 1 Credit)
Prerequisite: None

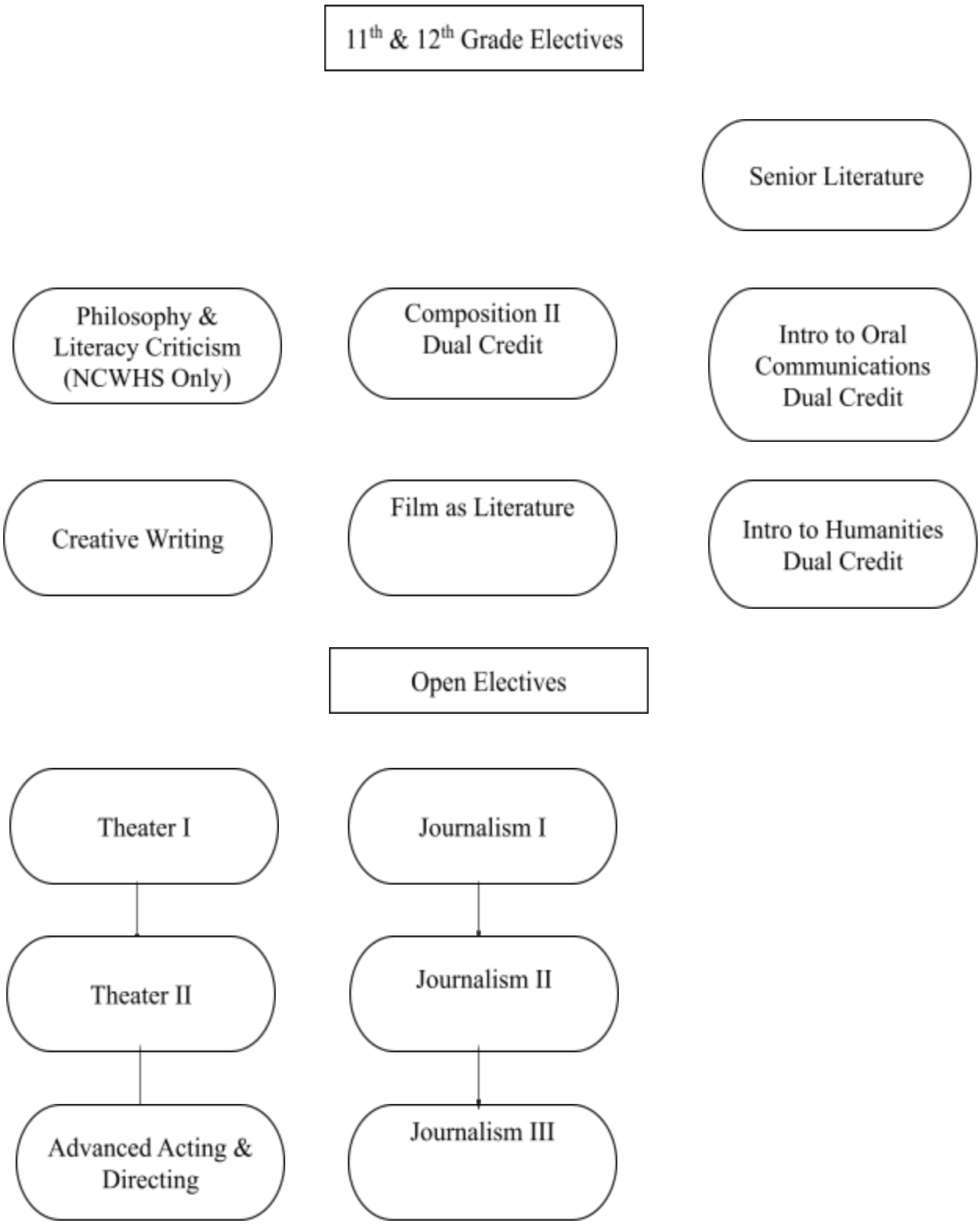
This course is designed for English Learners at the beginning and developing levels of English proficiency who demonstrate the need for additional support in the Four domains of language (reading, writing, speaking, and listening). Criteria for eligibility: the student has demonstrated on either the WIDA screener or ACCESS for ELLs an entering or beginning level of proficiency in English and is enrolled in the district's Transitional Program of Instruction. This class is used as a bridge to help students transition from introductory levels of ESL to upper levels of ESL. This course earns an English credit.

English



Note: See course list for prerequisites

English Electives



Note: See Course List for additional prerequisites

ENGLISH COURSE LIST

English Graduation Requirements: 4 Credits

NOTE: Failure of any course may result in concurrent enrollment.

*** A minimum of one of these courses is required during senior year**

SUBJECT	GRADES	RECOMMENDATION/PREREQUISITE
English I	9	None
Honors English I	9	Meets or Exceeds on Reading/Writing IAR 3.0 on ELA standards or Teacher recommendation
English II	10	Previous enrollment in two semesters of English
Honors English II	10	"C" or higher in Honors English I OR "B" or higher in English I
English III	11	Previous enrollment in four semesters of English
AP English Language & Composition	11	"C" or higher in Honors English II OR "B" or higher in English II
College English Bridge*	12	Teacher or counselor recommendation This course is one option to fulfill the senior level English requirement
English IV*	12	This course is one option to fulfill the senior level English requirement
Senior Literature	12	None
Philosophy & Literary Criticism	11, 12	11th graders must be concurrently enrolled in English III or AP Language
Creative Writing	11, 12	11th graders must be concurrently enrolled in English III or AP Language
Film as Literature	11, 12	11th graders must be concurrently enrolled in English III or AP Language
Theater I	10, 11, 12	10th graders must be concurrently enrolled in English II or Honors English II and have a passing grade in English I; 11th graders must be concurrently enrolled in English III or AP Language
Theater II	10, 11, 12	Successful completion of Theater I
AP English Literature & Composition*	12	"C" or higher in AP Language OR "B" or higher in English III. This course is one option to fulfill the senior level English requirement
Advanced Acting and Directing	11, 12	Successful completion of Theater I and II
Composition I Dual Credit*	11, 12	Successful completion of English II or Honors English II, and English III; Concurrent Enrollment in

		English III. This course is one option to fulfill the senior level English requirement
Composition II Dual Credit	11, 12	"C" or better in ENG 910 or ENG 919
Journalism	9,10, 11, 12	10th graders must be concurrently enrolled In English II/Honors English II and have passing grade in English I; 11th graders must be concurrently enrolled in English III/AP Lang
Journalism II* grade	10, 11, 12	Successful completion of Journalism I and 10th English. This course is one option to fulfill the senior level English requirement
Journalism III*	11, 12	Successful completion of Journalism II and 11th grade English. This course is one option to fulfill the senior level English requirement
Introduction to Oral Communication Dual Credit	11, 12	Concurrent Enrollment in English III or AP Language in grade 11.
Introduction to Humanities	11,12	Concurrent Enrollment in English III or AP Language In grade II.

***ENGLISH (General sequence of courses)**
1.0 Credit English 1 or Honors English 1 (Student must take one)
1.0 Credit English 2 or Honors English 2 (Student must take one)
1.0 Credit English 3 or AP Language (Student must take one)
1.0 Credit AP Literature or College English Bridge or Journalism II/III (Student must take one)
OR .5 Credit English 4 or Dual Credit 101 AND a .5 Senior Elective (Student must take one of these two choices)

Students are required to take these courses sequentially as listed.
No student should have a semester without English, with the possible exception of 2nd semester senior year IF student has met the requirement of the 4.0 total required credits, or if an IEP, 504 or a CARES plan team makes an exception.

ENGLISH COURSE DESCRIPTIONS

ENG 151/152 ENGLISH I
(Yearly 1 Credit) (9)
This genre-based course includes an analysis of various literary types: short story, poetry, nonfiction, drama, and the novel. Composition instruction will vary according to the type of literature being studied. Speech, grammar and research skills will be taught within each unit.

ENG 171/172 HONORS ENGLISH I
(Yearly 1 Credit) (9)
RECOMMENDATION: Mastery of 8th grade ELA standards or teacher recommendation
This honors course enriches the content covered in English I by covering more difficult texts and emphasizing advanced writing and critical thinking skills. This genre-based course includes an analysis of various literary types: short story, poetry, nonfiction, drama, and the novel. Composition instruction will vary according to the type of literature being studied. Speech, grammar and research skills will be taught within each unit.

ENG 251/252 ENGLISH II
(Yearly 1 Credit) (10)
Prerequisite: English I or Honors English I
This theme-based course focuses on taking contemporary literature and analyzing it through a global lens. Composition instruction will include literary analysis and narrative writing which will vary in topic according to the literature being studied. Speech, grammar and research skills will be taught within each semester.

ENG 271/272 HONORS ENGLISH II
(Yearly 1 Credit) (10)
Prerequisite: "C" or higher in Honors English I or "B" or higher in English I
This honors course enriches the content covered in English II by covering more difficult texts and emphasizing advanced writing and critical thinking skills. This theme-based course focuses on taking contemporary literature and analyzing it through a global lens. Composition instruction will include literary analysis and narrative composition which will vary in topic according to the literature being studied. Speech, grammar and research skills will be taught within each semester.

ENG 351/352 ENGLISH III
(Yearly 1 Credit) (11)
Prerequisite: English II or Honors English II
This course is a journey across and through America via selected American authors representing the major periods, schools, and traditions in American literary history. Our texts will span the pre-colonial eras (before European colonization in the 1600s) to our contemporary era; include multiple genres (fiction, nonfiction, poetry, drama); and attempt to examine the diversity that has shaped America over time.

ENG 371/372 AP ENGLISH LANGUAGE & COMPOSITION
(Yearly 1 Credit) (11)
Prerequisite: "C" or higher in Honors English II OR "B" or higher in English II
This course requires summer reading to be completed before the start of school.
An AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading assignments should make students aware of the interactions among the writer's purpose(s), the audience's expectation(s), and the subject matter as well as the way generic conventions and the resources of language contribute to effectiveness in writing.
In addition to developing these vital skills through a variety of processes, the course is contextually and thematically rooted in an examination of the American Dream. Through the use of novels, memoir, poetry, op-ed, essay, speech, photography, art, film, and historical primary sources, students will immerse themselves in the rhetoric of the creation, transformation, corruption,

destruction, and redemption narratives central to both shaping the American Dream and understanding its rhetorical impact on America and its people.

ENG 581/582 ENGLISH IV
(Semester ½ Credit) (12)
This course is one option to fulfill the senior level English requirement.

To be critical readers and college and career-ready writers, students will take task, purpose, and audience into careful consideration, choosing and analyzing words, information, structures, and formats deliberately. They will be able to use technology strategically when creating, refining, and collaborating on writing. They will become adept at gathering information, evaluating sources, and citing material accurately, reporting findings from their research and analysis of sources in a clear and cogent manner. They will develop the flexibility, concentration, and fluency to produce high-quality first drafts under a tight deadline as well as the capacity to revise and reflect upon their participation in the writing process. While this course will emphasize composition and rhetoric, reading will be a core component. Students may not enroll in both Composition I (ENG910/919) and English IV.

ENG 591/592 SENIOR LITERATURE
(Semester ½ Credit) (12)

This course includes an analysis of various modern and contemporary literary types: poetry, short story, nonfiction, and the novel. Composition instruction will be focused on reinforcement and mastery of literary analysis. Students will also be asked to utilize their speech, grammar, and research skills.

ENG551/552 COLLEGE ENGLISH BRIDGE
(Yearly 1 Credit) (12)
ENROLLMENT RECOMMENDATION: Teacher or Counselor recommendation

This course is designed for students who have had less than average success in English in the past and is not intended for 4-year college-bound students. A variety of literature, including short stories, nonfiction, and novels will be studied. Students will also study a variety of materials that are not offered in the traditional English classroom. These materials include a graphic novel, contemporary nonfiction, current news magazines and newspapers, and film adaptations. This course emphasizes oral communication skills and requires written assignments.

ENG 721/722 PHILOSOPHY & LITERARY CRITICISM (NCWHS Only)
(Semester ½ Credit) (11, 12) 11th graders must be concurrently be enrolled in English III or AP Language

This course focuses on the study of philosophy and philosophical literature. It is designed to include an investigation of both historical and modern approaches to values, ethics, and lifestyles. The course begins with a study of Greek philosophy, Aristotle, and tragedy and proceeds through contemporary world philosophies and literature. The techniques of literary criticism will be analyzed, discussed, and practiced. An analytical research paper will be required. The course will be of particular interest to those students who like idea-based literature and philosophy. It is recommended as a preparatory course for students going on to further education.

ENG 781/782 CREATIVE WRITING
(Semester ½ Credit) (11, 12) 11th graders must be concurrently be enrolled in English III or AP Language

This writing-intensive course is designed for students who enjoy writing and who wish to work at improving their own writing styles. Students will be given opportunities to exercise their imaginations and develop their own stories and poems. Outstanding examples of creative writing will be studied as models for student work, but the emphasis of the course will be on practical advice and daily practice in developing clear, effective, and interesting creative writing.

ENG 871/872 FILM AS LITERATURE

(Semester ½ Credit) (11, 12) 11th graders must be concurrently be enrolled in English III or AP Language

This one-semester course includes a study of literature written for film production. In addition to studying the history of film, students will view and analyze a variety of representative films from all eras, as well as examine film technique and technical elements and their influence on the literature. The course will include oral as well as written work dealing with critical analysis of the films. Formal essays, presentations, and a major research project will be required.

ENG 881/882 AP ENGLISH LITERATURE & COMPOSITION

(Yearly 1 Credit) (12) (AP Level)

Prerequisite: "C" or higher in AP Language or "B" or higher in English III

This course is one option to fulfill the senior level English requirement.

This senior elective is designed to prepare students for college-level English classes as well as the Advanced Placement in Literature. Through the examination of significant works of literature, students learn about the crafts/techniques and rhetorical strategies of writing, working toward developing mature analytical skills. Students will create a portfolio of written pieces of various lengths, purposes, and genre, gaining insight into their own writing styles. Substantial reading occurs at a brisk pace, and writing assignments are frequent.

ENG 811 THEATER I

(Semester ½ Credit) (10, 11, 12)

Prerequisite: 10th graders must be concurrently enrolled in English II or Honors English II; 11th graders must be concurrently enrolled in English III

This course is intended to provide students with an introduction to the basic skills and areas of drama. The study of drama is approached as a performance art with a theoretical and practical background in play study and play production. This course includes work on drama history, play analysis, acting, set design, and costume design. This course will be offered first semester only.

ENG 812 THEATER II

(Semester ½ Credit) (10, 11, 12)

Prerequisite: Successful completion of Theater I

This course is intended to provide students interested in drama with a more concentrated study of drama theory and practice. The emphasis is on drama from the Renaissance to the modern era. The course includes the study and analysis of representative plays, playwrights, and styles, along with scene work in acting. This course will be offered second semester only.

ENG 842 ADVANCED ACTING AND DIRECTING

(Semester ½ Credit) (11, 12)

Prerequisite: Successful completion of Theater II

This one-semester course includes theories and exercises in acting and directing with emphasis on the solution of specific acting and directing problems. In addition to studying Shakespeare's plays, students will investigate plays that offer opportunities for class exercises and will engage in procedural activities leading to the direction of plays. This course will be offered second semester only.

ENG 891/892 INTRODUCTION TO THE HUMANITIES - DUAL CREDIT

ENG 890/899 BLENDED INTRODUCTION TO THE HUMANITIES - DUAL CREDIT

(Semester ½ Credit) (11, 12)

Prerequisite: Two years successful completion of English I and II or Honors English I and II; Concurrent Enrollment or completion of English III or AP Language

Introduction to the Humanities is the study of social and cultural values as expressed through the major art forms, including painting, sculpture, architecture, literature, drama, music, dance, film, and photography. The course will examine the elements and formal qualities that are characteristic of each art form, the relationships between the arts, and the social and historical contexts from which they developed. *Heartland Community College dual credit can be achieved for Introduction to the Humanities.*

ENG 910/919 BLENDED COMPOSITION I – DUAL CREDIT
(Semester ½ Credit) (11, 12)
Prerequisite: Successful completion of English II or Honors English II, and English III Concurrent Enrollment of English III
This course is one option to fulfill the senior level English requirement.

In English Composition I, students will improve their writing by learning about the integrated relationship between critical reading and writing skills. Students will explore how genres of communication shape the acts of reading and writing, and in the process, will learn how to become responsible and ethical readers, writers, and designers of various kinds of texts. Students gain exposure to a wide range of tools and skills available and necessary to 21st century readers and writers, including collaboration techniques, visual design principles, and how to effectively control surface features of their writing. *Heartland Community College dual credit can be achieved for Composition I.*

ENG 929 BLENDED COMPOSITION II - DUAL CREDIT
(Semester ½ Credit) (11, 12)
Prerequisite: "C" or better in ENG 911; Completion of English III or current enrollment

In English Composition II, students will put rhetorical principles into useful cultural practice via researching, designing, creating, and sharing multimodal composition projects that contribute to real academic or career purposes and audiences. Conceptual knowledge of genre, textual control, document design, writer responsibility, and collaboration will be applied as students research academic or career interests. Students will learn and apply both primary and secondary research skills, and will compose projects that successfully employ genre-appropriate reasoning, formats, and structures. *Heartland Community College dual credit can be achieved for Composition II.*

ENG 931/932 JOURNALISM I
ENG 930/939 BLENDED JOURNALISM I
(Yearly 1 Credit) (9, 10, 11, 12)
Prerequisite: 10th graders must be concurrently enrolled in English II or Honors English II and have a passing grade in Freshman English; 11th graders must be concurrently enrolled in English III or AP Language

This elective course is for students who want to use their writing skills to learn newspaper journalism. The practical portion of the course comes through the production of the school newspaper. Students will study news writing, editorial, feature, sports, and in-depth writing. Editing, copy reading, headline writing, layout, desktop publishing, and advertising will also be studied. In addition to their writing, student artists and photographers will publish their graphic work in the student newspaper.

ENG 941/942 JOURNALISM II
ENG 940/949 BLENDED JOURNALISM II
(Yearly 1 Credit) (10, 11, 12)
Prerequisite: Successful completion of Journalism I and 10th grade English
This course is one option to fulfill the senior level English requirement.

This elective course is for advanced journalism students who have successfully completed Journalism/Newspaper I. Students will be responsible for all production aspects of the school newspaper. In addition to regular classroom assignments, students in this advanced course will assume editorial positions on the staff and take on the most challenging assignments. This course is intended for students who show a strong writing ability and who are contemplating a career in a journalism-related field.

ENG 951/952 JOURNALISM III
ENG 950/959 BLENDED JOURNALISM III
(Yearly 1 Credit) (11, 12)
Prerequisite: Successful completion of Journalism II and 11th grade English
This course is one option to fulfill the senior level English requirement.

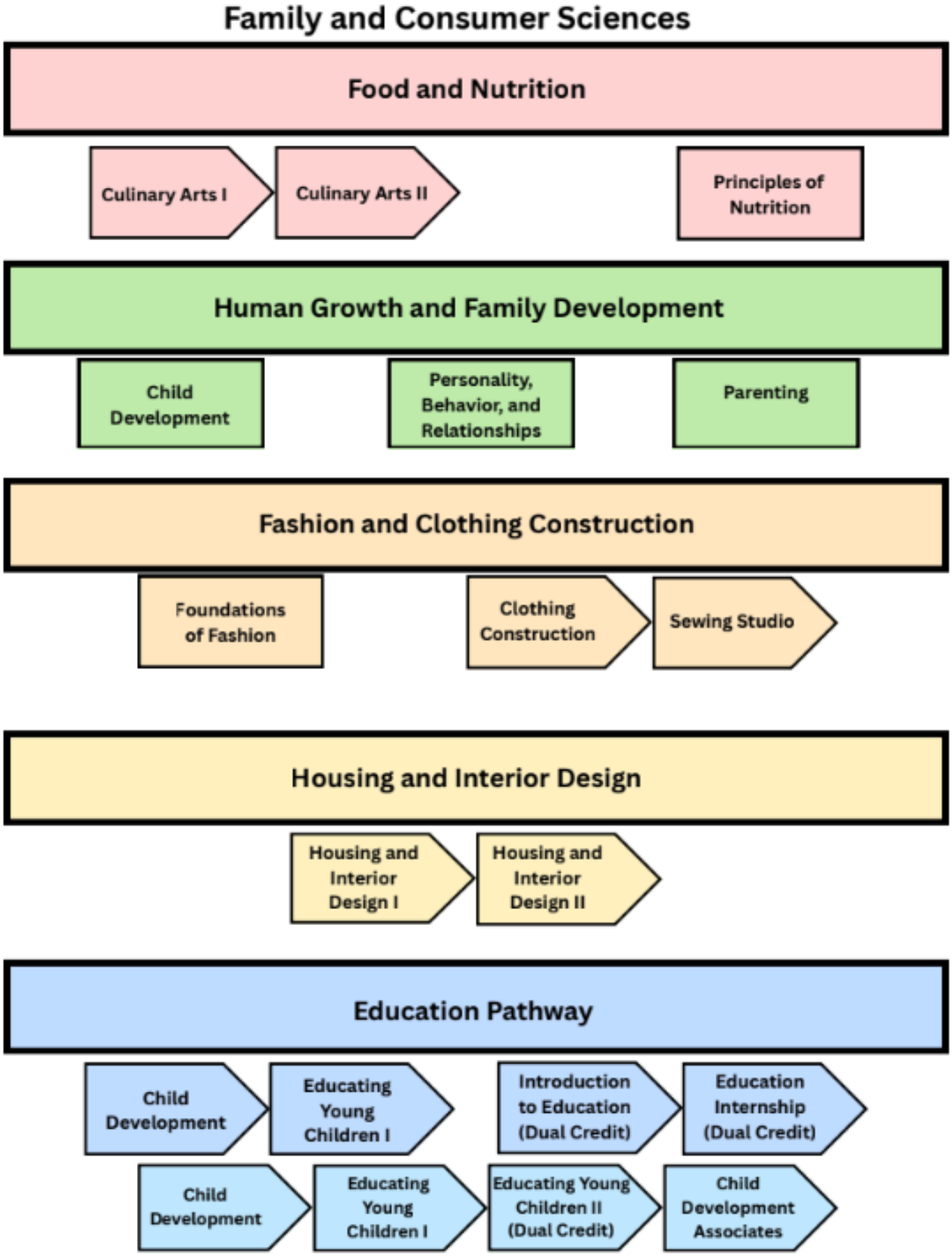
This elective course is for the most advanced journalism students who have successfully completed both the Journalism/Newspaper I and Journalism/Newspaper II classes. Students will be fully responsible for the production of the school newspaper. They will assume the top editorial positions on the staff and determine the newspaper's overall editorial policy as head of the Editorial Board. In addition to directing the newspaper staff, students will further develop their writing and editing skills, as well as the desktop publishing skills needed for production. The course is intended for students who show exceptional writing, editing, and desktop publishing ability and who are considering a career in a journalism-related field.

ENG 990/999 BLENDED INTRODUCTION TO ORAL COMMUNICATION - DUAL CREDIT
(Semester ½ Credit) (11, 12)
Prerequisite: Two years successful completion of English I and II or Honors English I and II; Concurrent Enrollment or completion of English III or AP Language

This is an introductory course in public speaking, with the dual goals of helping students understand basic communication principles and improving their oral communication skills. The course emphasizes preparing, selecting, organizing, and delivering oral messages, as well as analyzing and evaluating the speaking-listening process. *Heartland Community College dual credit can be achieved for Oral Communication.*

Family & Consumer Sciences

Education Pathway Plan of Study 10-9-25



FAMILY AND CONSUMER SCIENCES COURSE LIST

All Elective Courses

SUBJECT	GRADES	PREREQUISITES
Culinary Arts I	9, 10, 11, 12	None
Culinary Arts II	9, 10, 11, 12	Successful Completion of Culinary Arts I
Child Development	9, 10, 11, 12	None
Parenting	10, 11, 12	None
Educating Young Children I	10, 11, 12	"C" or higher in Child Development
Educating Young Children II – CTE/ DC	11, 12	"B" or higher in EYC I
Introduction to Education - Dual Credit	11, 12	Child Development (Recommended)
Education Internship -Dual Credit	12	Introduction to Education (Application Required)
Child Development Associate (Early Childhood Internship)	11, 12	EYC 1, Intro to Education (Application Required)
Housing & Interior Design I	10, 11, 12	None
Housing & Interior Design II	10, 11, 12	"C" or higher in H &ID I
Foundations of Fashion	9, 10, 11, 12	None
Clothing Construction	9, 10, 11, 12	Foundations of Fashion recommended
Sewing Studio	10, 11, 12	"C" or higher in Clothing Construction
Personality, Behavior and Relationships	11, 12	None
Principles of Nutrition	10, 11, 12	None

FAMILY AND CONSUMER SCIENCES COURSE DESCRIPTIONS

FCS 111/112 CULINARY ARTS I
(Semester ½ Credit) (9, 10, 11, 12)

Culinary Arts introduces and explores the basic principles of food preparation including: kitchen math and measurement, kitchen safety and sanitation, knife skills, and application of cooking and baking methods. A variety of recipes will be used to practice cooking techniques, explore tastes and develop the palate. Students will have the opportunity to take the ServSafe Food Handler Certification test. This certification is required by all restaurants and food service providers in the State of Illinois for employment.

FCS 122 CULINARY ARTS II
(Semester ½ Credit) (9, 10, 11, 12)
Prerequisite: Successful Completion of Culinary Arts I

Culinary Arts II students will continue to demonstrate culinary skills in the lab with an emphasis on cooking techniques. Students will apply the principles learned in Culinary Arts I as they take their skills to the next level, learning about stocks, soups and sauces, pasta techniques, breads, regional and international food practices, cakes, and pastries.

FCS 151/152 CHILD DEVELOPMENT
FCS 150/159 BLENDED CHILD DEVELOPMENT (West only)
(Semester ½ Credit) (9, 10, 11, 12)

If you are interested in working with children, Child Development is essential to your future. You will gain fundamental knowledge and skills to care for and guide children from birth to early adolescence. Encouraging growth and development of the physical, social/emotional, cognitive, and language development will be the focus. Students taking Child Development will have the ability to earn the Gateways to Opportunity Level I Credential. This statewide accreditation program prepares students for careers working with children and their families in a professional environment. Child Development is a prerequisite for the Educating Young Children course. For additional information, please see: http://www.ilgateways.com, or FCS Building Chair.

FCS 251/252 PARENTING
(Semester ½ Credit) (10, 11, 12)

Explore the responsibilities and roles of parenthood while learning about the following topics: understanding parenting, parenting readiness, reproduction, planning for pregnancy, pregnancy, infants & toddlers, school aged children, adolescent and teen years. Students have the opportunity to be a "parent" through the use of a Baby Think It Over infant simulator. This course is recommended for students interested in children and families and/or the following career clusters: education and training, health and human services.

FCS 291/292 EDUCATING YOUNG CHILDREN I
FCS 290/299 BLENDED EDUCATING YOUNG CHILDREN I
(Yearly 1 Credit) (10, 11, 12)
Prerequisite: "C" or higher in Child Development

The activities in Educating Young Children I focus on the gaining skills necessary for educating children in a group setting and creating an opportunity for students to become effective teachers. Students will be responsible for planning and implementing lessons for children ages 3-5. Additional responsibilities will include creating newsletters and other parent communication tools, making developmental observations, and keeping current in the trends in the field of Early Childhood Education.

FCS 391/392 EDUCATING YOUNG CHILDREN II – CTE DUAL CREDIT
FCS 390/399 BLENDED EDUCATING YOUNG CHILDREN II – CTE DUAL CREDIT
(Yearly 1 Credit) (11, 12)
Prerequisite: "B" or higher in Educating Young Children I

Educating Young Children II builds on the knowledge and skills developed in EYC I. Students will focus on the health, wellness, and nutritional needs of the preschool child. Additionally, EYC II students will assume a leadership role in the preschool and in their own learning. When appropriate, job shadowing and intern experiences will be included. From HCC course syllabus: this course provides an overview of the health, safety and nutritional needs of young children and early

childhood practices to ensure the health and well-being of each child in a group setting. Content includes roles and responsibilities of adults in meeting children's diverse needs, the promotion of healthy lifestyle practices, understanding common childhood illnesses and injuries, meeting health, nutrition and safety standards, and planning nutritious meals that are appropriate for each child. *Heartland Community College Dual Credit can be achieved for CHLD 202: Health, Safety, and Nutrition for the Young Child.*

FCS501/502 BLENDED INTRODUCTION TO EDUCATION – DUAL CREDIT
(Yearly 1 or 2 Credit) (11, 12)
Prerequisite: Child Development (Recommended)

This course provides an introduction to the American education system and teaching as a profession. Students will explore a variety of perspectives on education including: historical, philosophical, social, legal, and ethical issues in a diverse society. A study of organizational structure and school governance will also be included. A minimum 15-hour clinical component is required for this class. Students are required to provide their own transportation for this component. Students are required to provide their own transportation for this component. Students who enroll in Introduction to Education will be required to undergo a criminal background check by a college selected vendor. A clear background check is mandatory in order to complete the course/state required 15-hour clinical component for each class. *Heartland Community College dual credit can be achieved for EDUC 101: Introduction to Education.*

FCS611/612 EDUCATION INTERNSHIP- DUAL CREDIT
(Yearly 1 or 2 Credits) (Grade 12)
Prerequisite: Application is required

The Education Internship Program is designed for career exploration within the field of education that benefits the student and will be tailored to meet the unique needs and interests of the learner. This course builds on the knowledge and skills developed in Introduction to Education and provides an introduction to multiple subcultures present in the American classroom. It will include theories and processes for understanding and working with culturally diverse groups in a classroom setting. It will explore the symbiotic relationship between schools and their cultural context and recent trends with regards to diversity and achievement.

Students will participate in a workplace experience while interning with a mentor in a school setting, which is reflective of the student's career interest. Essential career skills will be correlated with soft skills and academic skills in a project-based format. The student will be released from school four days a week during practicum period(s) to intern with their mentor in an unpaid position. Students will attend their school internship site an average of four hours per week for 1⁄2 credit or eight hours per week

for 1 credit. Students are required to provide their own transportation and pass a background check for this component. One day a week, the student will participate in Education Internship Seminars during practicum period(s) at school instead of working with their mentor at the internship site.

Heartland Community College dual credit can be achieved for EDUC 135: The Multicultural Classroom.

FCS 620/629 EARLY CHILDHOOD INTERNSHIP
(Yearly 1 or 2 Credits) (11, 12)
Prerequisite: Application is required

The Early Childhood Education Internship Program is designed for students interested in working with children birth-age 5. The course is designed to support students in earning the national Child Development Associate (CDA) Credential. Content knowledge will be aligned with the professional requirements of the CDA including the tracking of 120 training hours in each of the 8 CDA subject areas. Internship experiences will be aligned with the CDA requirement of 480 hours of professional work experience in a center based setting with children birth-5 years old. Students are required to provide their own transportation for this component. A clear background check is mandatory in order to complete the clinical portion of the course. Students will work with community partners to complete the portfolio requirement of the CDA. Additional information about the CDA can be found on their website at https://www.cdacouncil.org/en/.

FCS 311 HOUSING & INTERIOR DESIGN I
(Semester ½ Credit) (10, 11, 12)

Housing and Interior Design allows students to explore color, design techniques, furniture arrangements, architectural design and interior floor plans for personal use and career opportunities using industry relevant technologies. This "hands-on" course is for you if you enjoy creating your own space or are interested in a career related to Housing and Interior Design.

FCS 332 HOUSING & INTERIOR DESIGN II
(Semester ½ Credit) (10, 11, 12)
Prerequisite: "C" or higher in Housing & Interior Design I

Continue building upon topics from Housing and Interior Design 1, through exploration of the history of architecture and discover how it relates to today's housing styles. Topics in this course include: American architectural styles, floor planning, design backgrounds, choosing furniture, lightning, accessories, and fixtures. A culminating professional style semester portfolio including hand drawn design sketching and drafting skills will be required in this course.

FCS 301/302 FOUNDATIONS OF FASHION
(Semester ½ Credit) (9, 10, 11, 12)

This course is for anyone interested in the fashion industry. Units of study include influences on clothing, the fashion world, elements of design, textiles, and careers in fashion.

FCS 341/342 CLOTHING CONSTRUCTION
(Semester ½ Credit) (9, 10, 11, 12)
Foundations of Fashion recommended

This course will cover the basics of clothing construction skills including hand sewing, sewing machine skills, and garment construction techniques.

FCS 362 SEWING STUDIO
(Semester ½ Credit) (10, 11, 12)
Prerequisite: "C" or higher in Clothing Construction

Expand on the skills from Clothing Construction including selecting patterns and fabric to construct clothing items of your choosing based on your ability level and reconstruction of an existing garment.

FCS 511/512 PERSONALITY, BEHAVIOR AND RELATIONSHIPS
(Semester ½ Credit) (11, 12)

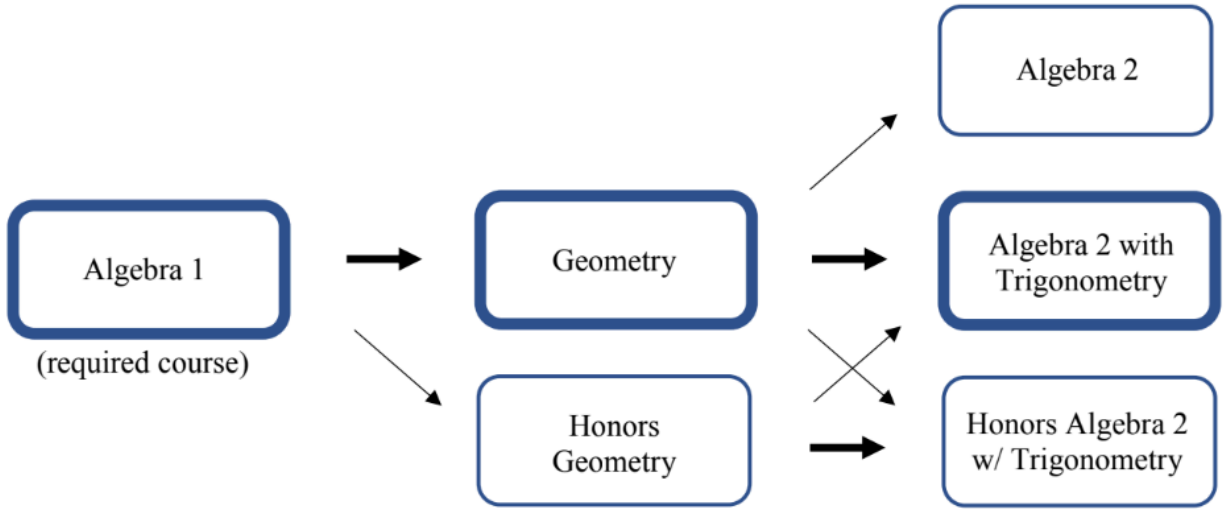
You're legally an adult at 18. Are you really ready for life after high school? This is a course every student should take and will cover topics you will encounter after graduation. Popular movies are used to give real life examples and promote class discussions about determining who you are, what is important to you and how to set personal goals, finding the career that is right for you, dealing with the everyday drama and the stress it brings. Learn how to establish healthy and lasting friendships and relationships, and deal with the occasional personal crisis using communication skills and conflict management.

FCS 131/132 PRINCIPLES OF NUTRITION
(Semester ½ Credit) (10, 11, 12)

Principles of Nutrition is a Family and Consumer Sciences course with a focus on understanding how food choices impact the well-being of individuals and society. This course will address nutrition basics, clean eating, macronutrients, micronutrients, meal planning, and current trends in nutrition. This course would be especially beneficial for students who are pursuing a medical related career pathway; including sports nutrition, nutrition & dietetics, nursing, and other health related careers.

Mathematics

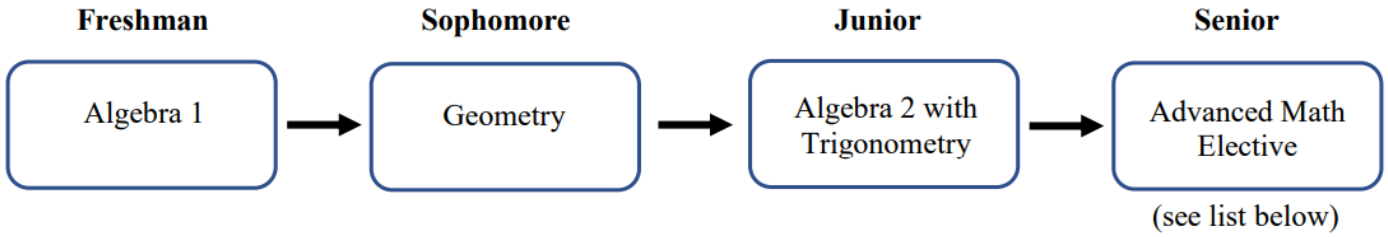
AGA (Algebra 1 - Geometry - Algebra 2) Sequence



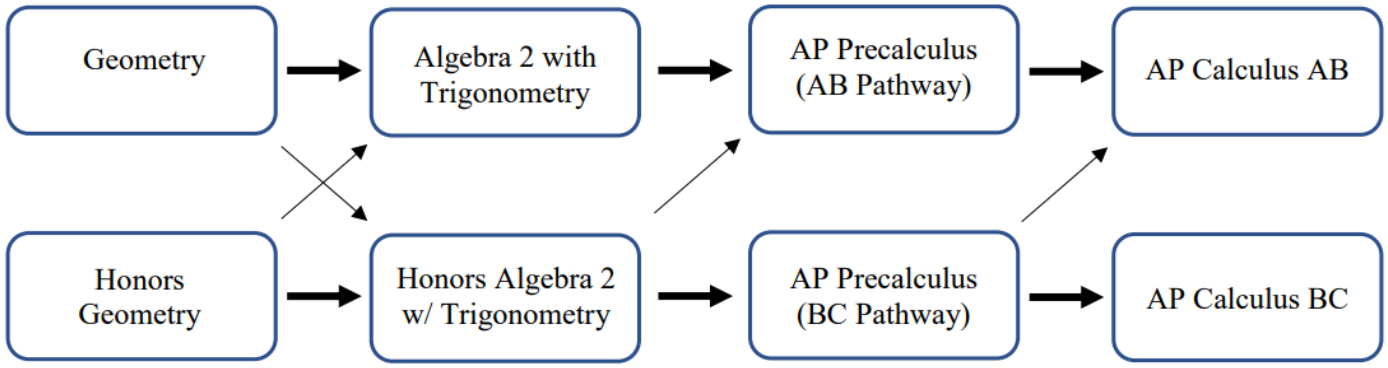
Note: The AGA Sequence satisfies the 3-year Illinois high school graduation requirements for mathematics.

Potential Four-Year Math Pathways

After successful completion of Math 8 in 8th Grade:

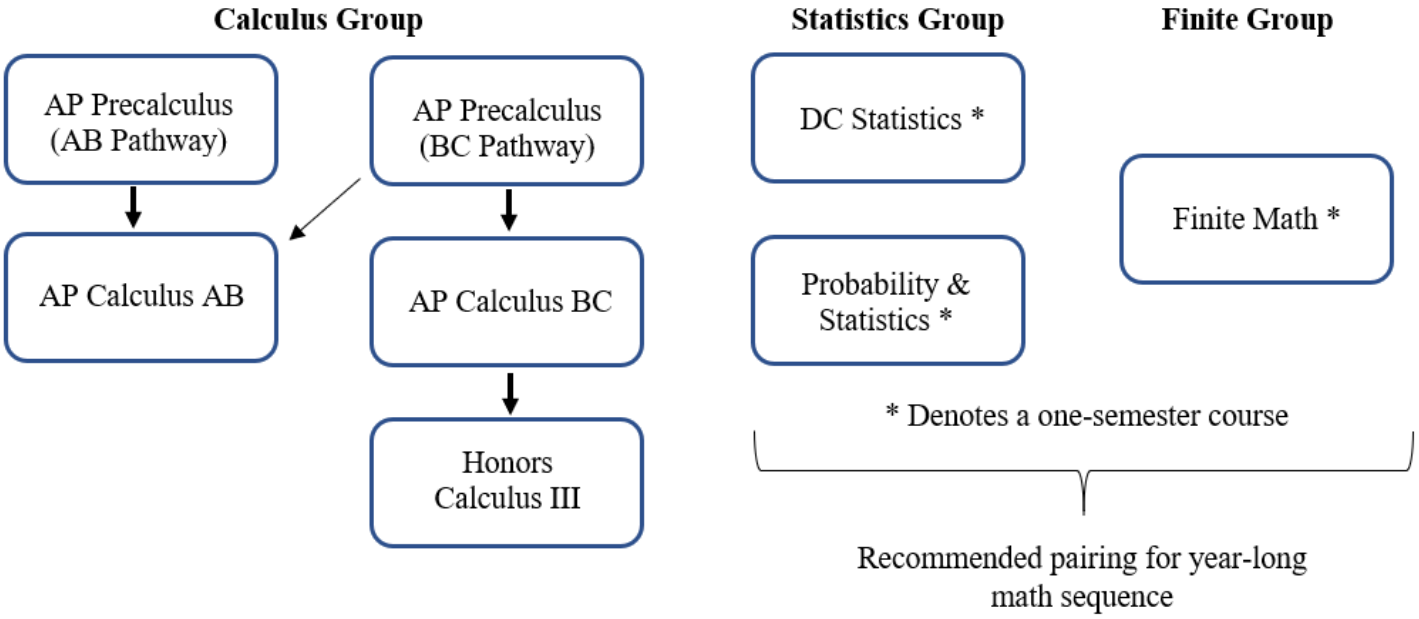


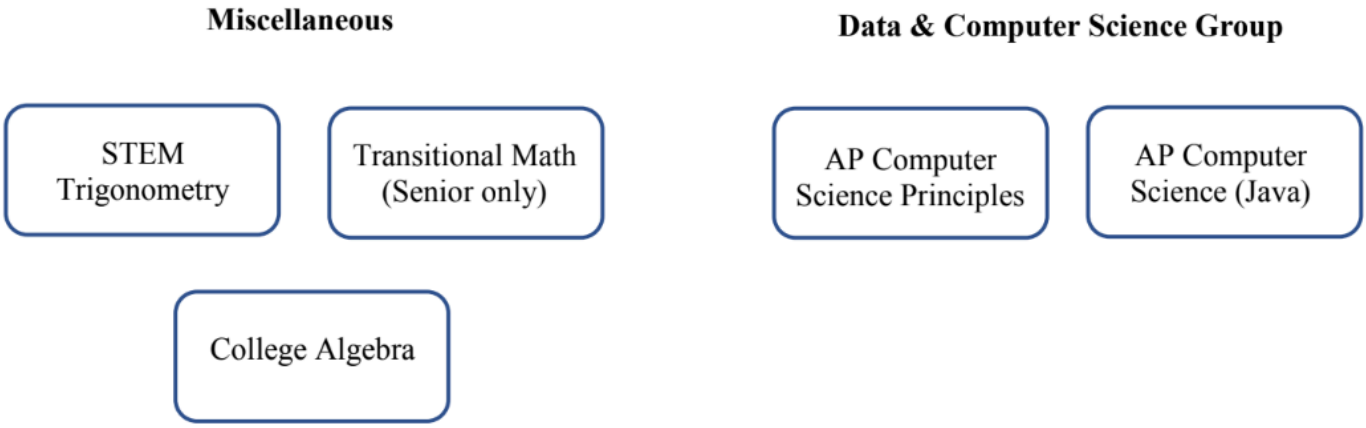
After successful completion of Algebra 1 in 8th Grade (Calculus Pathways):



Advanced Math Electives

Note: Advanced Math Electives, Dual Credit (DC), Advanced Placement (AP) are offered *after* the AGA sequence requirements are met. See course descriptions for prerequisites.





MATHEMATICS COURSE LIST

Mathematics Graduation Requirements: 3 Credits

- Algebra 1
- Geometry Content Course
- Only one of the *designated* AP Computer Science courses may count toward mathematics graduation requirements.

Note: Focused Algebra 1 and Focused Geometry are intended to support math courses and will not count for math credit.

SUBJECT	GRADES	PREREQUISITES
Pre-Algebra	9	"D" or "F" in Math 8
Algebra 1	9, 10	Successful completion of Math 8 or Pre-Algebra
Geometry	9, 10, 11	Algebra 1
Honors Geometry	9, 10	"A" in Algebra 1 or Teacher Recommendation
Algebra 2	11, 12	Algebra 1
Algebra 2 w/ Trigonometry	9, 10, 11, 12	Honors Geometry; or "C" or higher in Geometry and Algebra 1
Honors Algebra 2 w/Trigonometry	9, 10, 11	"C" or higher in Honors Geometry; or "A" in both Algebra 1 and Geometry
College Algebra	11, 12	"C" or higher in Algebra 2 w/Trigonometry
STEM Trigonometry	11, 12	"C" or higher in Algebra 2 w/Trigonometry
QL Transitional Math	12	Successful completion of 3 years of math
AP Precalculus (AB Pathway)	10, 11, 12	"B" or higher in Algebra 2 w/ Trigonometry; or "C" or higher in Honors Algebra 2 w/ Trigonometry
AP Precalculus (BC Pathway)	10, 11, 12	"B" or higher in Honors Algebra 2 w/ Trigonometry
Finite Math	11, 12	"C" or higher in Honors Algebra 2 w/ Trigonometry; or "B" or higher in Algebra 2 w/ Trigonometry
Probability & Statistics	11, 12	"C" or higher in Honors Algebra 2 w/ Trigonometry; or "B" or higher in Algebra 2 w/ Trigonometry

(continued on next page)

Introduction to Statistics [Dual Credit]	11, 12	"C" or higher in Honors Algebra 2 w/ Trigonometry; or "B" or higher in Algebra 2 w/ Trigonometry
AP Calculus AB	11, 12	"B" or higher in AP Precalculus (AB Pathway) or "C" or higher in AP Precalculus (BC Pathway)
AP Calculus BC	11, 12	"B" or higher in AP Precalculus (BC Pathway)
Honors Calculus III	12	A or B in AP Calculus BC

NOTES: All prerequisite grades listed are semester grades. The number following the credit allotment indicates the grade level for which a course is intended; however, students at other grade levels may request these courses provided prerequisites are met.

A scientific calculator is required for all math classes. In some cases, a graphing calculator is required or strongly suggested.

MATHEMATICS COURSE DESCRIPTIONS

MAT 151/152 PRE-ALGEBRA
(Yearly 1 Credit) (9)
Prerequisite: Students who earned a D or F in Math 8 in junior high.

Pre-Algebra builds the foundational skills needed for success in Algebra 1. Topics include operations with positive and negative numbers, fractions and decimals, equivalent expressions, linear equations and inequalities, proportional relationships, slope, graphing, systems of equations, and geometric similarity. Students develop mathematical reasoning through problem solving and real-world applications.

MAT 321/322 ALGEBRA 1
(Yearly 1 Credit) (9, 10)
Prerequisite: Successful completion of Math 8 or Pre-Algebra

Using variables or letters to represent numbers, Algebra is generalized arithmetic. Emphasis is placed on solving equations and inequalities, polynomials, factoring, linear equations in two variables, exponential functions and quadratic functions. Algebra provides the background for the future study of more complex mathematics. Completion of this course provides the student with the algebraic skills necessary to study Geometry or Honors Geometry.

MAT 521/522 GEOMETRY
(Yearly 1 Credit) (9, 10, 11)
Prerequisite: Algebra 1

Geometry is for anyone who intends to take further mathematics courses. In Geometry algebraic concepts such as solving equations and properties of square roots are used and reinforced. Definitions, postulates, theorems, corollaries, and properties will be used to complete geometric proofs. Additional topics include isometric transformations, parallel and perpendicular lines, dilation and similarity, right triangles and trigonometry, congruent triangles, quadrilaterals, circles, area and polygons, surface area and volume of solids, and constructions. Successful completion of this course enables a student to study Algebra 2 or Algebra 2 with Trigonometry.

MAT 601/602 HONORS GEOMETRY
(Yearly 1 Credit) (9, 10) (Honors Level)
Prerequisite: "A" in Algebra 1 or Teacher Recommendation

Honors Geometry is a rigorous course designed for anyone who desires a more challenging level of study at an accelerated pace. Enhance logical reasoning and spatial visualization skills will be emphasized in this course. Learning definitions, postulates, theorems, corollaries, and properties will be necessary to complete geometric proofs in Honors Geometry that will be more rigorous than in Geometry. In addition to all the topics of Geometry, other topics will be emphasized. In this course, emphasis is placed on solving geometric problems using advanced algebra. Successful completion of this course enables a student to study Algebra 2 with Trigonometry or Honors Algebra 2 w/Trigonometry.

MAT 641/642 ALGEBRA 2
(Yearly 1 Credit) (10, 11, 12)
Prerequisite: Algebra 1

Algebra 2 is a course designed for anyone who has experienced difficulty in Algebra 1. Emphasis in this class is placed upon revisiting and expanding the algebraic concepts taught in Algebra 1. This course is **not** designed for students who intend to enroll in AP Precalculus (AB Pathway or BC Pathway) or Finite Math/Probability and Statistics. Successful completion of this course provides the student with the algebraic skills necessary to study QL Transitional Math or STEM Trigonometry. *Meets Geometry Content State Graduation Requirement.*

MAT 681/682 ALGEBRA 2 W/ TRIGONOMETRY
(Yearly 1 Credit) (10, 11, 12)
Prerequisite: Honors Geometry; or "C" or higher in Geometry and Algebra 1

This course is for anyone planning to take AP Precalculus, AP Statistics, Dual Credit Finite, Dual Credit Statistics, Finite Mathematics, or Probability & Statistics. Emphasis in this class is placed upon expanding the algebraic concepts which include solving and graphing the following equations and functions: radical, rational, polynomial, logarithmic, and trigonometric. Additional topics include conics, right triangle, and circular function trigonometry. A TI-83/84 family graphing calculator is required. *Meets Geometry Content State Graduation Requirement.*

MAT 721/722 HONORS ALGEBRA 2 W/ TRIGONOMETRY
(Yearly 1 Credit) (9, 10, 11) (Honors Level)
Prerequisite: "C" or higher in Honors Geometry; or "A" in both Algebra 1 and Geometry

Honors Algebra 2 w/Trigonometry is a rigorous course designed for anyone who desires a more challenging level of study at an accelerated pace. This course is for anyone who has experienced a high degree of success in mathematics and plans to take AP Precalculus, AP Statistics, Finite Mathematics, or Probability & Statistics. Emphasis in this honors level course is placed upon expanding the algebraic concepts taught in Algebra. Topics include radicals, rational functions, polynomial functions, logarithmic functions and conics. Right triangle and circular function trigonometry are expanded including proofs of trigonometric identities and graphs of trigonometric functions. Independence of thought, logic and scientific reasoning are stressed throughout the course. A TI-83/84 family graphing calculator is required.

MAT 731/732 COLLEGE ALGEBRA
(Yearly 1 Credit) (11, 12)
Prerequisite: "C" or higher in Algebra 2 with Trigonometry

This course is designed to assist students in acquiring a more thorough knowledge and proficiency in Algebra concepts. It prepares students for college placement tests with review of fundamental principles and applications related to graphing and analyzing linear, quadratic, rational, logarithmic, and exponential functions. Additional topics include systems of linear equations and inequalities, trigonometric functions, identities, and conics. **A scientific calculator is required for this course.**

MAT 811/812 STEM TRIGONOMETRY
(Yearly 1 Credit) (11, 12)
Prerequisite: Geometry, Algebra 2, or Algebra 2 w/ Trigonometry

This course is for students looking for an additional year of math and took Geometry and Algebra 2 (no trig) or Algebra 2 with trigonometry and struggled with the trigonometry content. STEM Trigonometry explores trigonometric concepts through activities such as launching rockets and through technology by using a phone app to program a robotic ball and flying quadcopters. Additional topics include sound and music, engineering, and real-life measurement. STEM Trigonometry will prepare students to use trigonometric concepts in future mathematics and related disciplines. Topics include right triangle trigonometry, Law of Sines and Cosines, unit circle, solving and graphing trigonometric functions, identities, and vectors. In addition to learning trigonometric relationships, students will use linear and quadratic functions and geometry to model real-world applications. Without the rigor of AP Precalculus, STEM Trigonometry could be used to bridge the gap between high school mathematics and freshman college level mathematics. *This course is designated as a STEM Concentration Course.

MAT481/482 QL TRANSITIONAL MATH
(Yearly 1 Credit) (12)
Prerequisite: Successful completion of 3 years of math

Transitional Math is for students who may be planning to attend a Community College in a non-STEM field. In this course, students will explore and model relevant real-world applications using mathematical problem-solving within a collaborative learning approach. Examples include analyzing credit card payments, buying a house, and designing a business. Students will use estimation and explain/justify estimates, apply quantitative reasoning to solve problems involving quantities or rates, use summaries of date such as mean, median, and mode, use and apply algebraic reasoning, and use functions and modeling processes. This course follows the Quantitative Literacy and Statistics Math course framework.
A student earning a C or better in this course will guarantee enrollment into a general education credit bearing, college level course, such as: General Education Statistics, General Education Mathematics, Quantitative Literacy, Elementary Mathematical Modeling, or a technical/occupational mathematics at any community college in Illinois. Public or private universities in Illinois may voluntarily agree to provide guaranteed placement into a college math course without any further placement test or pre-requisite requirement.

MAT 901/902 ADVANCED PLACEMENT PRECALCULUS (AB Pathway)
(Yearly 1 Credit) (10, 11, 12)
Prerequisite: "B" or higher in Algebra 2 with Trigonometry; or "C" or higher in Honors Algebra 2 with Trigonometry

AP Precalculus (AB Pathway) is designed to be equivalent to a first-semester, college-level precalculus course and prepare students for AP Calculus AB. Students develop an understanding of college algebra, trigonometry, and additional topics that prepare them for further college-level mathematics. They explore how functions model real-world situations and describe relationships between quantities. Students investigate polynomial, rational, exponential, logarithmic, trigonometric, and polar functions and their applications. The course framework is organized into three units: Polynomial and Rational Functions; Exponential and Logarithmic Functions; and Trigonometric and Polar Function. Throughout the course, students develop three mathematical practices: Procedural and Symbolic Fluency, Multiple Representations, and Communication and Reasoning. They strengthen their ability to manipulate functions, equations, and expressions; connect graphical, numerical, analytical, and verbal representations; and communicate conclusions using precise mathematical language and supporting reasoning.

MAT 903/904 ADVANCED PLACEMENT PRECALCULUS (BC Pathway)
(Yearly 1 Credit) (10, 11, 12)
Prerequisite: "B" or higher in Honors Algebra 2 with Trigonometry

AP Precalculus (BC Pathway) is designed to be equivalent to a first-semester, college-level precalculus course and prepare students for AP Calculus BC. Students develop an understanding of college algebra, trigonometry, and additional topics that prepare them for further college-level mathematics. They explore how functions model real-world situations and describe relationships between quantities. Students investigate polynomial, rational, exponential, logarithmic, trigonometric, and polar functions and their applications. The course framework is organized into four units: Polynomial and Rational Functions; Exponential and Logarithmic Functions; Trigonometric and Polar Functions; and Functions Involving Parameters, Vectors, and Matrices. The fourth unit provides additional topics, including parametric, vector-valued, implicitly defined, and linear transformation functions, and is not assessed on the AP Exam. Throughout the course, students develop three mathematical practices: Procedural and Symbolic Fluency, Multiple Representations, and Communication and Reasoning. They strengthen their ability to manipulate functions, equations, and expressions; connect graphical, numerical, analytical, and verbal representations; and communicate conclusions using precise mathematical language and supporting reasoning.

MAT 841 FINITE MATH
(Semester 1/2 Credit) (11, 12)
Prerequisite: "C" or higher in Honors Algebra 2 w/Trigonometry; or "B" or higher in Algebra 2 w/ Trigonometry

This class focuses on linear applications, matrices, optimization problems using linear programming, and financial mathematics including amortization. This course covers fewer topics than the Heartland Dual Credit Finite Math for Business and Social Science Class. Students cannot get credit for both MAT 841 and MAT 911/912. Note, a graphing calculator is required for this course (instruction will be based on a TI 83+).

MAT 842 PROBABILITY & STATISTICS
(Semester 1/2 Credit) (11, 12)
Prerequisite: "C" or higher in Honors Algebra 2 w/Trigonometry; or "B" or higher in Algebra 2 w/ Trigonometry

Probability & Statistics is for anyone intending to study law, business administration, finance, marketing, accounting, social science, economics, nurse's training, mathematics, or liberal arts. Topics included are concepts of probability, simulation, probability distributions, expectations, counting techniques, and descriptive statistics. A TI-83/84 family graphing calculator is required.

MAT 861/862 INTRODUCTION TO STATISTICS – DUAL CREDIT
MAT 860/869 BLENDED INTRODUCTION TO STATISTICS – DUAL CREDIT
(Semester 1/2 Credit High School) (11, 12)
Prerequisite: "C" or higher in Honors Algebra 2 w/Trigonometry; or "B" or higher in Algebra 2 w/ Trigonometry

This course focuses on mathematical reasoning and the solving of real-life problems, rather than on routine skills and appreciation. Descriptive methods (frequency distributions, graphing and measures of location and variation), basic probability theory (sample spaces, counting, factorials, combinations, permutations, and probability laws), probability distributions (normal distributions and normal curve, binomial distribution, and random samples and sampling techniques), statistical inference (estimation, hypothesis testing, t-test, and chi-square test, and errors), correlation and regression, and f-test and analysis of variance. An emphasis is placed on calculating statistical results using appropriate technology, and interpreting those results in context, rather than using formulas and tables. *Heartland Community College dual credit can be achieved for Introduction to Statistics.* A TI-83/84 family graphing calculator is required for this course.

MAT 921/922 ADVANCED PLACEMENT CALCULUS AB
(Yearly 1 Credit) (10, 11, 12) (AP Level)
Prerequisite: "B" or higher in AP Precalculus (AB Pathway); or "C" or higher in AP Precalculus (BC Pathway)

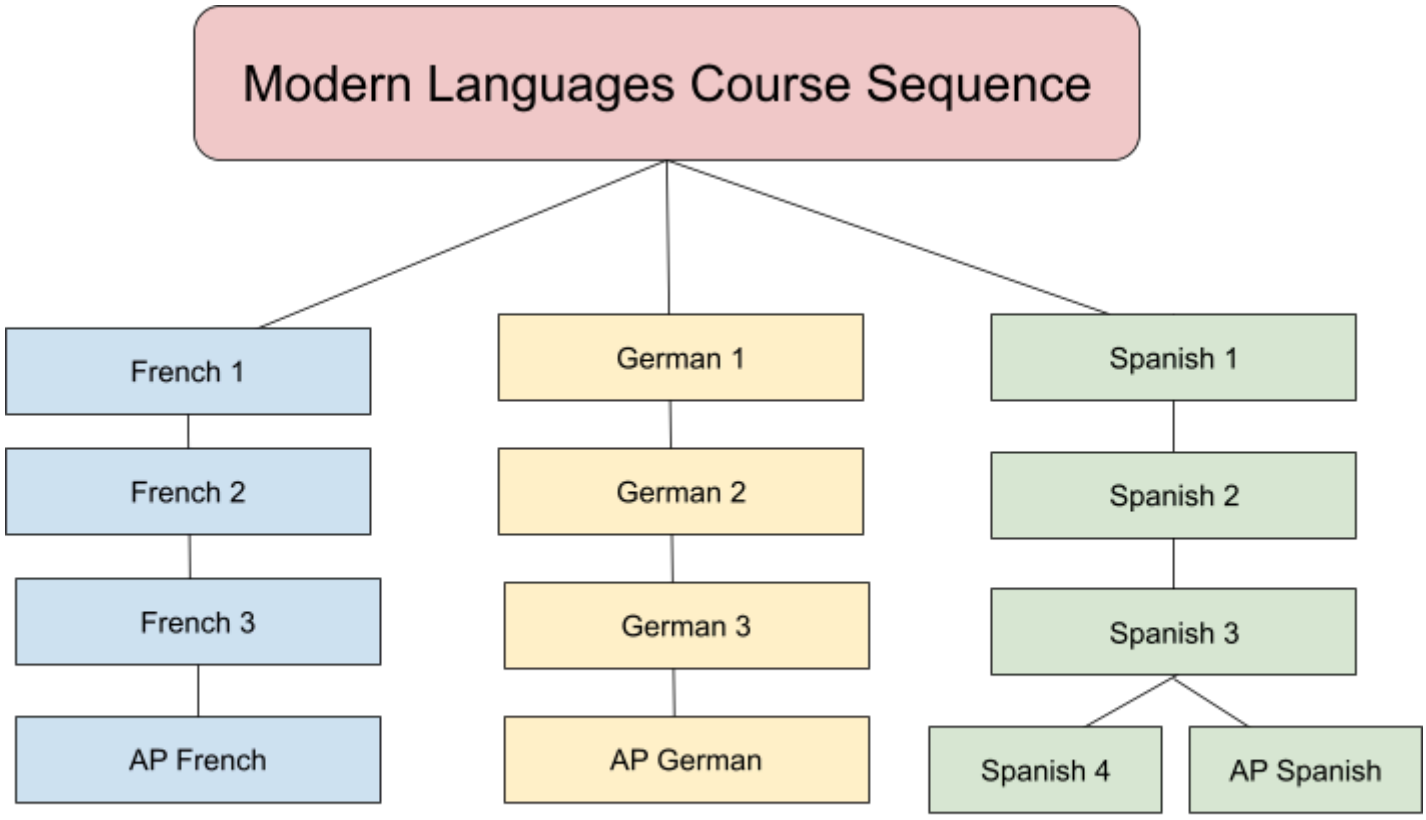
AP Calculus AB is designed to be equivalent to a first-semester, college-level calculus course focused on differential and integral calculus. Students explore how calculus describes change, models real-world situations, and analyzes the behavior of functions. Students investigate limits and continuity, develop an understanding of derivatives and integrals, and apply these concepts to solve problems. Course content is organized into eight units: Limits and Continuity; Differentiation: Definition and Fundamental Properties; Differentiation: Composite, Implicit, and Inverse Functions; Contextual Applications of Differentiation; Analytical Applications of Differentiation; Integration and Accumulation of Change; Differential Equations; and Applications of Integration. Three big ideas connect these topics: Change, Limits, and Analysis of Functions. Throughout the course, students examine concepts and solve problems using graphical, numerical, analytical, and verbal representations. They develop mathematical reasoning and communication skills by connecting these representations, interpreting rates of change and accumulation, and explaining how calculus concepts apply across contexts.

MAT 941/942 ADVANCED PLACEMENT CALCULUS BC
(Yearly 1 Credit) (10, 11, 12) (AP Level)
Prerequisite: "B" or higher in AP Precalculus (BC Pathway)

AP Calculus BC is designed to be equivalent to first- and second-semester, college-level calculus courses. Students explore how calculus describes change, models real-world situations, and analyzes the behavior of functions. The course includes the content and skills of AP Calculus AB and applies them to parametrically defined curves, polar curves, and vector-valued functions. Students also explore additional integration techniques and applications, sequences, and series. Three big ideas serve as the foundation of the course: Change, Limits, and Analysis of Functions. Throughout the course, students examine concepts and solve problems using graphical, numerical, analytical, and verbal representations. They develop mathematical reasoning and communication skills by connecting these representations, using derivatives and integrals to interpret change, and relating limits, differentiation, integration, and infinite series to understand the behavior of functions.

MAT 971/972 HONORS CALCULUS III
(Yearly 1 credit) (11,12)
Prerequisite: "B" or higher in AP Calculus BC

This course is the last of the sequence that focuses on calculus and analytic geometry and includes the essential elements of multi-variable calculus as well as the analytic geometry of space. Content focus is on vectors, functions of several variables, curves and surfaces, differentiation, partial derivatives, multiple integrals and surface integrals.


Modern Languages Course Sequence
French 1
French 2
French 3
AP French
German 1
German 2
German 3
AP German
Spanish 1
Spanish 2
Spanish 3
Spanish 4
AP Spanish

MODERN LANGUAGE

All Elective Courses

SUBJECT	GRADES	PREREQUISITES
French I, German I, or Spanish I	9, 10, 11, 12	None
French II, German II, or Spanish II	10, 11, 12	Pass Level I or meet requirements of Placement Exam
French III , German III , or Spanish III	11, 12	Pass Level II or meet requirements of Placement Exam
Spanish IV	12	Pass Level III or meet requirements of Placement Exam
AP German, AP French, AP Spanish	12	Level III or meet requirements of Placement Exam.Students intending to take the AP test should enroll in this course following level III.

Placement Exams

Placement exams have been designed to help place transfer students and offer motivated students an opportunity to accelerate their learning and skip a level. Advancement to a higher-level modern language class is contingent upon an overall test score of 80%. In addition, students must pass each of the core competency tests (listening, reading, grammar/vocabulary, writing and speaking) with a 70%. Students advancing to a higher level will not receive credit for courses in which they were not enrolled. Placement test outlines and details are available from modern language teachers and the guidance office. Students should contact the guidance office first to inquire about taking a placement test. The counseling office will then notify the building chair to begin the process of taking the placement test.

Heritage Language Speakers: Students with heritage language speaking skills (in French, German or Spanish) and who desire to study this language **will be placed in level 3 of native language or can take placement tests to see if a higher level is appropriate.** Students should contact the modern language department prior to enrolling for proper level placement based on listening, speaking, reading, and writing abilities.

NOTE: Students who enroll in French I or Spanish I during their freshman year will be on track to take AP French or AP Spanish their senior year only if they skip a level based on a placement test. Students who enroll in German I during their freshman year will be on track to take AP German their senior year. According to the College Board, some of the benefits for students who elect to take an AP course in high school are: “stand out in college admission, earn college credits, possibly skip introductory courses in college and build college readiness skills.”

MODERN LANGUAGE COURSE DESCRIPTIONS

FIRST YEAR LANGUAGE

FOR 111/112 FRENCH I
FOR 211/212 GERMAN I
FOR 311/312 SPANISH I
(Yearly 1 Credit) (9, 10, 11, 12)

The aim of this course is to provide students with a basis for learning a modern language as it is spoken and written today. Students will receive instruction in the grammar and structure of the language. Emphasis is given to developing the students' basic language skills: listening comprehension, speaking, reading and writing. Aural and oral proficiency is stressed. A second aim is to increase the students' awareness and understanding of the people and culture of the target language. Students are assessed using Standards Based Grading Methods and are based upon listening, reading, writing and speaking competence.

SECOND YEAR LANGUAGE

FOR 121/122 FRENCH II
FOR 221/222 GERMAN II
FOR 321/322 SPANISH II
(Yearly 1 Credit) (10, 11, 12)
Prerequisite: Pass Level I or meet requirements of Placement Exam

This course, a continuation of the first-year program, provides students with an in-depth explanation of grammar and language structure. Listening, writing and speaking skills are expanded and an understanding of the language and culture is further developed. Students are assessed using Standards Based Grading Methods and are based upon listening, reading, writing and speaking competence.

THIRD YEAR LANGUAGE

FOR 131/132 FRENCH III
FOR 231/232 GERMAN III
FOR 331/332 SPANISH III
(Yearly 1 Credit) (11, 12)
Prerequisite: Pass Level II or meet requirements of Placement Exam

This course is directed at developing the student's communicative skills. The students review major principles and learn fine points of structure. Students will sharpen skills for reading in the target language. Practical application of the language is emphasized through the use of written, audio and video texts. Evaluation is based upon communicative competence, written and oral, and objective testing in content areas.

FOURTH YEAR LANGUAGE

FOR 341/342 SPANISH IV
FOR 340/349 BLENDED SPANISH IV
(Yearly 1 Credit) (11, 12)
Prerequisite: Pass Level III or meet requirements of Placement Exam

Communication and grammar are emphasized through the culture, literature, and history of the target population. Students' understanding of target language is enhanced through the use of video and audio texts. Students' reading skills are enhanced through the use of authentic texts. Evaluation is based upon written and oral communicative competence, as well as objective testing in content areas. AP testing is available upon request.

FOR 151/152 AP FRENCH
FOR251/252 AP GERMAN
FOR 351/352 AP SPANISH
(Yearly 1 Credit) (12) (AP level)
Prerequisite: Students must have a "B" or higher in preceding level in order to advance to next level of language study.

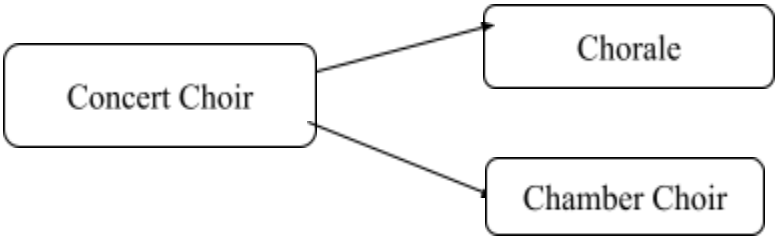
Communication and grammar are emphasized through the culture, literature, and history of the target population. Students' understanding of native speech is enhanced through the use of video and audio texts. Evaluation is based upon written and oral communicative competence, as well as object testing in content areas. Practice AP (Advanced Placement) exams will be used to monitor student progress. AP testing is available upon request.

**Spanish 3 students who want to continue but not take the Spanish AP test may enroll in Spanish IV. French 3 and German 3 students who want to continue should enroll in AP French or AP German regardless if they are planning on taking the AP test or

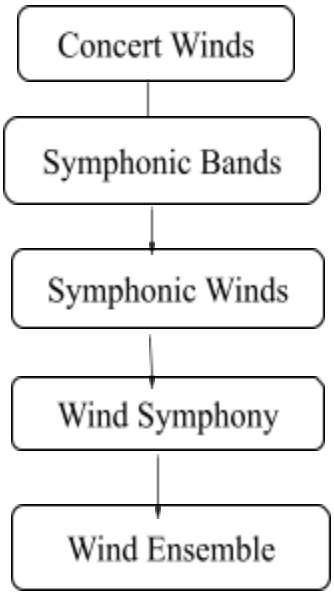
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Music

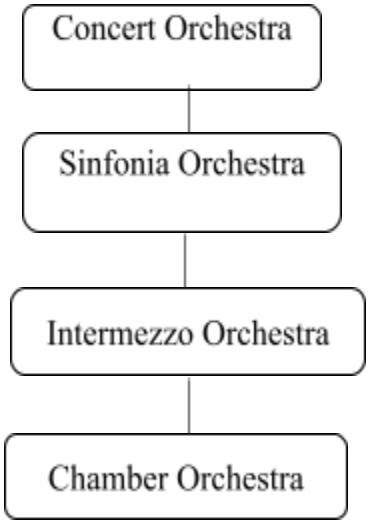
Choirs



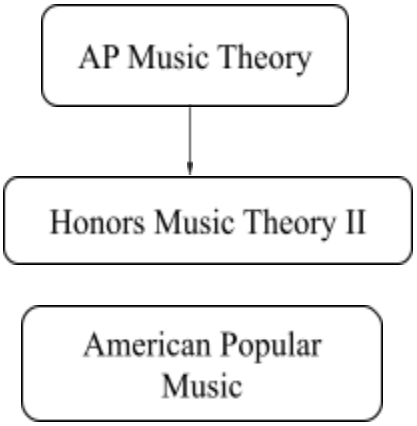
Bands



Orchestras



Electives



Note: See course list for prerequisites

MUSIC COURSE LIST

All Elective Courses

SUBJECT	GRADES	PREREQUISITES
Concert Choir	9, 10, 11, 12	None
Chorale	10, 11, 12	"B" or higher in Concert Choir and/or proficiency through an audition
Chamber Choir	10, 11, 12	"B" or higher in Chorale or Concert Choir and/or proficiency through an audition
Concert Winds	9, 10, 11, 12	Four years instrumental experience and/or proficiency determined through an audition
Symphonic Band	9, 10, 11, 12	Four years instrumental experience and/or proficiency determined through an audition
Symphonic Winds	9, 10, 11, 12	Four years instrumental experience and/or proficiency determined through an audition
Wind Symphony	9, 10, 11, 12	Four years instrumental experience and/or proficiency determined through an audition
Wind Ensemble	9, 10, 11, 12	Four years instrumental experience and/or proficiency determined through an audition
Concert Orchestra	9, 10, 11, 12	Four years instrumental experience and/or proficiency determined through an audition
Sinfonia Orchestra	9, 10, 11, 12	Four years instrumental experience and/or proficiency determined through an audition
Intermezzo Orchestra	9, 10, 11, 12	Four years instrumental experience and/or proficiency determined through an audition
Chamber Orchestra	9, 10, 11, 12	Four years instrumental experience and/or proficiency determined through an audition
American Popular Music	10, 11, 12	None
AP Music Theory	11, 12	Membership in Chamber Choir, Wind Ensemble, or Chamber Orchestra, or 80% or higher score on proficiency exam
Honors Music Theory II	11, 12	Completion of AP Music Theory

Music Course Descriptions

MUS 211/212 CONCERT CHOIR
(Yearly 1 Credit) (9, 10, 11, 12)
Prerequisite: None

Concert Choir is open to all students, regardless of their musical experience. Students will perform quality choral literature in a variety of styles. Students will be taught basic musicianship skills, such as proper vocal production, tone quality, sight-reading, and music theory. Students will be assessed on the quality of their rehearsal and performance preparedness and etiquette. Students will also be assessed on written and performed musical proficiency, including musical literacy knowledge and skills, musical production knowledge and application, and performance skills and artistry. Because this is a performance-based class, attendance is required at all rehearsals and performances, which typically take place outside of the school day.

MUS 311/312 CHORALE
(Yearly 1 Credit) (10, 11, 12)
Prerequisite: "B" or higher in Concert Choir, proficiency on music theory targets, and an audition.

Chorale is open to all 10th, 11th, and 12th grade singers who demonstrate musical proficiency through an audition, and have a "B" or higher in all theory components from Concert Choir. Students will perform quality choral literature in a variety of styles. Students in this intermediate choir will be taught advanced musicianship skills, such as proper vocal production, tone quality, sight-reading, and music theory. Students will perform a variety of advanced-level choral literature in a variety of styles. Students will be assessed on the quality of their rehearsal and performance preparedness and etiquette. Students will also be assessed on written and performed musical proficiency, including musical literacy knowledge and skills, musical production knowledge and application, and performance skills and artistry. Because this is a performance-based class, attendance is required at all rehearsals and performances, which typically take place outside of the school day.

MUS 411/412 CHAMBER CHOIR
(Yearly 1 Credit) (10, 11, 12)
Prerequisite: "B" or higher in Chorale or Concert Choir, proficiency on music theory targets, and an audition.

Chamber Choir is open to all 10th, 11th, and 12th grade students who demonstrate musical proficiency through an audition, and have a "B" or higher in all theory components from Chorale or Concert Choir. Students will perform advanced, high-quality choral literature in a variety of styles. Students will be taught advanced musicianship skills, such as proper vocal production, tone quality, sight-reading, and music theory. Students will perform a variety of advanced-level choral literature in a variety of styles. Students will be assessed on the quality of their rehearsal and performance preparedness and etiquette. Students will also be assessed on written and performed musical proficiency, including musical literacy knowledge and skills, musical production knowledge and application, and performance skills and artistry. Because this is a performance-based class, attendance is required at all rehearsals and performances, which typically take place outside of the school day.

MUS 141/142 CONCERT WINDS
(Yearly 1 Credit) (9, 10, 11, 12)
Prerequisite: Four years instrumental experience and / or proficiency determined through an audition.

Concert Winds is a performance-based class offered to students with four years of instrumental experience and proficiency determined through an audition. Students will perform a variety of quality literature in a variety of styles. Students will be graded on musical literacy, production knowledge (instrumental technique), performance skills, and rehearsal/performance professionalism. Performances typically take place outside of the school day, and on occasion, rehearsals are also scheduled outside of the school day. Because this is a performance-based class, attendance is required at these events.

MUS 241/242 SYMPHONIC BAND
(Yearly 1 Credit) (9, 10, 11, 12)
Prerequisite: Four years instrumental experience and / or proficiency determined through an audition.

Symphonic Band is a performance-based class offered to students with four years instrumental experience and or proficiency determined through an audition. Students will perform a variety of quality literature in a variety of styles. Students will be graded on musical literacy, production knowledge (instrumental technique), performance skills, and rehearsal/performance professionalism. Performances typically take place outside of the school day, and on occasion, rehearsals are also scheduled outside of the school day. Because this is a performance-based class, attendance is required at these events.

MUS 341/342 SYMPHONIC WINDS
(Yearly 1 Credit) (9, 10, 11, 12)
Prerequisite: Four years instrumental experience and / or proficiency determined through an audition.

Symphonic Winds is a performance-based class offered to students with four years instrumental experience and proficiency determined through an audition. Students will perform a variety of quality literature in a variety of styles. Students will be graded on musical literacy, production knowledge (instrumental technique), performance skills, and rehearsal/performance professionalism. Performances typically take place outside of the school day, and on occasion, rehearsals are also scheduled outside of the school day. Because this is a performance-based class, attendance is required at these events.

MUS 351/352 WIND SYMPHONY
(Yearly 1 Credit) (9, 10, 11, 12)
Prerequisite: Four years instrumental experience and / or proficiency determined through an audition.

Wind Symphony is a performance-based class offered to students with four years of instrumental experience and proficiency determined through an audition. Students will perform a variety of quality literature in a variety of styles. Students will be graded on musical literacy, production knowledge (instrumental technique), performance skills, and rehearsal/performance professionalism. Performances typically take place outside of the school day, and on occasion, rehearsals are also scheduled outside of the school day. Because this is a performance-based class, attendance is required at these events.

MUS 441/442 WIND ENSEMBLE
(Yearly 1 Credit) (9, 10, 11, 12)
Prerequisite: Four years instrumental experience and / or proficiency determined through an audition.

Wind Ensemble is a performance-based class offered to students with four years instrumental experience and proficiency determined through an audition. Students will perform a variety of quality literature in a variety of styles. Students will be graded on performance skills, technical proficiency, knowledge of terms and notations, written assignments and class participation. Because this is a performance-based class, attendance is required at all rehearsals and performances, which typically take place outside of the school day.

MUS 231/232 CONCERT ORCHESTRA
(Yearly 1 Credit) (9, 10, 11, 12)
Prerequisite: Four years instrumental experience and/or proficiency determined through an audition.

Concert Orchestra is a performance-based class that is offered to all students with a minimum of four years of string playing experience and/or proficiency as determined through an audition on violin, viola, cello, or string bass. This entry-level orchestra works on developing basic techniques, including accurate tuning, intonation, two-octave scales, bowings, shifting, vibrato, and tone quality. Students will perform a variety of quality orchestral literature. Students will be graded on performance skills, technical proficiency, written assignments, and class participation, along with rehearsal and concert attendance. Because this is a performance-based class, attendance is required at all rehearsals and performances, which typically take place outside of the school day.

MUS 331/332 SINFONIA ORCHESTRA
(Yearly 1 Credit) (9, 10, 11, 12)
Prerequisite: Four years instrumental experience and/or proficiency determined through an audition.

Sinfonia Orchestra is a performance-based class that is offered to all students with a minimum of four years of string playing experience and / or proficiency as determined through an audition on violin, viola, cello, or string bass. This medium -advanced level orchestra continues to develop musicianship skills, including intonation, two and three-octave scales, bowings, shifting, vibrato, and tone quality. Students will perform a variety of quality orchestral literature. Students will be graded on performance skills, technical proficiency, written assignments, and class participation, along with rehearsal and concert attendance. Because this is a performance-based class, attendance is required at all rehearsals and performances, which typically take place outside of the school day.

MUS 361/362 INTERMEZZO ORCHESTRA
(Yearly 1 Credit) (9, 10, 11, 12)
Prerequisite: Four years instrumental experience and/or proficiency determined through an audition.

Intermezzo Orchestra is a performance-based class that is offered to all students with a minimum of four years of string playing experience and/or proficiency as determined through an audition on violin, viola, cello, or string bass. This medium-advanced level orchestra continues to develop more advanced musicianship skills, including intonation, three octave scales, bowings, shifting, vibrato, and tone quality. Students will perform a variety of quality orchestral literature. Students will be graded on performance skills, technical proficiency, written assignments, and class participation, along with rehearsal and concert attendance. Because this is a performance-based class, attendance is required at all rehearsals and performances, which typically take place outside of the school day.

MUS 431/432 CHAMBER ORCHESTRA
(Yearly 1 Credit) (9, 10, 11, 12)
Prerequisite: Four years instrumental experience and/or proficiency determined through an audition.

Chamber Orchestra is a performance-based class that is offered to all students with a minimum of four years of string playing experience and / or proficiency as determined through an audition on violin, viola, cello, or string bass. This top-level orchestra continues to develop advanced musicianship skills including intonation, three-octave scales, bowings, shifting, vibrato, and tone quality. Students will perform a variety of advanced-level quality orchestral literature. Students will be graded on performance skills, technical proficiency, written assignments, and class participation, along with rehearsal and concert attendance. Because this is a performance-based class, attendance is required at all rehearsals and performances, which typically take place outside of the school day.

MUS 251/252 AMERICAN POPULAR MUSIC
(Semester 1/2 Credit) (10, 11, 12)
Prerequisite: None

This course is designed for students who are interested in music, but are not currently enrolled in Band, Choir, or Orchestra performing ensembles. Students will increase and broaden their appreciation and understanding of American culture by studying American popular music. Students will learn to recognize specific musical styles, genres, and performers. They will also study the cultural trends, sounds, characteristics, and the messages of popular music. Specific genres covered will include jazz, blues, musical theater, country, rock, pop and hip-hop music.

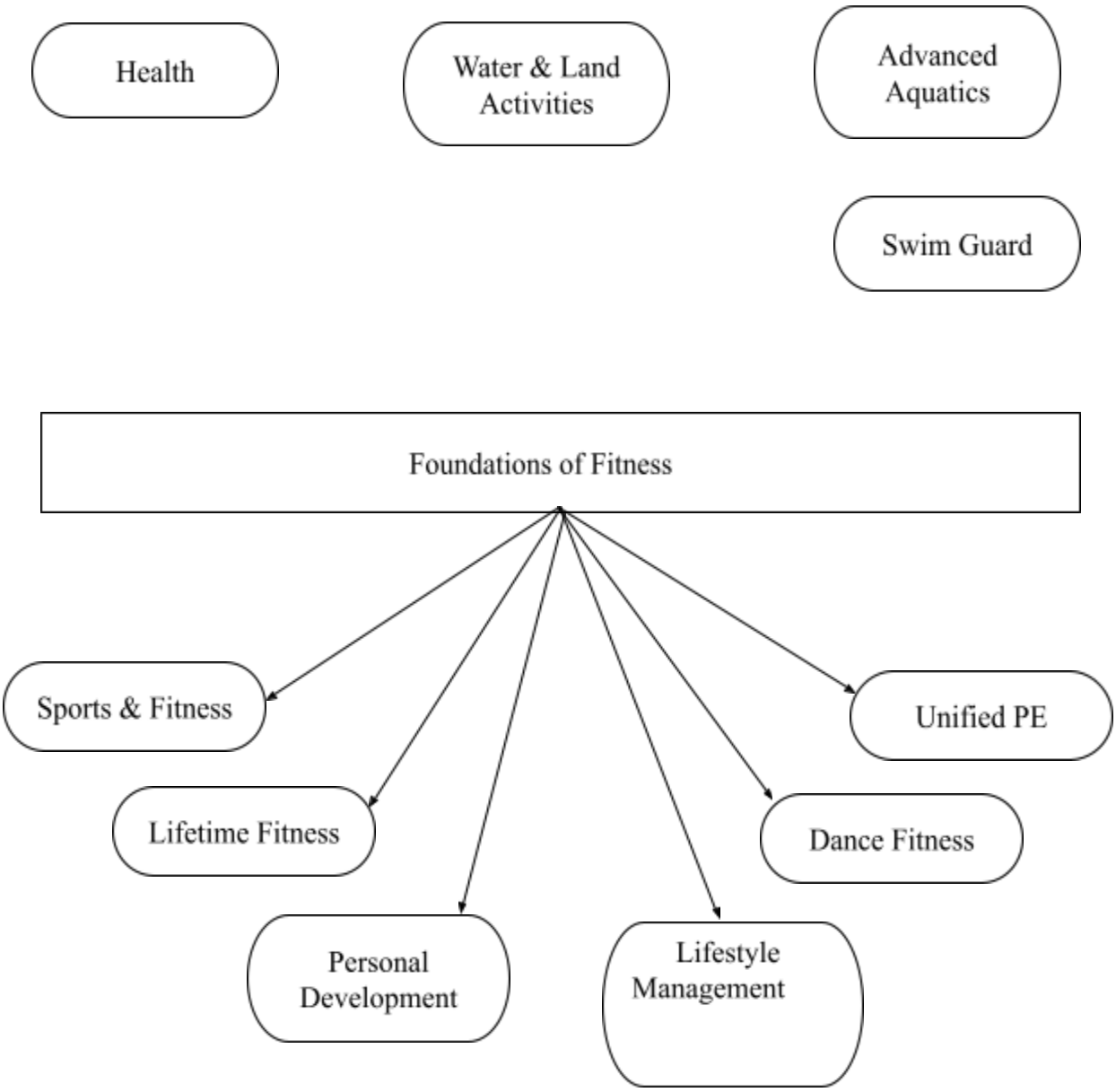
MUS 451/452 AP MUSIC THEORY
(Semester 1/2 Credit) (11, 12) (AP Level)
Prerequisite: Membership in Chamber Choir, Wind Ensemble, or Chamber Orchestra, or 80% or higher grade on proficiency exam.

Students study the structure of music, harmony, composition, ear training, form, and analysis. This course is strongly recommended for those who wish to pursue music beyond high school. Students enrolled in this course will have the opportunity to take the Advanced Placement exam in May at their own expense.

MUS 461/462 HONORS MUSIC THEORY II - ARRANGING AND COMPOSITION
(Semester ½ credit) (11, 12)
Prerequisite: Completion of AP Music Theory.

This course furthers the student's understanding of music theory through the development of their composing and arranging skills. Students will study compositional techniques, orchestration, and best practices in arranging for vocal and instrumental ensembles. Students will complete original compositions and arrangements that can be included in their music portfolio.

Physical Education



PHYSICAL EDUCATION COURSE LIST

SUBJECT	GRADES	PREREQUISITES
Health	9, 10	None
Drivers Education/Swim	9, 10	None
Foundations of Fitness	9, 10	None
Sports and Fitness	10, 11, 12	Foundations of Fitness
Lifetime Fitness	10, 11, 12	Foundations of Fitness
Personal Development	10, 11, 12	Foundations of Fitness
Dance Fitness	10, 11, 12	Foundations of Fitness
Water and Land Activities	9, 10, 11, 12	None
Advanced Aquatics	9, 10, 11, 12	None
Swim Guard	10, 11, 12	Current Lifeguard Certification
Lifestyle Management	10, 11, 12	None
Unified Physical Education	10, 11, 12	“C” or better in previous PE course(s) or counselor recommended

PHYSICAL EDUCATION COURSE DESCRIPTIONS

Students will enroll in one PE class per semester.

Students are required to enroll in PE every semester they are in school even when they have attained 3.5 credits. Unit 5 expects that all students to participate in a Physical Education course that includes swimming content. Therefore, students who decide to take Driver's Education through a private company will be expected to register for WALA or Advanced Aquatics.

PE modification form required for extenuating circumstances that impact participation in PE courses.

Due to facility limitations, students may be placed into a PE course that is different from the one selected during course registration.

PHY 051/052 HEALTH
(Semester 1/2 Credit) (9, 10)
Health education will allow students to use higher level thinking in order to make informed health decisions. A variety of learning activities and student-centered discussions will be applied to the following topics: wellness, mental health, stress management, making healthy food choices, lifelong fitness, alcohol and substance abuse, human sexuality, and current health topics. A physical fitness component may be incorporated. **This course is required for graduation**.

PHY 101/111 DRIVER EDUCATION/SWIM
PHY 102/112 (Semester 1/2 Credit) (9, 10)
All students will enroll in nine weeks of swimming when enrolled in Unit 5 Driver's Education
This course is designed to introduce students to a variety of swim techniques. Students will experience a variety of swim activities including, stroke development, fitness activities, diving, and water safety techniques. This is a nine-week course taken in conjunction with the classroom portion of driver's education. *See page 75 for eligibility requirements*

PHY 131/132 FOUNDATIONS OF FITNESS
(Semester ½ Credit) (9, 10) One Time Enrollment Only
This course is an introduction to physical education that provides an overview of PE activities. This class will provide a foundation of fitness components and concepts that students will be able to build upon in future physical education classes. Students will develop physical and health-related fitness skills through participation in individual and team activities.
**This course meets the prerequisite requirement for other PE electives.*

PHY 201/202 SPORTS and FITNESS
(Semester 1/2 Credit) (10, 11, 12)
Recommended: Foundations of Fitness
This course is designed to continue developing students' knowledge of the benefits of personal fitness. All students in this course will be engaged in a variety of projects that support the development of their personal fitness levels. Fitness concepts and terminology include: heart rate monitoring, FITT principle, and 5 components and skill related components of fitness. This is a fitness-based course that will include but is not limited to: Softball, Soccer, Frisbee, Basketball, Volleyball, Lacrosse and Hockey.

PHY 301/302 LIFETIME FITNESS
(Semester 1/2 Credit) (10, 11, 12)
Recommended: Foundations of Fitness
This course is designed to continue developing students' knowledge of the benefits of personal fitness. All students in this course will be engaged in a variety of projects that support the development of their personal fitness levels. Fitness concepts and terminology include: heart rate monitoring, 5 components of fitness, and FITT principle. This is a fitness-based course that will include but is not limited to: Tennis, Eclipse ball, Frisbee, Badminton, Pickle-ball and Hockey.

PHY 401/402 PERSONAL DEVELOPMENT
(Semester 1/2 Credit) (10, 11, 12)
Recommended: Foundations of Fitness

Personal Development is a strength, power, and speed training course designed to help students develop physical fitness and improve athletic performance through a heavily structured weight lifting program. Students will learn and apply proper lifting techniques while participating in progressive resistance training using free weights and other training methods. Students will track their training and progress throughout the course while developing skills and habits that can be applied to athletics, general fitness, and lifelong health. Other topics including basic sport nutrition, training methods, and body anatomy will be covered. The course is appropriate for both athletes and non-athletes, all genders, as well as students new to or experienced in strength training. This class is in the weight room M/W/F, and either the cardio room or gym on T/TH.

PHY 501/502 DANCE FITNESS
(Semester 1/2 Credit) (10, 11, 12)
Recommended: Foundations of Fitness

Dance Fitness is a course designed to have students physically active and educated through a variety of dance forms. Students will develop fitness and movement skills while participating in aerobic, cultural, social, classical, and modern styles of dances. While exploring creative expression through dance, students will demonstrate choreographic concepts and principles. Students will investigate dance history, techniques, terminology, and styles through a variety of written and performance-based assessments. Students engage in the art form of dance through multiple perspectives to make connections between dance, self, community and worldwide.

PHY 601/602 WATER AND LAND ACTIVITIES
(Semester 1/2 Credit) (9, 10, 11, 12)
Recommended: None

This course will include physical education activities both in the water and on land. This course will include a variety of water activities, as well as land/aerobic activities and games. This course is for students who complete Drivers Education off campus or for students that do not qualify to enroll in Drivers Education during the school year. Course content includes: American Red Cross Aquatic Swimming Levels, Water/Land Games and Activities, and Water/Land Fitness Activities.

PHY 631/632 ADVANCED AQUATICS
(Semester 1/2 Credit) (9, 10, 11, 12)
Recommended: None. This course is open to any student 15 years of age by the end of the course. Students can take this course without becoming a certified lifeguard.

This course is focused on training students to become an American Red Cross certified lifeguard. The course will develop student's swimming skills, as well as muscular and cardiovascular endurance. The primary purpose of this course is to provide entry-level lifeguard participants with knowledge and skills to prevent, recognize and respond to aquatic emergencies and to provide professional-level care for breathing and cardiac emergencies, injuries, and sudden illness until emergency medical services (EMS) personnel take over.

Each student will have the option of receiving American Red Cross certification in Lifeguarding & CPR/AED. First Aid is included with these certifications. A Certification card can be obtained at additional costs. The certification includes successful demonstrations of 3 pre-requisites tests, two final timed scenarios, and two written finals (CPR/FIRST AID & BASIC SKILLS). These standards (tests) are set by the American Red Cross. The Lifeguard Certification is active for 2 years from the date of completion of the class. Students can take Advanced Aquatics each semester.

PHY 651/652 SWIM GUARD
(Semester 1/2 Credit) (10, 11, 12)
Prerequisite: Current Lifeguard Certification

This course is designed for students that currently hold an American Red Cross lifeguard certification. Students will be active lifeguards for students who use the high school pool during the school day. This course has a strict attendance/tardy policy. Students must present themselves and act in a professional manner to be maintained as a swim guard. Students will be required to attend in service sessions in order to maintain their skills. The lifeguard certification can only be provided if 15 years or older.

PHY 701/702 LIFESTYLE MANAGEMENT
(Semester Course 1/2 Credit) (10, 11, 12)

Lifestyle management is a Physical Education course with a focus on personal wellness. Throughout this course, students will experience a positive approach to their own self-improvement for a better life now and in the future. Students will engage in activities such as weight training, Pilates, yoga, cardiovascular workouts, and lifelong sports. In addition, students will develop different kinds of workouts and do personal mental and physical assessments in order to reach their goals.

PHY 801/802 UNIFIED PHYSICAL EDUCATION
(Semester ½ Credit) (10, 11, 12)
Prerequisite: "C" or better in previous PE courses or counselor recommended.

Unified PE is designed to strengthen Project UNIFY which is endorsed by numerous schools throughout the district. Unified PE will meet state standards for physical education while promoting relationships between general education peers and peers in special education. The student will be in the class as a positive role model and peer teacher to the students who have an IEP. They will learn the different aspects of individual disabilities both physically and behaviorally. The students will participate in fitness gram testing, swimming and recreational/leisure activities.

Driver Education



DRIVER'S EDUCATION COURSE LIST

SUBJECT	GRADES	PREREQUISITES
Safety-Driver Education	9, 10, 11, 12	*None
Behind-the-Wheel Driver Education	10, 11, 12	*Completes/Passing grade in Classroom Phase

*To be eligible for enrollment in either phase of Driver Education, the students must have received a passing grade in at least eight (8) courses during the previous two semesters. (House Bill 418 – Public Act 88-188 – Effective 1/1/94)

DRIVER EDUCATION COURSE DESCRIPTIONS

DRV 101/111 SAFETY - DRIVER EDUCATION
DRV 102/112 (9 weeks; ¼ Credit) (9, 10, 11, 12)

DRV 103/113 DRIVER'S EDUCATION FOR SPECIAL EDUCATION STUDENTS
DRV 104/114 (9 weeks; ¼ (Credit) (9, 10, 11, 12)

Students are placed into Driver Education based on their birthdate and age. If a student turns 15 after December 31, 2027, they WILL NOT take Driver Education until the following school year. If a student turns 15 prior to December 31, 2027, they will register for one of the sections below.

Turns 15…	1st quarter	2nd quarter	3rd quarter	4th quarter
Before May 1, 2027	DRV101	PHY101		
Between May 1, 2027 & July 31, 2027	PHY111	DRV111		
Between August 1, 2027 & October 15, 2027			DRV102	PHY102
Between October 16, 2027& December 31, 2027			PHY112	DRV112

Classroom Phase –Driver Education is a State approved program which consists of a minimum of 30 hours of classroom instruction. Students are enrolled in this class the semester after they turn 15. (See Above) The application fee ($20) will be collected approximately two weeks into the classroom instruction. The fee for this course is $100 For those individuals completing the classroom phase (approximately nine weeks), the student will then begin nine weeks of swimming with that instructor. *The state of Illinois determines the number of hours for this course. Students may be dropped if they exceed the number of allowable absences. Please see your teacher for details.*

The classroom portion covers the Illinois Rules of the Road booklet which outlines the rules and laws that apply to driving. Students will learn how to handle various situations they will encounter in different driving settings. Defensive driving will always be the main emphasis throughout the class.

Any student who does NOT take Safety-Driver's Education classroom at their respective high school will need to sign up for Water and Land Activities during their freshman or sophomore year.

During the semester of Drivers Education, students will be in nine weeks of Drivers Education classroom and nine weeks of Drivers Ed/Swim PE.

BEHIND-THE-WHEEL DRIVER EDUCATION
(No Credit) (10, 11, 12)
Prerequisite: Completes and Passes Classroom Phase

NOTE:

- Behind-the-wheel scheduling is done by the Driver Education Coordinator.
- It will **not** show up on class schedule or transcript.
- Behind-the-wheel fee is not due until students are scheduled into driving.
- **Space in Behind-the-wheel is limited.**

Beginning maneuvers such as starting, stopping, backing, etc. in light residential traffic, moderate city traffic, two-line highway, heavier suburban traffic, limited access (Interstate) traffic, and heavy city traffic will be covered. During the above lessons,

students will learn to recognize the problems relating to that particular lesson and how defensively the driver may respond appropriately.

Behind the wheel (BTW) instruction consists of a minimum of 6 hours of driving and 6 hours of observation. BTW runs over a 6-week period during the school year. Students will drive every day in a variety of driving environments ranging from residential to interstate. Students are scheduled after they have completed the classroom phase and have a valid permit. **(Behind the Wheel will not appear on the student's schedule.)** The oldest students are placed first depending on availability. A signup form for BTW is given during the classroom phase. At the time of publication, the BTW fee is $300. Those families that qualify for the reduced or free lunch program may have the Driver Education fee waived or reduced.

Behind the wheel phase may be done through the following ways: lunch/homeroom or summer session.

Science

Grade 9	Grade 10	Grade 11	Grade 12
Biology ***or*** Honors Biology	● Chemistry ● Honors Chemistry ● BSAA ● PSAA ***(some students may double up with Physics)***	● Physics (***requirement for all AP classes)*** ***(some students double or triple up with physics and 1+ of the following):*** ● Advanced Placement Biology/Chemistry/Physics ● Dual Credit Chemistry ● Dual Credit Environment Earth ● Biological Engineering ● Earth & Space Science ● Environmental Earth ● Molecular and Structural Biology ● BSAA ● PSAA	

Sample Honors Plan

Grade 9	Grade 10	Grade 11	Grade 12
Honors Biology	Honors * Chemistry	Physics* or Science Elective	Advanced Placement Biology/Chemistry/Physics

Sample 3-Year Plan

Grade 9	Grade 10	Grade 11	Grade 12
Biology	Chemistry	*Physics* or Science Elective	

Sample 4-Year Plan

Grade 9	Grade 10	Grade 11	Grade 12
Biology	Chemistry *	Physics* or Science Elective	Dual Credit/Advanced Placement/Elective*

*Note: More than one science course can be taken in the same school year

SCIENCE DEPARTMENT COURSE LIST

Graduation Requirement of 2 Credits

SUBJECT	GRADES	PREREQUISITES
Biology I	9, 10	None
Honors Biology	9, 10	Meets or exceeds on math IAR 3.0 Math and Science standards or recommendation of Teachers/Counselors
Biological Science Applications in Agriculture	10, 11, 12	Biology (Intro to AFNR Recommended)
Physical Science Applications in Agriculture	10, 11, 12	Biology (Intro to AFNR Recommended)
Molecular and Structural Biology	11, 12	Two Years of Science
AP Biology	11, 12	Phys I or Current enroll in Phys I
Chemistry I	10, 11, 12	Completion of Algebra I (or concurrent enrollment)
Honors Chemistry	10, 11, 12	"B" or higher in Algebra I
Fundamentals of Chemistry Dual Credit	11, 12	Two Years of Science
AP Chemistry	11, 12	Physics I or current enrollment in Physics I
Physics I	10, 11, 12	"C" or higher in Geometry or Honors Geometry. Credit or current enrollment in Chemistry I or Honors Chemistry. *Students who received an "A" in Algebra 2 w/ Trigonometry or Honors Algebra 2 w/Trigonometry may take as a Sophomore.
AP Physics C	11, 12	C" or higher in Physics I and Completion or concurrent enrollment in College Algebra
Environment Earth	11, 12	Two Years of Science
Environment Earth Dual Credit	11, 12	Two years of Science; "C" or higher in previous Science courses
Earth and Space Science	11, 12	Successful completion of 2 years of science
Biological Engineering	11, 12	Two years of Science

SCIENCE COURSE DESCRIPTIONS

SCI 101/102 BIOLOGY I
(Yearly 1 Credit) (9, 10)

This course is based upon fundamental life sciences concepts, which include cells and cellular energy, ecology, populations, Mendelian and molecular genetics, as well as the structure and function of animals. Real life connections to the curriculum are stressed, as are hands-on laboratory activities. Students can expect to develop both critical thinking and problem-solving skills throughout the course.

SCI 201/202 HONORS BIOLOGY
(Yearly 1 Credit) (9, 10) (Honors Level)
Prerequisite: Mastery of 8th Grade Math and Science standards; or recommendation of Teachers/Counselors.

This course is based upon fundamental life sciences concepts, which include cells and cellular energy, ecology, populations, Mendelian and molecular genetics, as well as the structure and function of animals. Real life connections to the curriculum are stressed, as are hands-on laboratory activities. Students can expect to develop both critical thinking and problem-solving skills as they navigate through a more challenging level of study at an accelerated pace.

SCI 331/332 BIOLOGICAL SCIENCE APPLICATIONS IN AGRICULTURE (BSAA)
(Semester ½ credit, Yearly 1 Credit) (10, 11, 12)
1st Semester: Animal 2nd Semester: Plant
Prerequisites: Biology I (both semesters); Intro to AFNR (Recommended)

BSAA is designed to reinforce and extend students' understanding of science by associating basic scientific principles and concepts with relevant applications in agriculture. This course will use numerous laboratory experiments and exercises as the main instruction tool. Topics of instruction will include: Introduction to Plant & Animal Sciences, Soil & Soilless Plant Systems, Plant Anatomy & Physiology, Taxonomy, Plant & Animal Nutrition, Cells, History & Uses of Animals, Genetics & Evolution. In addition, students will make connections between lessons, college and career readiness and their development as leaders. ****Meets graduation requirement for a Science credit but does not meet criteria for NCAA eligibility.**

***Curriculum for Agricultural Science Education (CASE)** is a nationally recognized high school agricultural education curriculum that uses rigorous and relevant curriculum through a project-based approach that engages students with science, mathematics, and English language understanding.

SCI 341/342 PHYSICAL SCIENCE APPLICATIONS IN AGRICULTURE (PSAA)
(Yearly 1 Credit) (10, 11, 12)
Prerequisites: Biology I (both semesters); Intro to AFNR (Recommended)

Physical Science Applications in Agriculture (PSAA) is designed to reinforce and extend students' understanding of science by associating basic physical science and engineering concepts with relevant applications in agriculture. This course will use numerous laboratory experiments, projects, and problem-solving exercises as the main instruction tools. Topics of instruction will include: Introduction to Ag, Power and Technology, Measurement, Material Properties, Energy, Machines and Structures, and Mechanical Applications. In addition, students will make connections between lessons, college and career readiness and their development as leaders. **This course is designated as a STEM Concentration Course*. ****Meets graduation requirement for a Science course but does not meet criteria for NCAA eligibility.**

***Curriculum for Agricultural Science Education (CASE)** is a nationally recognized high school agricultural education curriculum that uses rigorous and relevant curriculum through a project-based approach that engages students with science, mathematics, and English language understanding.

SCI 361/362 MOLECULAR AND STRUCTURAL BIOLOGY
(Yearly 1 Credit) (11, 12)
Prerequisite: Successful completion of two years of Science

This course is designed for juniors and seniors who are interested in a science related career. The curriculum will focus on Mendelian and molecular genetics, cell specialization, as well as the anatomy and physiology of the human body. Students will conduct many in class laboratory investigations and a variety of dissections. NOTE: Students completing AP (Advanced Placement) Biology are not eligible to enroll in Molecular and Structural Biology.

SCI 401/402 ADVANCED PLACEMENT BIOLOGY
SCI400/409 BLENDED ADVANCED PLACEMENT BIOLOGY
(Yearly 1 Credit) (11, 12) (AP Level)
Prerequisite: Physics I or current enrollment

This course is designed for juniors and seniors who are planning a career in the health sciences or those who are interested in an in-depth study of cells, cell communication and cellular energy, Mendelian and molecular genetics, biochemistry, populations and ecology. This course has the equivalent level of material that would be covered in a freshman level college class and is designed to prepare students for the Advanced Placement exam in May. Students earning a high score on this exam may receive college credit depending upon their college choice. NOTE: Students completing AP (Advanced Placement) Biology are not eligible to enroll in Molecular and Structural Biology.

SCI 451/452 CHEMISTRY I
(Yearly 1 Credit) (10, 11, 12)
Prerequisite: Completion of Algebra 1 or concurrent enrollment

This is a laboratory course that deals with matter and energy, as well as the changes that take place through chemical interaction. Successful completion of this course will help students to develop their problem solving and critical thinking skills.

SCI 501/502 HONORS CHEMISTRY
(Yearly 1 Credit) (10, 11, 12) (Honors Level)
Prerequisite: "B" or higher in Algebra 1

This course deals with matter and energy as well as the changes that can take place through chemical interaction. The course is designed for the student who desires a more challenging level of study at an accelerated pace. Students are guided through the course with class discussions, individual work and laboratory investigations.

SCI 561/562 FUNDAMENTALS OF CHEMISTRY – DUAL CREDIT
(Yearly 1 Credit) (11, 12)
Prerequisite: "B" or higher in Chemistry or Honors Chemistry

This is a year-long survey of general, organic, and biological chemistry for students who plan to pursue a health-related profession or who have an interest in chemistry. An emphasis is placed on the relationship between chemistry and life through issues and examples from the health, medical, and environmental fields. Laboratory exercises are used to reinforce the lecture material. *Heartland Community College dual credit can be achieved for Fundamentals of Chemistry.*

SCI 601/602 ADVANCED PLACEMENT CHEMISTRY
SCI 600/609 BLENDED ADVANCED PLACEMENT CHEMISTRY
(Yearly 1 Credit) (11, 12) (AP Level)
Prerequisite: Physics I or Current Enrollment in Physics I

This course is equivalent to a first-year college chemistry class. Completion of laboratory exercises is a requirement of the course. The course covers topics found on the AP Chemistry exam that students may choose to take in the spring. Exam location and costs will be made available during the year. Those who reach a high level of proficiency in this course should be able to gain advanced standing in college chemistry, depending on college requirements.

SCI 651/652 PHYSICS I
SCI 650/659 BLENDED PHYSICS I
(Yearly 1 Credit) (10*, 11, 12)
Prerequisite: "C" or higher in Geometry or Honors Geometry. Credit or current enrollment in Chemistry I or Honors Chemistry.
***Students who have received an "A" in Algebra 2 w/ Trigonometry or Honors Algebra 2 w/Trigonometry may take Physics as a Sophomore.**

Physics is a laboratory course that examines the physical laws and principles that govern nature. The general areas that are studied are: motion, forces, energy, waves, optics, electricity, and nuclear energy. Emphasis will be placed on understanding the concepts of physics and then to analyze the concepts mathematically. The problem-solving skills developed in this course are transferable to many areas outside of physics.

SCI 751/752 ADVANCED PLACEMENT PHYSICS C
SCI 750/759 BLENDED ADVANCED PLACEMENT PHYSICS C
(Yearly 1 Credit) (11, 12) (AP Level)
Prerequisite: C or higher in Physics I and completion or concurrent enrollment in College Algebra

AP Physics C is designed for students interested in majoring in physics, engineering, or mathematics, and for students interested in inquiry-based activities pertaining to physics. Topics covered include Mechanics and Electricity and Magnetism. While it is helpful for students to have had prior exposure to calculus concepts, the calculus needed in this course is taught throughout the course. Students completing this course should have a strong conceptual understanding of physics and well-developed skills in designing, performing and analyzing laboratory experiments. Laboratory work is an integral part of this course. Students enrolled in this course will have the opportunity to take their Advanced Placement exam in May at their own expense. Students receiving a high grade on the exam may be eligible for college credit depending on the score and college.

SCI 801/802 ENVIRONMENT EARTH
(Yearly 1 Credit) (11, 12)
Prerequisite: Two years of Science, "C" or higher in previous science courses
Previously Environmental Science

This is a course for non-science majors who desire a physical science understanding of environmental concerns. Topics may include: groundwater, air quality, land management, nuclear energy, and solid waste disposal.

SCI 811/812 ENVIRONMENT EARTH - DUAL CREDIT
(Yearly 1 Credit) (11, 12)
Prerequisite: Two years of Science, "C" or higher in previous Science courses

This is a course for non-science majors who desire a physical science understanding of environmental concerns. Topics may include: ground water, air quality, land management, nuclear energy, and solid waste disposal. *This course is designated as a STEM Concentration Course. *Heartland Community College dual credit can be achieved for Environment Earth.*

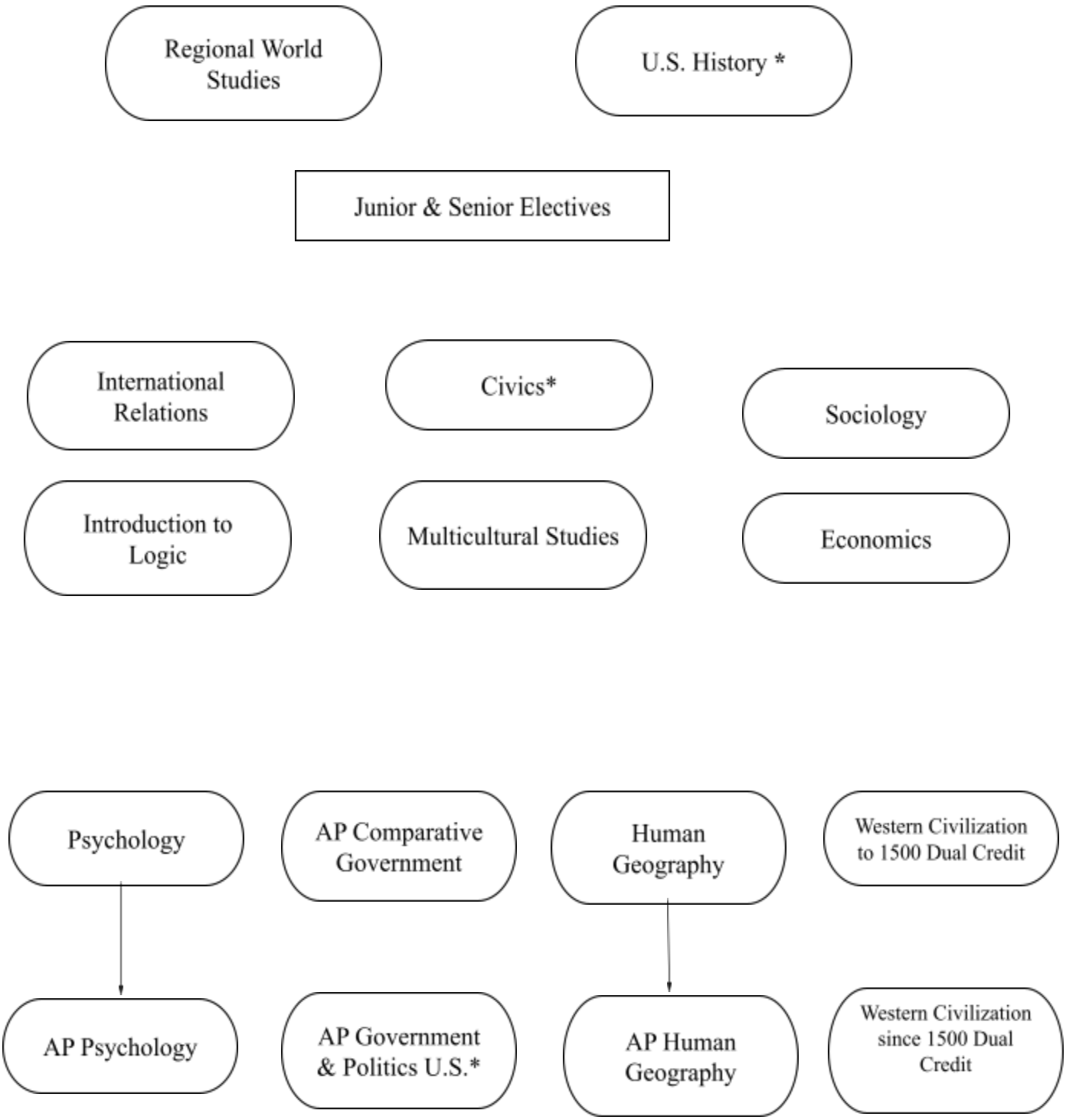
SCI 831/832 EARTH AND SPACE SCIENCE
SCI 830/839 BLENDED EARTH AND SPACE SCIENCE
(Yearly 1 Credit) (11, 12)
Prerequisite: Successful completion of 2 years of science

This course is designed for juniors and seniors who are interested in learning about astronomy and earth science in depth. The course will connect concepts learned in biology and chemistry to the Universe and its stars, Earth and its changing surfaces and climate, and how humans have impacted the Earth. Students will conduct many laboratory investigations and frequently work in small groups.

SCI 861/862 BIOLOGICAL ENGINEERING
(Yearly 1 Credit) (11, 12)
Prerequisite: Two years of Science

Biological engineering is a science elective course in which students will have the opportunity to complete a series of hands-on scientific explorations in a cutting-edge field in science. This STEM *(Science, Technology, Engineering & Math)* course gives students the opportunity to analyze biological systems, apply engineering principles to these biological processes and use their skills to build better solutions to a large variety of real-world problems. Example investigations include the use of microorganisms to produce fuels, genetically engineering organisms, using increasing computer power to analyze biological data in genetics and medicine and "bio-hacking" humans and other organisms. Upon completion of this course students will have a deeper understanding of biological engineering concepts as well as an advanced understanding of real-world problem solving through the use of the engineering design process. *This course is designated as a STEM Concentration Course.

Social Studies



SOCIAL STUDIES COURSE LIST

*Graduation Requirement of 2 Credits including 1.0 credit U.S. History & .5 credit Civics
Successful completion of Constitution Test
U.S History meets the state Computer Literacy requirement for graduation

SUBJECT	GRADES	PREREQUISITES
Regional World Studies	9	None
U.S. History*	10, 11, 12	None
Civics*	11, 12	None
International Relations	11, 12	None
Human Geography	11, 12	None
Introduction to Logic	11, 12	None
Psychology	11, 12	None
Sociology	11, 12	None
Economics	11, 12	None
AP Psychology	11, 12	Psychology and "B" or higher in all previous Social Studies courses
AP Government and Politics U.S.*	11, 12	"B" or higher in all previous Social Studies courses *Meets the Civics graduation requirement
AP Comparative Government	11, 12	"B" or higher in all previous Social Studies courses
AP Human Geography	11, 12	Human Geography and "B" or higher in all previous Social Studies courses
Western Civilization to 1500 Dual Credit	11, 12	None
Western Civilization Since 1500 Dual Credit	11, 12	None
Multicultural Studies	11, 12	None

SOCIAL STUDIES COURSE DESCRIPTIONS

SOC 101/102 REGIONAL WORLD STUDIES
(Yearly 1 Credit) (9)

In this course, 9th grade students' study about people, places and events in different parts of the world. Three major goals of the course are for students to (1) learn about the history of major world regions – Asia, Africa, Europe; (2) learn about the geography of these regions; and (3) gain a better understanding of world issues and problems.

SOC 211/212 UNITED STATES HISTORY
(Yearly 1 Credit) (10, 11, 12)

This course is **required** for graduation from high school. Students will study modern U.S. History. During the first semester students will study World War II through Vietnam. Second semester students will examine the 1970's to post-September 11th era. Students will use inquiry skills to analyze primary sources and recognize patterns to history that will enable them to better understand and communicate conclusions on current issues and concerns. U.S History meets the state Computer Literacy requirement for graduation

SOC 151/152 CIVICS
(Semester ½ Credit) (11, 12)

This course fulfills the civics requirement for graduation. Students will use inquiry-based skills to examine the rights and freedoms protected by the Constitution as well as the limits and responsibilities associated with them. Students will analyze historical and controversial issues through simulations and discussions to take informed action. Students will make informed decisions about civic and governmental issues, ultimately learning how to be an active participant in a democratic society. This course includes the Constitution Test, which is a graduation requirement.

SOC 161/162 MULTICULTURAL STUDIES
(Semester ½ Credit) (11, 12)

Multicultural Studies/History is a course that focuses on the experiences, achievements, and contemporary culture of varied races of people in the U.S. The major purpose of this course is to enable students to analyze past and current social conditions and problems various races of people face, and develop the skills to recognize and solve social problems within their community.

SOC 301/302 INTERNATIONAL RELATIONS
(Semester ½ Credit) (11, 12)

The purpose of International Relations is for students to study the conflicts and relationships among the nations of the world during the Twenty-first Century. Particular emphasis is placed on analyzing the foreign policy of the United States and our role in shaping the world order. Students study and defend positions in a simulation format on a variety of contemporary foreign policy issues.

SOC 401/402 HUMAN GEOGRAPHY
(Semester ½ Credit) (11, 12)

Human Geography investigates where human activities (i.e. Genocide/Darfur) occur and why they happen where they do, using cutting edge technology (i.e. GIS, GPS). The course explores contemporary world challenges relevant to the United States. This course is intentionally designed to be academically rigorous yet accessible to all learners through hands-on activities. The concepts and skills prepare each student for life as a citizen of an interdependent world. Major areas of study are cartography and analysis, population demographics and development, urbanization and the environment.

SOC 511/512 INTRODUCTION TO LOGIC
(Semester ½ Credit) (11, 12)

The primary objective is for students to form a reasoned argument using logical analysis; implementing facts and personal values. In addition, students will be able to recognize an 'illogical' argument. This course will also enable students to strengthen writing and oral presentation skills as they conduct research based on social issues that affect contemporary global and cultural trends.

SOC 601/602 PSYCHOLOGY
(Semester ½ Credit) (11, 12)

Have you ever wondered why you do the things you do? If so, as a student of psychology, you will develop the knowledge and skills to explore/analyze and research this question and others related to lifespan development, personality, sensation, perception, and psychological disorders to gain an understanding of the complexities of human thought and behavior.

SOC 701/702 SOCIOLOGY
(Semester ½ Credit) (11, 12)

Sociology is the study of group behavior. Topics of study include the similarities and differences in cultures, changes in society, group organization and interaction, deviance, and social class. A special focus is placed on the influence of society on the individual in terms of attitudes, beliefs, and behavior.

SOC 801/802 ECONOMICS
(Semester ½ Credit) (11, 12)

This semester-long course is an overview of micro and macro-economic concepts that are relevant to all students. Students will examine key economic concepts, including economic decision making, supply and demand, government spending, taxation, unemployment and monetary policy. Students will analyze real life examples of economic concepts as well as economic data, with a focus on the current American economic system.

ADVANCED PLACEMENT SOCIAL STUDIES OPTIONS

The Social Studies Department Advanced Placement program is a rigorous study in preparation for an AP test in May. Individual motivation and study is necessary to successfully complete the program. Each class is a continuation of the prerequisite course(s) and follows the curriculum recommended by the College Board for preparation for the AP test. The AP instructor or Social Studies Department Building Chair can provide further information about each course. A student may select these courses in either the junior or senior years.

SOC 612 AP PSYCHOLOGY
(Semester ½ Credit) (11, 12) (AP Level)
Prerequisites: Psychology and "B" or higher in all previous Social Studies courses
Spring semester only

This college level course extends the topics from the introduction course and introduces the systematic and scientific study of the behavior and mental processes of human beings and other animals. Included is a consideration of the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students also learn about the ethics and methods psychologists use in their science and practice. The course is designed to help students prepare for the College Board exam given in May.

SOC 861/862 AP GOVERNMENT & POLITICS U.S.
(Semester ½ Credit) (11, 12) (AP Level)
Prerequisites: "B" or higher in all previous Social Studies courses

This college level course fulfills the civics requirement for graduation. The course provides an analytical perspective on government and politics in the United States. This course involves both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. political reality. The course is designed to help students prepare for the College Board exam given in May. **Students enrolled in the fall course are strongly encouraged to enroll in Comparative. AP exam is only administered in May.**

SOC 882 AP COMPARATIVE GOVERNMENT & POLITICS
(Semester ½ Credit) (11, 12) (AP Level)
Prerequisite: "B" or higher in all previous Social Studies courses
Spring Semester only

This college level course introduces students to fundamental concepts used by political scientists. Students examine the political institutions and processes of six different countries – China, Iran, Mexico, Nigeria, Russia, and the United Kingdom – and compare the ways they address problems. Students will analyze data and readings to draw conclusions about political systems.

Course is designed to help students prepare for the College Board exam given in May. This is a standalone course and does **NOT** need to be taken in conjunction with AP Government and Politics U.S.

SOC 912 AP HUMAN GEOGRAPHY
(Semester ½ Credit) (11, 12) (AP Level)
Prerequisites: Human Geography and "B" or higher in all previous Social Studies courses
Spring semester only.

This college level course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. The course is designed to help students prepare for the College Board exam given in May.

SOC 930 BLENDED WESTERN CIVILIZATION TO 1500 – DUAL CREDIT
(Semester ½ Credit) (11, 12)

This college level course covers the mainstream of Western civilization from the first millennium B.C. to 1500. The course considers religious, economic, and cultural trends and developments as well as the major political events of the period. The focus of the course is on Europe but the great Middle Eastern civilizations and cultural contributions are considered as they impact Europe and help shape the West. Special attention is given to individuals and their contributions as well as to the rise of nations. *Heartland Community College dual credit can be achieved for Western Civilization.*

SOC 949 BLENDED WESTERN CIVILIZATION SINCE 1500 – DUAL CREDIT
(Semester ½ Credit) (11, 12)

This college level course covers the development of the modern West in terms of the great movements of the past five centuries: The Reformation, The Enlightenment, Absolutism and the rise of the nation state, the French Revolution, Industrialization, the emergence of modern political ideology, the World Wars, the Cold War and the roots of the present political situation. The course emphasizes watershed events in the realm of religion, politics, economics, artistic and cultural developments, and war. Special attention is given to the contributions of individuals in shaping the modern world. *Heartland Community College dual credit can be achieved for Western Civilization.*

Intervention Course Descriptions
Elective credit is earned for these courses

ELA 101/102 FOCUSED LANGUAGE ARTS
(Semester ½ Credit) (9, 10, 11, 12)
Enrollment Recommendation based on reading/writing diagnostic and MTSS team decision.
The goal of this class is to support success in English courses as well supporting students with the literacy demands of the high school curriculum. Instruction will be tailored to meet the needs of the students with an emphasis on writing and reading comprehension. Student assessments will be administered to determine whether future intervention is needed. This class will earn an elective credit, not an English credit.

NOTE: Students take this course in conjunction with their required English course.

RTI 131/132 CHOICES
(Semester ½ Credit) (9, 10, 11, 12)
Prerequisite: Referral Form completed by assigned Case Manager or Interventionist Recommendation
This course is designed to support students who are experiencing circumstances that interfere with their academic performance. These types of challenges can include but are not limited to failing grades, administrative intervention, attendance factors, frequent transitions, factors that have required counseling, and stressors outside of school. Course objectives include teaching proactive strategies to effectively manage life stressors and identifying resources. Course topics include but are not limited to: ways to succeed in school, handling peer stressors, responding to family relationships, positively navigating dating relationships, avoiding various peer pressures, building resiliency, and improving self-image. Students with the Related Service of Social Work are encouraged to take this course as well as students with the eligibility of Emotional Disability. Students who are transferring to the public-school setting from a therapeutic day school or more restrictive placement should be enrolled in this class to assist in the transition process. This class can be taken numerous semesters as an elective credit.

RTI 133/134 CHOICES II
(Semester ½ Credit) (9, 10, 11, 12)
Prerequisite: Choices I is required before taking this course. Some exceptions will apply. This course can be taken numerous semesters as an elective credit.
This course is designed to support students who continue to experience circumstances that create educational barriers both emotionally and academically. These types of challenges can include but are not limited to failing grades, administrative intervention, attendance factors, and frequent transitions, factors that have required counseling, and stressors outside of school. Course objectives include teaching a continuum of proactive strategies to effectively manage life stressors and identifying resources as the students transition into their later high school years. This course is supported through a co-taught model implemented by a School Social Worker. This delivery model includes teaching lessons, small group counseling sessions, individual counseling, and/or 1:1 therapeutic intervention. Course topics include but are not limited to: review of key strategies to succeed in school, responding to family relationships/creating boundaries, handling peer pressure, building resiliency as well as independence, and improving self-image. Students will use the foundation principles learned in Choices I to expand their knowledge by utilizing these in various transitional environments. The following groups are encouraged to take Choices 2: students with the Related Service of Social Work; students who have completed Choices 1 and request continued support provided through a class; students with the eligibility of Emotional Disability; those participating in the MTSS Intervention Process. Students who are transferring to the public-school setting from a therapeutic day school or more restrictive placement should be enrolled in this class to assist in the transition process

RTI 121/122 STUDY SKILLS
(Semester ½ Credit) (9, 10, 11, 12)
Prerequisite: Referral Form completed by assigned Case Manager or Interventionist Recommendation
This one semester class will help students improve basic study skills. Topics will include note taking, test-taking strategies, and organization.

MAT101/102 FOCUSED Pre-Algebra
(Semester ½ Credit) (9, 10) Pre-Requisite: Interventionist Recommendation

The goal of this class is to support success in Pre-Algebra and at the same time fill skill gaps from middle school by using a combination of hands-on activities, number talks, computer software, and manipulatives. Students will be progress monitored to determine whether further intervention is needed. This class will earn an elective credit, not math credit.

RTI141/142 CREATIVE ASPIRATIONS
(Semester ½ Credit) (9, 10, 11, 12)
Prerequisite: Referral Form completed by assigned Case Manager or Interventionist Recommendation

This course is designed to support students who are experiencing symptoms that interfere with their academic performance. Specifically, this class will target symptoms including anxiety, mood dysregulation, executive functioning, self-image/self-concept concerns, etc. These types of symptoms often create challenges in the school environment including but are not limited to failing grades, struggles to attend school, difficulties in participating in classroom activities, struggling to engage peers in less structured times of the day (including transitions and at lunch), etc. Course objectives include instruction on symptoms and strategies for symptoms management, social skills training, cooperative group/social problem training, and desensitization to routine stressors through exposure training. These objectives will be achieved through a mixture of educational, support group, and experiential activities (including artistic projects and recreational activities). Students can be referred to take this class based on need (General education, 504, Special Education) by administration and/or staff including school counselor, school administrator, interventionist, and/or special education team member. This class can be taken numerous semesters as an elective credit.

MAT331/332 FOCUSED ALGEBRA
(Semester Credit ½ Credit) (9, 10, 11) Pre-Requisite Interventionist Recommendation

The goal of this class is to support success in Algebra 1 and at the same time fill skill gaps by using a combination of hands-on activities, number talks, computer software, and manipulatives. Students will be progress monitored to determine whether further intervention is needed. This class will earn an elective credit, not math credit.

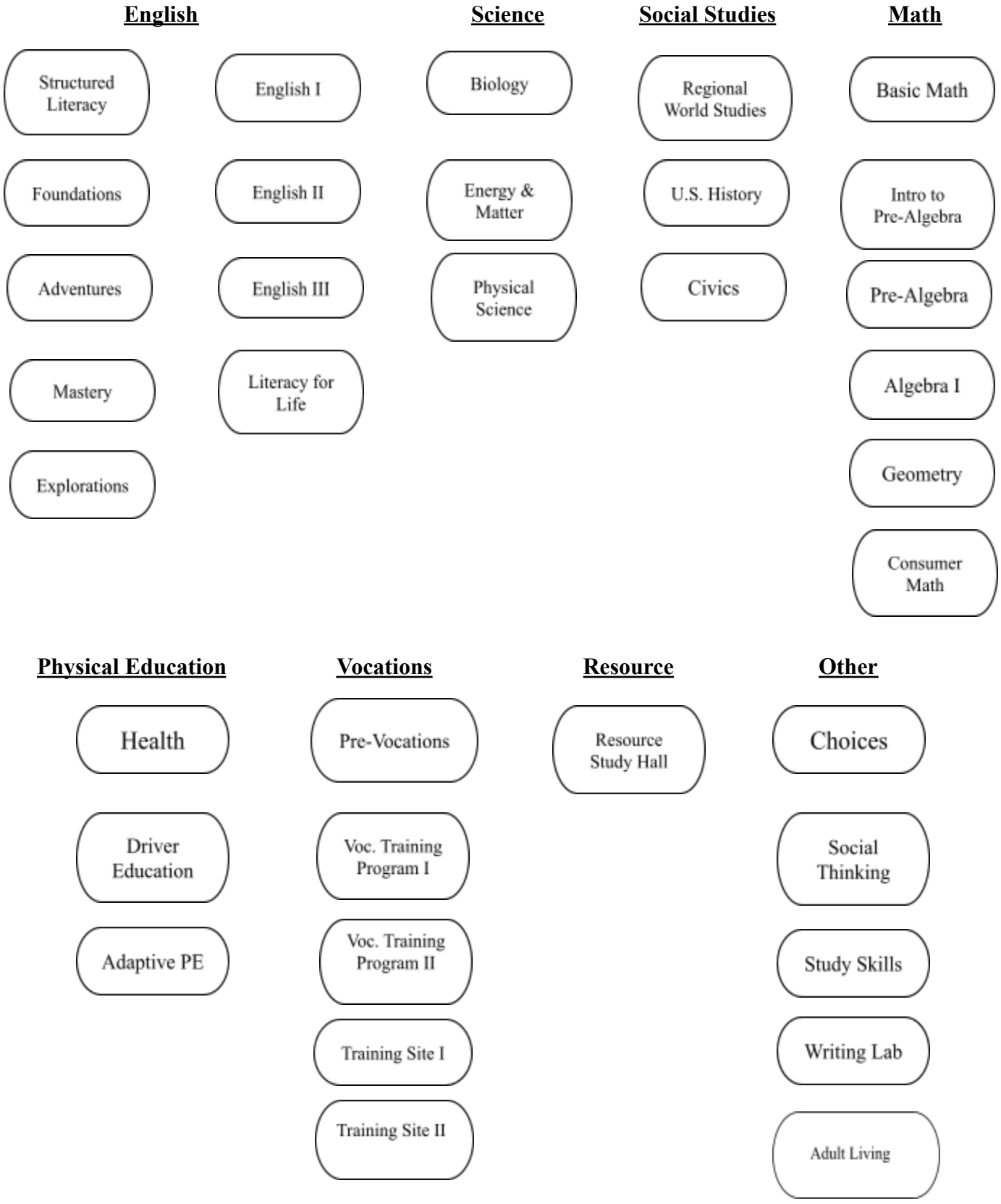
MAT531/532 FOCUSED GEOMETRY
(Semester Credit ½ Credit) (10, 11) Pre-Requisite Interventionist Recommendation

The goal of this class is to support success in Geometry and at the same time fill skill gaps by using a combination of hands-on activities, number talks, computer software, and manipulatives. Students will be progress monitored to determine whether further intervention is needed. This class will earn an elective credit, not math credit.

MAT631/632 FOCUSED ALGEBRA II
(Semester Credit ½ Credit) (10, 11, 12) Pre-Requisite Interventionist Recommendation

The goal of this class is to support success in Algebra 2 and at the same time fill skill gaps by using a combination of hands-on activities, number talks, computer software, and manipulatives. Students will be progress monitored to determine whether further intervention is needed. This class will earn an elective credit, not math credit.

Special Education



SPECIAL EDUCATION COURSE LIST

SUBJECT	GRADES	PREREQUISITES
English		
Structured Literacy	9, 10, 11, 12	Recommendation of IEP Team
Foundations in Reading	9, 10, 11, 12	Recommendation of IEP Team
Adventures in Reading	9, 10, 11, 12	Recommendation of IEP Team
Mastery in Meaning	9, 10, 11, 12	Recommendation of IEP Team
Explorations in Reading	9, 10, 11, 12	Recommendation of IEP Team
English 1	9, 10	Recommendation of IEP Team
English 2	10, 11, 12	Recommendation of IEP Team
English 3	11, 12	Recommendation of IEP Team
Literacy for Life	12	Recommendation of IEP Team
Science		
Biology	9, 10, 11, 12	Recommendation of IEP Team
Physical Science	10, 11, 12	Recommendation of IEP Team
Energy & Matter	10, 11, 12	Recommendation of IEP Team
Social Studies		
Regional World Studies	9, 10, 11, 12	Recommendation of IEP Team
U.S. History	10, 11, 12	Recommendation of IEP Team
Civics	10, 11, 12	Recommendation of IEP Team
Math		
Basic Math	9, 10, 11, 12	Recommendation of IEP Team
Introduction to Pre-Algebra	9, 10, 11, 12	Recommendation of IEP Team
Pre-Algebra	9, 10, 11, 12	Recommendation of IEP Team
Algebra 1	9, 10, 11, 12	Recommendation of IEP Team
Geometry	10, 11, 12	Recommendation of IEP Team
Consumer Math	11, 12	Recommendation of IEP Team
Physical Education		
Driver Education	9, 10, 11, 12	Recommendation of IEP Team
Health	9, 10, 11, 12	Recommendation of IEP Team
Adaptive PE	9, 10, 11, 12	Recommendation of IEP Team
Vocations		
Pre-Vocations	9, 10	Recommendation of IEP Team
Vocations Training Program I	11, 12	Recommendation of IEP Team
Vocations Training Program II	11, 12	Recommendation of IEP Team
Training Site I	11, 12	Recommendation of IEP Team
Training Site II	11, 12	Recommendation of IEP Team
Resource		
Resource Study Hall	9, 10, 11, 12	Recommendation of IEP Team
Other		
Choices	9, 10, 11, 12	Recommendation of IEP Team
Consumer Education	9, 10, 11, 12	Recommendation of IEP Team
Social Thinking	9. 10. 11, 12	Recommendation of IEP Team
Study Skills	9, 10, 11, 12	Recommendation of IEP Team
Writing Lab	9, 10, 11, 12	Recommendation of IEP Team
Adult Living	9, 10, 11, 12	Recommendation of IEP Team
Skills for Success	9, 10, 11, 12	Recommendation of IEP Team

SPECIAL EDUCATION COURSE DESCRIPTIONS

ENGLISH

SPL 291/292 STRUCTURED LITERACY
(Yearly 1 credit) (9,10, 11, 12)

This course utilizes Wilson's Just Words, a focused word study curriculum, based on the success of the Wilson Reading Program. Students will participate in explicit, systematic teaching of word study skills. This curriculum works to master the critical skill of orally segmenting phonemes in a syllable. They learn to segment with a "tapping" system that provides a kinesthetic-tactile guide and reinforcement. Students study sound-symbol correspondence as related to syllable patterns, spelling rules, and the morphological patterns of prefixes, roots, and suffixes. Using kinesthetic-tactile memory techniques, students learn to automatically read and spell the most frequently used English words. Students apply decoding skills to read with prosody, learning how to read sentences in meaningful phrases. This practice emphasizes fluent reading for meaning rather than speed.

SPL 311/312 FOUNDATIONS IN READING
(Yearly 1 Credit) (9, 10, 11, 12)

This course is designed to improve decoding skills through syllable structure and spelling. It emphasizes word analysis skills to promote accuracy in word recognition. Repeated exposure and interaction with rules each week assist the student in applying word structure knowledge. Reading fluency is targeted daily in order to develop generalization and application of strategies learned.

SPL 321/322 ADVENTURES IN READING
(Yearly 1 Credit) (9, 10, 11, 12)

This course is designed to improve students' ability to recognize words, their meanings, and increase comprehension and oral reading fluency. Emphasis on vocabulary knowledge and development for cross curricular words, application and generalization of decoding and encoding strategies and reading fluency through various text genres including novels.

SPL 331/332 MASTERY IN READING
(Yearly 1 Credit) (9, 10, 11, 12)

This course is designed to improve students' vocabulary knowledge, comprehension and silent reading fluency. Emphasis is on increased complexity of cross curricular words, application and generalization of decoding and encoding strategies and reading fluency through use of higher language-based activities and expository/ informational text.

SPL 341/342 EXPLORATIONS IN READING
(Yearly 1 Credit) (9, 10, 11, 12)

This course teaches students methods for reading, comprehending, analyzing, synthesizing, and integrating information. These strategies help students to read proficiently, and write skillfully. Students learn study skills such as note-taking and summarizing in the context of materials taken from the areas of science, history, government, geography, and the humanities. Students respond in writing to short-answer and essay questions.

SPL 211/212 ENGLISH 1
(Yearly 1 Credit) (9, 10)

This course analyzes various literary types such as the short story, poetry, nonfiction, drama and the novel. Speech, paragraph and multi-paragraph writing, grammar and research skills will be taught within each unit.

SPL 221/222 ENGLISH 2
(Yearly 1 Credit) (10, 11, 12)

This course focuses on literature written by authors from a global perspective. Students will complete a variety of writing assignments including narrative and literary analysis, as well as, speech, grammar and research skills.

SPL 231/232 ENGLISH 3
(Yearly 1 Credit) (11, 12)

This course focuses on American Literature. The texts will cover the history of America through American authors. It will include multiple genres (fiction, nonfiction, poetry, drama). Both semesters of this course include daily activities in grammar and vocabulary skills. Grammar activities focus on part of speech and the application of those to the students' own writing. Students are also expected to correctly define, spell and utilize new vocabulary.

SPL 251/252 LITERACY FOR LIFE
(Yearly 1 Credit) (12)
The goals of English Life Skills is to provide opportunities for students to demonstrate their reading, writing, listening, and communication skills in a variety of settings that relate to students' specific transitional goals. Activities and lessons will focus on the following learning standards: Research, Reading Comprehension, Speaking and Listening and Writing/Language. A variety of materials will be used including novels, contemporary nonfiction, current news magazines and newspapers, online media platforms and film adaptations.

SPL 201/202 WRITING LAB
(Semester ½ Credit) (9, 10, 11, 12) English Credit
This course is designed to improve written communication skills. Activities will focus on group interaction and the writing process. Instruction in sentence types, sentence structure, writing paragraphs, narrative essays, expository essays, use of prewriting tools, editing and revising is provided.

SCIENCE

SPL 501/502 BIOLOGY
(Yearly 1 Credit) (9, 10, 11, 12)
First semester biology includes the basic principles of the scientific method, characteristics of living things, using microscopes, cell structure and function, classification of living things, genetics, and the theory of evolutionary development of Earth's species. The second semester curriculum is based on the systems that make up the human body, including the skeletal, muscular, nervous, reproductive, circulatory, respiratory, and digestive.

SPL 531 PHYSICAL SCIENCE
(Semester ½ Credit) (10, 11, 12)
Instruction in the interrelationships of the physical sciences presented in a practical setting. Topics include density, gravity, motion, force, energy, light, sound, heat and electricity. The use of simple machines is used to help illustrate various concepts. The class is taught through the use of lecture, class discussions and laboratory explorations.

SPL 532 ENERGY & MATTER
(Semester ½ Credit) (10, 11, 12)
This course explores the relationships between matter and energy. Students learn about the periodic table and how elements are categorized. Chemical reactions and a variety of measurement procedures are applied though lecture, class discussion and laboratory explorations.

SOCIAL STUDIES

SPL 621/622 REGIONAL WORLD STUDIES
(Yearly 1 Credit) (9, 10, 11, 12)
Regional World Studies gives students an overview of world issues, cultures, history, and geography. The main goal is to gain a better understanding of other countries by examining their history, culture, situations, and current events. Through this, we examine our understanding of US foreign policy (why our nation acts the way it acts with other countries). First semester we explore parts of Europe and Africa. The second semester covers the Middle East and Asia.

SPL 631/632 U.S. HISTORY
(Yearly 1 Credit) (10, 11, 12)
This course is required for graduation from high school. Students will study modern U.S. History. During the first semester students will study the World War II through the 1960s. Second semester students will examine the 1970's to post-September 11th era. Students will analyze primary sources and recognize patterns to history that will enable them to better understand and communicate conclusions on current issues and concerns.

SPL 611/612 CIVICS
(Semester ½ Credit) (11, 12)
This course fulfills the civics requirement for graduation. Students will examine the rights and freedoms protected by the Constitution as well as the limits and responsibilities associated with them. Students will analyze historical and controversial

issues through simulations and discussions to take informed action. Students will make informed decisions about civic and governmental issues, ultimately learning how to be an active participant in a democratic society. This course requires the successful completion of the Constitution Test, which is a graduation requirement. It is recommended that students take this course junior or senior year.

MATHEMATICS

SPL 411/412 BASIC MATH
(Yearly 1 Credit) (9, 10, 11, 12)
This math course supplements and builds upon foundation math skills. Students who complete this course will be exposed to basic math procedures using the real number system, basic money skills, estimation and relationships between the four basic math functions. Students are given instruction on performing operations using various strategies without the use of a calculator.

SPL 401/402 INTRODUCTION TO PRE-ALGEBRA
(Yearly 1 Credit) (9, 10, 11, 12)
Students will work on developing number skills and basic algebra skills and concepts. Topics included will be number relationships, fractions, decimals, percent's, integers and inequalities. Students will simplify like terms, solve single step and basic two-step equations.

SPL 431/432 PRE-ALGEBRA
(Yearly 1 Credit) (9, 10, 11, 12)
This course builds upon the essential skills of arithmetic as they apply to Algebra. Real numbers, linear equations, linear inequalities, factoring, fractions, graphing, multi-step equations (with variables on both sides) and basic elements of geometry are stressed.

SPL 451/452 ALGEBRA 1
(Yearly 1 Credit) (9, 10, 11, 12)
This course will put an emphasis on setting up and solving equations, inequalities and systems of equations. Other topics include: graphing linear, exponential, square root and quadratic functions, simplifying polynomials and factoring. Algebra provides the background for the future study of more complex math. *Meets Geometry Content State Graduation Requirement.*

SPL 471/472 GEOMETRY
(Yearly 1 Credit) (10, 11, 12)
In Geometry, algebraic concepts such as solving equations and properties are used and reinforced. Topics include basic geometric proofs, transformations, parallel and perpendicular lines, dilations and similarity, right triangles and trigonometry, congruent triangles, quadrilaterals, circles, area and polygons, and surface area and volume of solids.

SPL 441/442 CONSUMER MATH
(Yearly 1 Credit) (11, 12)
This math course stresses consumer skills. Students who complete this course will be exposed to important consumer math skills necessary to function independently in society. This course will count as a Consumer Education credit.

PHYSICAL EDUCATION

SPL 361/362 HEALTH
(Semester ½ Credit) (9, 10, 11, 12)
A variety of learning activities and student-centered discussions will be applied to the following topics: wellness, mental health, stress management, food choices, lifelong fitness, substance abuse, human sexuality and current health topics. This course is required for graduation.

PHY 511/512 ADAPTIVE PHYSICAL EDUCATION
(Yearly 1 Credit) (9, 10, 11, 12)
Prerequisite: IEP Team Recommendation

Adapted Physical Education classes are provided for those students with Individualized Education Programs (IEP's). These classes are smaller in number and allow for more individualized attention. The basic intent of this course is to address IEP goals, to increase physical fitness levels, to learn lifetime activity skills and to provide a safe and successful environment while participating in physical activity. Adapted Aquatics will be incorporated into the current Adapted PE curriculum. This class will address Individualized Education Program (IEP) goals as well as basic water safety, water adjustment skills and an introduction to basic swimming strokes. Individual and group instruction will be based on the skill of the individual student. Adapted swim equipment will be provided for safety and instructional needs.

VOCATIONAL TRANSITION ASSISTANCE PROGRAM (VTAP)

(All levels of VTAP are determined through an IEP Team decision)

SPT 251/252 PRE-VOCATIONS
(Yearly 1 Credit) (IEP Team Recommendation)

This course is designed for students with significant vocational deficits who will benefit from training that addresses functional limitations prior to entering the Vocational Training Program. Pre-Vocations includes, but is not limited to: following basic directions, completion of simple tasks, appropriate hygiene/appearance, learning basic personal information, cooperation skills, communication and social skills, following a basic schedule.

SPV 101/102 VOCATIONS 1
(Classroom: Yearly 1 Credit) (11,12)

This is the introductory course which focuses on basic entry level employment skills. Topics include, but are not limited to: job search, completing job applications, interview preparation, the unwritten rules of the work environment, career exploration, job safety, cooperation, basic employability skills. This course is designed to offer introductory skills for employability. **This course must be taken in conjunction with a training site.**

SPV 111/112 VOCATIONS II
(Classroom: Yearly 1 Credit) (11, 12)

This course focuses on the 12 employability skills recognized by adult service agencies. Topics include, but are not limited to: job preparation, job seeking skills, getting to know your strengths and weaknesses, career research, interviewing, resume writing, human relations, taxes, managing your money, growing vocationally for transition. Student participation in this course offers exposure to skills for employability. **This course must be taken in conjunction with a training site.**
***Students who take Vocations II a second year will have the option of enrolling in Training Sites only, this is an IEP team decision. ***

SPV 151/152 TRAINING SITE 1 – VTAP Work (11,12)
(Semester 1 Credit or Yearly 2 Credits) (IEP Recommendation)

This hands-on experience is offered in combination with one of the above Vocations Courses. A variety of training sites are offered and assigned based on student interest, ability, and IEP team recommendations. Training sites are created for the purpose of providing the student with an overall work experience, transferable to any job. Training sites allow for the assessment of the 12 evaluation criteria recognized by adult service agencies. Training sites include, but are not limited to: vocational training center, on-campus sites, and community sites. Training sites are assigned by the Vocational Coordinator.

SPV161/162 TRAINING SITE 2 – VTAP Work
(Semester 1.5 Credits or Yearly 3 Credits) (IEP Recommendation) (11, 12)

This experience takes place within the community, is competitive and integrated with non-disabled workers.

- Student must have received a VTAP grade of B or higher the previous 2 semesters.
- Student must have received a vocation work course grade of B or higher the previous 2 semesters.
- Student must meet the VTAP attendance policy the previous 2 semesters.
- Student must provide own transportation to and from work.
- Community employment site must be approved and secured in advance by the date provided by the assigned VTAP Coordinator.
- Student may have the option of enrolling in training site only, this is an IEP team decision.

- If the site falls through, the student will no longer be eligible for the Training Site 2 option and will be considered for the Training Site 1 option.

EUGENE FIELD 18-22 SECONDARY SERVICES COURSE DESCRIPTIONS

The 18-22 Transition Program was developed by Unit 5 Special Education Teachers and Staff. The purpose of the program is to provide Unit 5 students with intensive transition experiences and training in real-life age appropriate settings. These students have attended 4 years of high school and are preparing for life as young adults.

SPF 111/112 ADULT LIFE SKILLS PROGRAM (1)
Designed to meet the needs of each individual student, the Adult Life Skills 1 program focuses on the areas of communication, interpersonal skills, independent living skills, vocational skills, functional academics, independent functioning along with exposure to recreational and leisure opportunities across all environments. There is an emphasis on applying learned skills in multiple settings, while problem solving and building independence. Instruction is provided in the classroom, community and vocational settings. Program works to connect students and families to appropriate and available adult service resources in the areas of employment, education and living situations.

SPF 121/122 ADULT LIFE SKILLS PROGRAM (2)
This program is designed to meet the needs of individuals across disability categories. The program primarily focuses on functional academics and life-skills along with community-based instruction. Communication needs and social skills are addressed. Intensive individualized instruction is provided. Areas of focus may include: independent living skills, vocational skills, functional academics, independent functioning along with exposure to recreational and leisure opportunities across all environments. There is an emphasis on applying learned skills in multiple settings, with the proper amounts of support for independence. Students enrolled in this program typically transition to an Adult Developmental Training program or Supported Employment Program.

SPF 131/132 ADULT LIFE SKILLS PROGRAM (3)
This program is designed to meet the needs of individuals across disability categories with multiple, significant needs. While individualized for each student, the program addresses needs in the areas of mobility/positioning, communication, sensory stimulation, health/medical, and adapted life skills. The area of functional academics is also addressed as necessary for each student. An intense level of support is provided to each student to ensure all needs are met. In addition, the use of technology and adapted equipment is widely used to provide for a successful learning environment for the students. Instruction is provided in both the classroom and community environments to provide opportunities for rec/leisure experiences and community-based instruction. Students enrolled in this program typically transition to an Adult Developmental Training program.

SPF 181/182 DEVELOPMENTAL TRAINING (DT) PROGRAM
This program is designed for students with significant vocational deficits who benefit from an alternate location or additional training to address functional limitations prior to entering the Vocational Transition Assistance Program. Individualized goals are established through the IEP process to meet each students' wants and needs. The program includes but is not limited to: following basic directions, completion of simple job tasks, appropriate hygiene/appearance, cooperation skills, communication and social skills, pre-vocational skills assessments, and following a basic schedule. Developmental Training can be a precursor to Unit 5 VTAP.

SPF 191/192 VOCATIONAL TRANSITION ASSISTANCE PROGRAM (VTAP) WORK PROGRAM

The Vocational Transition Assistance Program is an evaluation, training, community participation, and employment preparation program. It is designed to help prepare students for their transition into employment and optimum community participation as adults. Hands-on training sites are created for the purpose of providing the student with an overall work experience, transferable to any job or community activity. Students are placed at training sites for a portion of their school day for the opportunity to gain valuable employability, communication and independence skills. This program is designed to provide support for students as they strengthen their skills in the areas of cooperation, initiative, work habits, adaptability, acceptance of constructive criticism, personal appearance/professionalism, teamwork, communication, problem solving, and completing work with high-quality.

RESOURCE

SPL 991/992 RESOURCE STUDY HALL
(No Credit) (9, 10, 11, 12)

This supported study hall is designed as a means to monitor, assist, and provide specific skills and supports for student IEP goals and progress. Accommodations and adaptations are provided as necessary for each student. Curricular goals are supported during this time.

OTHER

SPL 131/132 CHOICES
(Semester ½ Credit) (9, 10, 11, 12)
Prerequisite: IEP Team Recommendation

This course is designed to support students who are experiencing circumstances that interfere with their academic performance. These types of challenges can include but are not limited to failing grades, administrative intervention, attendance factors, frequent transitions, factors that have required counseling, and stressors outside of school. Course objectives include teaching proactive strategies to effectively manage life stressors and identifying resources. Course topics include but are not limited to: ways to succeed in school, handling peer stressors, responding to family relationships, positively navigating dating relationships, avoiding various peer pressures, building resiliency, and improving self-image. Students with the Related Service of Social Work are encouraged to take this course as well as students with the eligibility of Emotional Disability. Students who are transferring to the public-school setting from a therapeutic day school or more restrictive placement should be enrolled in this class to assist in the transition process. This class can be taken numerous semesters as an elective credit.

SPL 141/142 CONSUMER EDUCATION
(Semester ½ Credit) (9, 10, 11, 12)

This course is designed to increase understanding of personal finances, housing, taxes, loans, and significant purchases. This course meets the consumer education graduation requirement.

SPL 701/702 SOCIAL THINKING
(Yearly 1 Credit) (9, 10, 11, 12)

Students placed in Social Thinking have deficits in social skills due to their identified disability(ies). Students exhibit difficulties/deficits in the area(s) of Social communication, Problem solving, Communication skills, Peer interactions, Self-advocacy, and Managing anxiety. Please note that deficits may not be noted in all above areas for consideration for enrollment. Students engage in a variety of activities including small/large group discussion, role play, scripting, social interaction games, transition planning, IEP investigation, and conversational skills. Every activity is based on developing communication/interaction skills for the classroom, workplace, social settings, and various interpersonal opportunities.

SPL 121/122 STUDY SKILLS
(Semester ½ Credit) (9, 10, 11, 12)

This one semester class will help students improve basic study skills. Topics will include note taking, test-taking strategies, and organization.

SPL 371/372 ADULT LIVING
(Yearly 1 credit) (9,10, 11, 12)

This Adult Living course, designed for high school students (grades 9-12), focuses on equipping them with essential skills for independent living. The course covers personal communication, employment responsibilities, financial literacy including banking and budgeting, developing positive social interactions, understanding medical needs and services, navigating

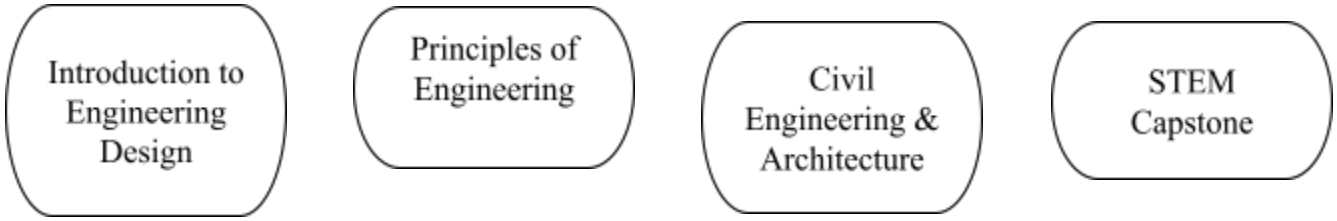
independent living choices, finding community resources, and engaging in leisure activities. The course aligns with Illinois Learning Standards, emphasizing reading comprehension, vocabulary, and practical application of mathematical concepts for real-world problem-solving. Assessments include projects, checklists, quizzes, and practice sheets, with resources ranging from daily skill-building activities and discussions to community trips and role-playing scenarios.

SPL123/124 SKILLS FOR SUCCESS
(Yearly 1 Credit) (9, 10, 11, 12 - recommendation of IEP team)

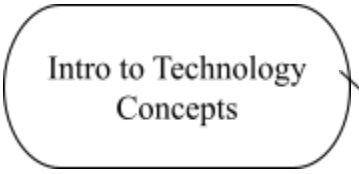
This course is designed to prepare students for success during high school and beyond. Students will learn to understand their Individualized Education Plans (IEPs), build self-advocacy and executive functioning skills, and engage in transition planning for life during and after high school. Students will also focus on improving organization, time management, and academic work habits. Support with coursework, projects, and progress on annual IEP goals will be provided as needed. This course can be taken for up to two years for credit per IEP team recommendation. While recommended for underclassmen, it is open to anyone with an IEP based on the recommendation of the IEP team.

Technology

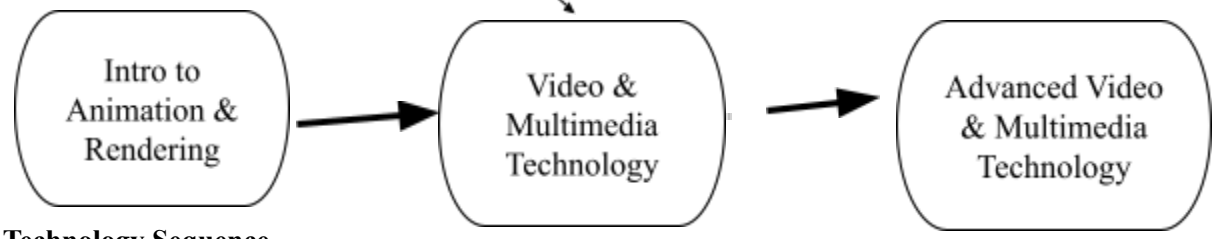
Engineering sequence



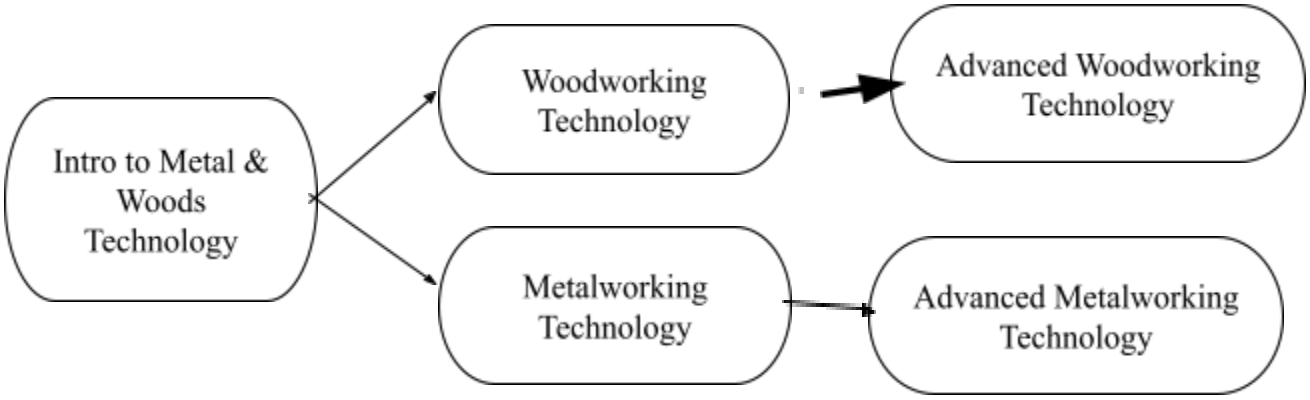
General Technology Sequence



Interactive Design Sequence



Applied Technology Sequence



Note: See course list for prerequisites

TECHNOLOGY COURSE LIST

SUBJECT	GRADES	PREREQUISITES
Intro to Technology Concepts	9, 10, 11, 12	None
Video & Multimedia Technology	10, 11, 12	One year of Technology Concepts or one year of Intro to Animation & Rendering
Advanced Video & Multimedia Technology	11, 12	One year of Video & Multimedia Technology
Introduction to Metal & Wood Technology	9, 10, 11, 12	None
Introduction to Engineering Design	9, 10, 11, 12	None
Principles of Engineering CTE-Dual Credit	10, 11, 12	None
Civil Engineering & Architecture CTE-Dual Credit	11, 12	None
Intro to Animation & Rendering	9, 10, 11, 12	None
Metalworking Technology CTE-Dual Credit	11, 12	One year of Intro to Metal & Woods Tech
Advanced Metalworking Technology CTE-Dual Credit	10, 11, 12	One year of Metalworking Technology
Woodworking Technology	10, 11, 12	One year of Intro to Metal & Woods Tech
Advanced Woodworking Technology	10, 11, 12	One year of Woodworking Technology
STEM Capstone	12	None

TECHNOLOGY COURSE DESCRIPTIONS

TEC 081/082 INTRODUCTION TO TECHNOLOGY CONCEPTS
(Semester ½ Credit, Yearly 1 Credit) (9, 10, 11, 12)

This is an exploratory class in Technology, Energy Utilization, 3D Computer Aided Design and several other technological concepts. Through "hands-on" projects, students will learn about the history of and the impacts of technology and possible career choices for the future. Students will develop teamwork, problem solving, and design skills. A variety of concepts will be explored through a majority of self-directed activities, utilizing computer based and hands-on learning in teams. Upon completion, students will have an understanding of what courses/careers are available to them and demonstrate team working strategies and display technological literacy. Students will also study basic drafting, energy utilization, digital media, personal computer hardware and software, and manufacturing principles. Student projects include: 3D designs, soldering project, engineering design project, Gamemaker video games, video game cases, networking computers, and aerospace project. *This course is designated as a STEM Concentration Course.

TEC 201/202 VIDEO & MULTIMEDIA TECHNOLOGY
(Yearly 1 Credit) (10, 11, 12)
Prerequisite: Full year of Technology Concepts or Animation & Rendering

This semester or full year course examines how to communicate using digital media. Students will learn how to create digital media in the areas of computer animation, digital video editing, graphic design, and audio. Within each area students will learn how to create digital media content including text, digital images, videos, and sound. Throughout this course students will become proficient in Adobe Creative Cloud Suite. Students will design and develop products such as t-shirts, commercials/short videos, audio files and computer animations. This class will utilize the video production studio for video creation and editing. *This course is designated as a STEM Concentration Course.

TEC 231/232 ADVANCED VIDEO & MULTIMEDIA TECHNOLOGY
(Yearly 1 Credit) (11, 12)
Prerequisite: Full year of Video & Multimedia Technology

This course builds on the application of knowledge gained during the first level of digital media production. Projects will include school broadcasts/video announcements, school-related video creation, instruction video creation, web page construction, and the Bloomington-Normal Film Fest. Students will extend their capabilities with cameras and lighting as well as directing their own video project. ***This course is designated as a STEM Concentration Course.***

TEC 251/252 INTRODUCTION TO METAL AND WOODS TECHNOLOGY
(Yearly 1 Credit) (9, 10, 11, 12)

Introduction to Metal and Woods Technology concentrates on the basic applications and processes that are used in working with wood, metal, and plastic. Students will study practical applications where industrial materials are used in today's society and study the processes of manipulating those materials. Concentration includes separating, forming, fabricating, and finishing through hands-on labs and activities. Students will produce various types of take-home projects made from industrial materials that will utilize woodworking, machining, and welding processes. This class is a great introduction to learn how to build, visualize and produce projects*! Students will receive an opportunity to proficiency test for HCC MFTG 115 upon completion of a full year.*

TEC 411/412 INTRODUCTION TO ENGINEERING DESIGN
***In Cooperation with Project Lead the Way**
(Yearly 1 Credit) (9, 10, 11, 12)

IED focuses on the design process and the applications that are used in the design world. Through hands-on projects, students apply engineering standards and document their work. Students use industry standard 3D modeling software to help them design solutions to solve proposed problems, document their work using an engineer's notebook, and communicate solutions to peers and members of the professional community. ***This course is designated as a STEM Concentration Course.***

TEC 421/422 PRINCIPLES OF ENGINEERING – CTE DUAL CREDIT
***In Cooperation with Project Lead the Way**
(Yearly 1 Credit) (10, 11, 12)

This course will offer students a unique opportunity to earn dual credit for Project Lead the Way (PLTW) coursework. This course is part of a series of high school pre-engineering curriculum developed by the national engineering program Project Lead the Way. Students will study different fields of engineering thought: civil, mechanical, electrical, energy, etc, technological systems, and manufacturing processes.
Students will also be involved in activities that focus on social and political consequences of technological change. Lessons are taught through hands-on projects that concentrate on how engineers and technicians use math, science, and technology to solve problems to benefit people. **This course is designated as a STEM Concentration Course. Heartland Community College Career Technical Education Credit can be achieved for Principles of Engineering.*

TEC 431/432 CIVIL ENGINEERING AND ARCHITECTURE – CTE DUAL CREDIT
***In Cooperation with Project Lead the Way**
(Yearly 1 Credit) (11, 12)

This course will offer students a unique opportunity to earn dual credit for high school level Project Lead the Way (PLTW) coursework; students must be enrolled in approved high school level PLTW programs in order to qualify for this course. Students enrolled in CEA will study the area of Civil Engineering and Architecture through a long-term project that involves the development of a local property site. As you learn about various aspects of civil engineering and architecture, you will apply what you learn to the design and development of this property. The course covers the following: The roles of civil engineers and architects, project and site Planning, building design, and project documentation and presentation. Revit, which is a state-of-the-art 3D design software package from AutoDesk, will be used to help design solutions to solve your major course project. Working in teams, you will learn about documenting your project, solving problems, and communicating your solutions to other students and members of the professional community of civil engineering and architecture. CEA is an advanced specialized course within the Project Lead the Way sequence. **This course is designated as a STEM Concentration Course. Heartland Community College Career Technical Education Credit can be achieved for Civil Engineering and Architecture.*

***Project Lead the Way** (PLTW) is a nationally recognized high school Pre-Engineering curriculum that uses rigorous and relevant curriculum through a project-based approach that engages students in conjunction with math and science content. Unit Five courses offered in the PLTW sequence include: Introduction to Engineering Design, Principles of Engineering, and Civil Engineering and Architecture. Project Lead the Way courses are eligible for college credit at certain engineering universities (i.e. RIT, Bradley, Purdue and others).

TEC 491/492 INTRODUCTION TO ANIMATION & RENDERING
(Semester ½ credit, Yearly 1 Credit) (9, 10, 11, 12)

This course is designed to introduce students to basic methods and practices of creating 3D animation and renderings. Students will experiment with a wide variety of animation techniques. They will use math skills to control timing, physics to control lighting and optics, writing skills for storytelling, art talents to create characters, and computer skills for editing scene, shape and object manipulation. Using industry leading 3D animation software, the student will learn to create animations that closely resemble famous movies such as: Toy Story, Monsters, Inc., and Inside Out. Attention will also be given to rendering and animating of fires, hair, explosions, and characters. Ninety percent of this course will have students using their technical skills to render and animate using provided software. **This course is designated as a STEM Concentration Course*.

TEC 521/522 METALWORKING TECHNOLOGY – CTE DUAL CREDIT
(Yearly 1 Credit)
Prerequisite: One Year of Introduction to Metal & Woods Technology

This course introduces the metal-working processes used to form, fabricate, and assemble manufactured products. Course content focuses on shielded metal arc welding, gas metal arc welding, oxy-fuel cutting, plasma torch cutting, lathe turning, and milling. Eighty-five percent of the content is taught through hands-on problem-solving activities. *Heartland Community College Career Technical Education Credit can be achieved for Metalworking Technology.*

TEC 561/562 ADVANCED METALWORKING TECHNOLOGY – CTE DUAL CREDIT
(Yearly 1 Credit)
Prerequisite: One Year of Metalworking Technology

This course focuses on advanced topics in metalworking such as: milling, lathe turning, welding, and project design. Throughout the semester, students will design and build a functional working product along with completing welding preparation in shielded metal are welding, gas metal arc welding, and gas tungsten arc welding. Course material concentrates on problem solving and hands-on activities. *This course is designated as a STEM Concentration Course. *Heartland Community College Career Technical Education Credit can be achieved for Advanced Metalworking. For an additional fee, students may choose to earn OSHA General Industry training credential through an on-line supplemental curriculum.*

TEC 721/722 WOODWORKING TECHNOLOGY
(Yearly 1 Credit) (10, 11, 12)
Prerequisite: One Year of Introduction to Metal & Woods Technology

This course is designed to help students develop an understanding of the manufacturing process through woodworking. Students will become skilled in the use of woodworking machines, tools and techniques. Students will also design, develop and produce a manufactured project. Topics include the manufacturing process, basic cabinet making/woodworking, jig and fixture production, finishing, assembly, wood identification and wood production. Considerable emphasis is placed on the production of wood products within a manufacturing environment.

TEC 741/742 ADVANCED WOODWORKING TECHNOLOGY
(Yearly 1 Credit) (10, 11, 12)
Prerequisite: One Semester of Woodworking Technology

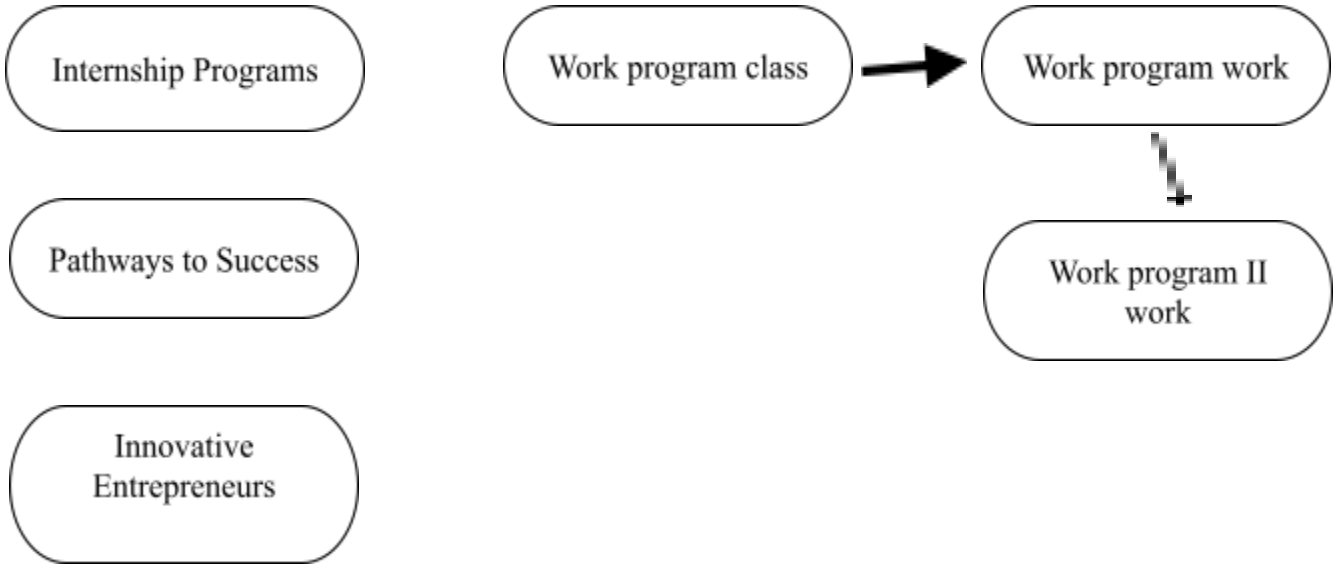
This course is an advanced study of the manufacturing process of wood products. Students will research, plan, and manufacture a student designed wood project with instructor approval. Topics include the product design, measurement, layout, manufacturing processes, cabinetmaking/woodworking, jig and fixture production, finishing assembly, wood identification and wood production. *This course is designated as a STEM Concentration Course. *For an additional fee, students may choose to earn OSHA General Industry training credential through an online supplemental curriculum.*

STM 811/812 STEM CAPSTONE
(Yearly, 1 Credit) (12)

The STEM Capstone course is the final course in the STEM Designation sequence. Students who enroll in this course will have the opportunity to apply the knowledge and skills they have learned through their previous STEM courses by working with local businesses / nonprofits to identify and solve a real-world problem. Students will explore the fundamentals of STEM design through robot construction, computer programming, profit analysis of design solutions and scientifically determining material properties. Students will then identify a problem, develop a solution and transform their idea into a product. The authentic partnerships developed during the course with STEM professionals will enable students to gain experience in STEM industries and explore potential careers. At the conclusion of this course students will have a marketable design solution which solves a real-world problem.

Please see page 16 for a complete description of the STEM Designation and for a list of courses that meet the prerequisite requirements.

Work/Career Exposure



WORK/CAREER EXPOSURE COURSE LIST

All Elective Courses

SUBJECT	GRADES	PREREQUISITES
Pathways to Success – Dual Credit	11, 12	None
Work Program Class	11, 12	
Work Program Work Year 1	11, 12	
Work Program Work Year 2	12	
Internship Program	12	Application is required
Innovative Entrepreneurs	12	Application is required

WORK/CAREER EXPOSURE COURSE DESCRIPTIONS

WRK121/122 PATHWAYS TO SUCCESS – DUAL CREDIT
(Semester ½ Credit) (11, 12)

This course will help students gain awareness of their academic, career, and personal selves and facilitate development in each of these areas. The focus will be placed on gaining knowledge of each self, identifying areas of strength and those needing improvement, and mastering the tools necessary to achieve growth in these life areas. *Heartland Community College dual credit can be achieved for Pathways to Success.*

WRK 101/102 WORK PROGRAM (CLASS)
WRK 100/109 ***BLENDED WORK PROGRAM (CLASS)***
(Yearly 1 Credit) (11, 12)
Prerequisite: Concurrent enrollment in WRK151/152

Workplace competencies and foundation skills such as orientation to a new job, interpersonal relationships, communication skills, evaluations, self-management, decision-making, critical thinking, responsibilities, labor laws, money management, income tax, career exploration, and entrepreneurship are covered and related to real-world working situations. Second year work program students cannot take WRK 101/102. **Meets Consumer Education requirement.*

WRK 151/152 WORK PROGRAM (WORK)
(Yearly 2 Credits) (11, 12) (First Year)
Prerequisite: Concurrent enrollment in WRK 101/102

This course enables students to develop and refine occupational competencies needed to acquire and succeed in a job, adjust to the employment, and advance in an occupation of their choice. On-the-job instruction is supervised by the employer. Students work closely with the teacher-coordinator in planning student learning experiences, which are compatible with student goals. Students are required to work an average of 15 hours per week. This course must be taken in conjunction with WRK 101/102 or WRK 100/109.

WRK 161/162 WORK PROGRAM II (WORK)
(Yearly 2 Credits) (12) (Second Year)

This course enables students to develop and refine occupational competencies needed to acquire and succeed in a job, adjust to the employment, and advance in an occupation of their choice. On-the-job instruction is supervised by the employer. They work closely with the teacher-coordinator in planning student learning experiences, which are compatible with student and employer goals. Students are required to work an average of 15 hours per week. Any student who has already taken WRK101/102 or WRK 100/109 will be required to meet with the work program coordinator once a week to submit hourly logs and discuss their job. Failure to meet with the coordinator at agreed upon times may result in removal from the work program.

Additional Work Program Information…

- Any student wishing to enroll in the Work Program must complete the application provided by their counselor.
- Parents/guardians are required to sign the application prior to acceptance.
- Interested students will meet with the Work Program coordinator to discuss the program prior to being accepted.
- Students are responsible for obtaining their own employment, and must be employed by the first day of school.
- Students are responsible for their own transportation to and from work.
- The Work Program coordinator will meet with the employers to evaluate the students each quarter.
- Students who fail the class portion of the Work Program (WRK 101/102) will be removed from the Work Program entirely.

WRK 141/142 INTERNSHIP PROGRAM
(Semester ½ Credit or 1 Credit) (Yearly 1 Credit or 2 Credits) (12)
Prerequisite: Application is required.

The Internship Program is designed for career exploration that benefits the student and will be tailored to meet the unique needs and interests of the learner. The student will participate in a workplace experience while interning with a mentor in a business/organization, which is reflective of the student's career interest, while observing workplace functions and investigating the requirements of a specific career field. Essential career skills will be correlated with soft skills and academic skills in a project-based format. The student will be released from school Monday-Thursday during practicum period(s) to intern with their mentor in an unpaid position with a business/organization an average of four hours per week for ½ credit or eight hours per week for 1 credit. Every Friday the student will participate in Internship Seminars during practicum period(s) at school instead of working with their mentor at the internship site. Seminars will assist the student in making connections between academic learning and workplace experiences in the following areas:

- Academic application, competency, and relationship development in a professional setting
- Career exposure, professionalism, and organizational culture
- Performance evaluation in light of expressed goals and learning outcomes
- Self-perception as compared to professional perception of site mentor
- Career goal assessment and clarification through reflection on internship experience
- Career Portfolio development, networking, and social media

BUS 741/742 INNOVATIVE ENTREPRENEURS
(Yearlong 2 Credits) (12)
Prerequisite: Application is required.

This class is a year-long experience that 1) engages students in startup business development and processes, and 2) creates meaningful connections with local business owners and innovators. Students will visit local businesses, partner with a business mentor, learn from guest speakers, develop their own business idea, and present progress to panels of business owners and investors throughout the year. Students will be exposed to design thinking, ideation, prototyping and a multitude of business and entrepreneurship concepts. Teamwork, motivation, responsibility, communication and inquiry will be further developed through this course. Students must be able to transport themselves to class each day as class will be held at various local businesses. This class requires an application and interview process that takes place in December.

This class will take place during 1st and 2nd hours; students will return to school prior to the beginning of 3rd hour.

Bloomington Career Academy

All Elective Courses

	GRADES	PREREQUISITE
Automotive Technology I	11, 12	None
Automotive Technology II	12	Automotive Technology I – C or better
Commercial Driver's License	12	Seniors who are 18 years of age or older
Computer Technology & Networking I	10, 11, 12	Technology Concepts
Computer Technology & Networking II	11, 12	Computer Technology & Networking I – C or better
Computer Technology & Networking III	12	Computer Technology & Networking II – C or better
Construction Trades I	10, 11, 12	Introduction to Metal & Wood Technology
Construction Trades II	11, 12	Construction trades I – C or better
Construction Trades III	12	Construction trades II – C or better
Cosmetology I	10, 11, 12	None
Cosmetology II	11, 12	Cosmetology I – C or better
Cosmetology III	12	Cosmetology I – C or better
Criminal Justice & Law Enforcement I	10, 11, 12	None
Criminal Justice & Law Enforcement II	11, 12	Criminal Justice & Law Enforcement I – C or better
Criminal Justice & Law Enforcement III	12	Criminal Justice & Law Enforcement II – C or better
Culinary Arts I	11, 12	FCS111-2/122 Culinary Arts I & II
Culinary Arts II	12	Culinary Arts I – C or better
Cybersecurity	10, 11, 12	None
Cybersecurity II	11, 12	Cybersecurity C or better
Emergency Medical Technician – Basic	12	None
Esthetics I & II	11, 12	None
Fire Science	11, 12	None
Health Careers & Medical Terminology	10, 11, 12	None
Certified Nurse Assistant	11, 12	None
CNA Leadership	12	Nurse Assistant (B or higher) and CNA Certification
Graphic Design & Video Production I	10, 11, 12	None
Graphic Design & Video Production II	11, 12	Graphic Design & Video I – C or better

Graphic Design & Video Production III	12	Graphic Design & Video I – C or better
Robotics & Engineering	10, 11, 12	Principles of Engineering
Robotics & Engineering II	12	Robotics & Engineering I – C or better
Mechatronics	10, 11, 12	None
Welding I	11, 12	Metal Working Technology
Welding II	12	Welding I – C or better
Heavy Equipment Repair and Operation	11, 12	None

BLOOMINGTON CAREER ACADEMY

Bloomington Career Academy is available to 10th, 11th and 12th grade students. The programs are designed to further a student's training in a specialized occupational area if they meet the prerequisites listed for that program. Transportation is provided from Unit 5 High Schools to the Bloomington Career Academy, and back each school day, except for first block of classes. **Students must adhere to attendance guidelines. Students who have missed 10% (18 days) of school in the previous 180 enrollment days will not be considered**.

Note: Additional class time will be required for travel.

Any student wishing to enroll in Bloomington Career Academy, must complete the online application. For more information, students should see their school counselor.

AVT 641/642 AUTOMOTIVE TECHNOLOGY I
(Yearly 2 Credits) (11, 12)
Prerequisite: None

This course is designed to prepare students for an entry-level job or advanced training in the automotive service and diesel technology field. Students will develop skills in the design, theory, function, and diagnostic procedures of gasoline and diesel engines. In addition, all aspects of the vehicle will be covered, including safety, basic maintenance, braking systems, engine repair, suspension and steering, electrical/electronic, which include modern computer controls and emissions systems. Students will perform automotive service work with an emphasis on shop operating safety procedures.
Industry Certifications Available: ASE A1 – Engine Certification, OSHA 10 safety certification
This class is dual credit with Heartland Community College, EVES 110

AVT 651/652 AUTOMOTIVE TECHNOLOGY II
(Yearly 2 Credits) (12)
Prerequisite: Successful Completion of Automotive Technology I – C or better

Students will enhance the skills learned in Automotive Technology I as well as develop new skills. Students will learn to use advanced tools and equipment through hands-on experience with the latest technology in the automotive industry. Specific topics that will be covered in depth include safety, basic maintenance, braking systems, engine repair, suspension and steering, electrical/electronic, which include modern computer controls and emissions systems. The students will perform automotive service work with an emphasis on real world shop operating scenarios using teacher and community vehicles. Electric Vehicle theory and application methods including service, diagnostics, and repair.

AVT521/522 Commercial Driver's License
Prerequisite: Available to: Seniors who are 18 years old

This Commercial Driver's License (CDL) course, offered in partnership with Nussbaum Trucking Academy at Heartland Community College, provides comprehensive instruction in the safe and proper handling and operation of semi-trucks. The course includes classroom training for the CDL Learner's Permit, Essential Workplace Skills training in communication and customer service, and extensive behind-the-wheel training in an automatic or manual transmission semi tractor-trailer.

Students will learn essential strategies for driving in hazardous conditions, observing laws and regulations, and properly loading and securing cargo. The course also covers the expectations and realities of a career in commercial driving. At the end of the course, students will take the Class "A" License Road and Skill Test, administered by the Illinois Secretary of State's Office. This course is designed to fully prepare you for an entry-level position as a professional driver, with a strong emphasis on practical, behind-the-wheel experience.

This course is designed to fully prepare you for an entry-level position as a professional driver, with a strong emphasis on practical, behind-the-wheel experience.
Industry Certifications Available: Class A Commercial Driver's License through the Illinois Secretary of State

AVT 221/222 COMPUTER TECHNOLOGY & NETWORKING I
(Yearly 2 Credits) (10, 11, 12)
Prerequisite: Technology Concepts

The Computer Technology & Networking course is designed to equip both the novice and experienced students with entry-level computer technician proficiencies. Students will work closely with the instructor, an educational technology department, and local technology businesses to better their understanding of the material covered in class. The course will help

students become adept with customer support techniques and key computer hardware architecture components, such as: the motherboard, processor, memory, drives, networks, power supplies, and peripheral devices for both desktop and laptop computers. Additionally, students will install, configure, and troubleshoot the significant operating systems utilized today. Significant lab time is provided to offer the student authentic hands-on experiences in working with computers.
The goal is to prepare these students to take the COMPTIA A+ Certification (starting point for a career in IT) and have them available to assist schools' technology departments in a variety of manners. In addition to hardware curriculum, the class will also be working on basic networking knowledge and skills; connecting to a network, connecting to the internet through an ISP, network addressing, network services, wireless technologies, basic security, and troubleshooting your network.
***Industry Certification Available*: COMPTIA A+ certification.**
This class is Dual Credit with Heartland Community College, Networking 150, 3 credits and Networking 151, 3 credits.

AVT 231/232 COMPUTER TECHNOLOGY & NETWORKING II
(Yearly 2 Credits) (11, 12)
Prerequisite: Successful Completion of Computer Technology & Networking I – C or better

This course builds on the skills introduced in Computer Technology & Networking I. Students learn how to connect and install multiple computers and peripherals together to create a computer network. Students build, configure, and maintain network servers along with installing and configuring various network operating systems such as Novell, Windows, and Linux. Students learn to use troubleshooting services, system monitoring utilities, and data backup and recovery systems. Other topics include learning how to connect various network components such as servers, computers, and printers together using data cabling, hubs, and switches. Students learn to run, terminate, and troubleshoot data cabling. In addition, students learn how to install and upgrade software across the network, as well as map drives and share resources such as printers, software, and files. The course includes setting up and configuring various network services such as TCP/IP, DHCP, DNS, VPN, terminal services, e-mail, and web services. Students learn how to secure and protect network servers and data as well as setting up and configuring a firewall, intrusion detection system, and encryption software for identifying and preventing potential network attacks.
***Industry Certification Available*: CompTIA's Net Pro Certification.**
This class is Dual Credit with Heartland Community College: Networking 160, 3 credits and Networking 167, 3 credits.

AVT 241/242 COMPUTER TECHNOLOGY & NETWORKING III
(Yearly 2 Credits) (12)
Prerequisite: Successful Completion of Computer Technology & Networking I & II – C or better

This course builds on the skills introduced in Computer Technology & Networking I and II. Internships will be a part of this course along with independent study in the students' area of interest. Cybersecurity is currently the main focus of this course through an online lab simulation application.

AVT 761/762 CONSTRUCTION TRADES I
(Yearly 2 Credits) (10, 11, 12)
Prerequisite: Introduction to Metals and Woods

This course provides an opportunity for students who are planning on entering a post-secondary educational program in construction or entering into the workforce at entry level. The focus of this class is hands-on construction. There will be emphasis on foundations, framing, exterior and interior finish, electrical, plumbing, and roofing. Students will develop workplace skills in basic math, hand and power tools, basic blueprint reading, safe work habits, proper job attitudes, technical jargon, and learn about the wide variety of opportunities in the field of construction.

OSHA 10-hour safety certification
This class is dual credit with Heartland Community College, Construction 101, 3 credit hours.

AVT 781/782 CONSTRUCTION TRADES II
(Yearly 2 Credits) (11,12)
Prerequisite: Successful Completion of Construction I – C or better

This course provides an opportunity for students who are planning to enter a postsecondary educational program in construction or enter into the workforce at entry level. Students will enhance workplace skills in blueprint reading, mechanical systems, electrical wiring, and construction estimating and scheduling, while developing leadership roles.

AVT791/792 CONSTRUCTION TRADES III
(Yearly 2 Credits) (12)
Prerequisite: Successful Completion of Construction Trades I and II

This course provides an opportunity for students planning to enter a postsecondary educational program in construction or enter the workforce at entry level with some management experience. Students will enhance workplace skills in blueprint reading, tool safety, stair construction, drywall applications, interior finishes, mechanical systems, electrical wiring, and construction estimating and scheduling while further developing leadership roles.

AVF 801/802 COSMETOLOGY I
(Yearly 2 Credits) (10, 11, 12)
Prerequisite: None
AVF 851/852 COSMETOLOGY II
(Yearly 2 Credits) (11, 12)
Prerequisite: Cosmetology I – C or better
AVF861/862 COSMETOLOGY III
(Yearly 2 Credits) (12)
Prerequisite: Cosmetology II – C or better

Do you want to learn how to braid, style, and perm long and short hair? Then this is the program for you! Students attend BCA Cosmetology School.. While attending, students demonstrate competencies in two of the five classroom modules needed for the required Illinois State Board Exam. All students will focus on one module in the first year and another module in the second year. Classes will also attend the Midwest Beauty Show in Chicago, where they are able to network with over 50,000 hair, skin, and nail professionals.

Module One will consist of styling hair in the wet and dry state. Training on manikins will develop an understanding of the shape of the head. Observation will be made of different ways of styling long and short hair. These methods may include braiding, curling, straightening, up and down styles, and many more. Students then practice these methods until they have mastered these techniques based upon industry standards. ***Module Two*** will consist of understanding the texture of the hair. This will include adding and removing texture to hair, as well as multicultural texture reformation. Observation will be made of different ways of perming using different chemicals and rod styles, and relaxing hair using different chemical relaxers. Students then practice these methods until they have mastered these techniques based upon industry standards. All hours accumulated during the student's time at BCA Hairmasters Cosmetology are credited towards the completion of the 1,500-hour course and licensure.

AVC 241/242 CRIMINAL JUSTICE & LAW ENFORCEMENT I
(Yearly 2 Credits) (10, 11, 12)

This program is designed to acquaint students with the various aspects of the criminal justice system, including the structure of law enforcement; procedures of criminal law; the court system; corrections; and juvenile justice. Students will first learn the basics of the criminal justice system and become familiar with criminal law and how it applies to individual rights. United States Supreme Court landmark cases will be examined to have a better understanding of their importance in today's role in our criminal justice system. Students will also hear from experts who will expand their knowledge about the multitude of career opportunities within the criminal justice field. Students will take part in field trips to various locations within the criminal justice specialty areas to see and learn about their daily operations. Students will also take part in various hands-on activities similar to the duties of a police officer, as well as explore aspects of various roles within the police departments, including exploration in forensic science, evidence processing, and steps to properly process a crime scene.

Industry Certifications Available: CPR/AED and Stop the Bleed Certifications, OSHA 10-Hour Safety, Emergency Telecommunicator Certification

This class is dual credit with Heartland Community College, CRJ 110.

AVC 271/272 CRIMINAL JUSTICE & LAW ENFORCEMENT II
(Yearly 2 Credits) (11, 12)
Prerequisite: Successful Completion of Criminal Justice & Law Enforcement I – C or better

During this phase of the program, students will have the opportunity to explore more concise and detailed operations of the criminal justice field. Students will participate in various job-shadowing opportunities and off-site visits to select venues to

gain a better understanding of specialties and characteristics within the criminal justice field. Independent study units will be used to allow a more advanced insight, as students will research and analyze actual police cases to examine findings and submit recommendations. Students will also have the opportunity to take on leadership and mentoring roles to first-year students and utilize their first-year experiences to assist in guiding students toward a successful year.

AVC291/292 CRIMINAL JUSTICE & LAW ENFORCEMENT III
(Yearly 2 Credits) (12)
Prerequisite: Successful Completion of Criminal Justice & Law Enforcement I & II

Curriculum will be based on student interest, market trends, and business demands. Internships will also be a primary part of the coursework.

AVF 551/552 CULINARY ARTS I
(Yearly 2 Credits) (11, 12)
Prerequisite: FCS122 Culinary Arts II

This course provides students considering a career in culinary arts and the food service industry with classroom instruction and lab experiences to develop job-related competencies. Students start with basic sanitation and workplace safety, and then continue with instruction on food handling, preparation, quantity production, quality control, planning, operation, and presentation. Commercial quality food service equipment will be used to prepare food and provide hands-on instruction for each area of food study.

Industry Certifications Available: ServSafe Food Handler, Servsafe Food Production Manager Certification, and SerSafe Allergen Certifications through ServSafe, which is endorsed by the National Restaurant Association.
This class is Dual Credit with Joliet Junior College: CA 105, 2 hours and 106, 3 hours.

AVF 591/592 CULINARY ARTS II
(Yearly 2 Credits) (12)
Prerequisite: Successful Completion of Culinary Arts I – C or better

This course provides students with leadership opportunities and responsibility for food service management. Students in this class have the opportunity to cater many different events. Students have the opportunity to plan menus, select food, supervise food preparation, develop pricing strategies, order food, and maintain safety and sanitation, while mastering operation of all food preparation equipment. Culinary related field trips and events will be part of the curriculum. Students develop skills that will prepare them for postsecondary education and employment opportunities.

AVT251/252 CYBERSECURITY
(Yearly 2 Credits) (10,11,12)

This cybersecurity program is specifically designed for beginners. In this hands-on course, students will learn more about ethical hacking, uncovering vulnerabilities, and securing systems. Students will receive guidance from google experts and acquire essential skills for entry-level positions like cybersecurity analysts or security operations center analysts while having the unique opportunity to collaborate with local industry experts, gaining invaluable insights into the regional cybersecurity landscape.

Industry Certifications Available: Google Cybersecurity Professional Certificate, CompTIA Security+

AVT315/316 CYBERSECURITY II
(Yearly 2 Credits) (11, 12)
Prerequisite: Successful completion of Cybersecurity– C or better

This Network Security course offers a solid foundation in key security principals within computer and information technology. Students will learn to identify and counter various network threats, including attacks on email, web applications, remote access, and file and print services. Core topics include authentication protocols, malware detection, secure communication channels, intrusion detection systems, and firewall implementation. Through hands-on experience with Google Cloud tools like Cloud Shell, Cloud Storage, and the Security Command Center, students tackle real-world cybersecurity challenges while working towards a Google Cloud Cybersecurity certification. The course also includes training in essential cybersecurity programming languages, equipping students with the skills needed to build secure systems and respond to evolving cyber threats.

AVC 361/362 EMT (EMERGENCY MEDICAL TECHNICIAN)-BASIC

(Yearly 2 Credits) (12) (Seniors Only)
Prerequisite: None

This course will introduce the care and handling of the critically ill and injured. Emphasis is on the development of skills in assessment of illnesses and the application of proper emergency care procedures. This course will meet federal and state guidelines for basic EMT training. Students who successfully complete this course will be able to sit for the National Registry EMT-Basic licensure exam after turning 18 years of age and graduating from high school. Highlights include ride time at the local fire departments and hands-on practical training.

Industry Certifications Available: EMT-B License, CPR and Stop the Bleed Certifications, Emergency Telecommunicator Certification, OSHA 10-Hour Safety

This class is Dual Credit with Heartland Community College, EMT 101, 8 credits.

AVF871/872 ESTHETICS I & II
(Yearly 2 Credits) (11,12)

This program will improve your understanding of day-to-day skincare, specialized skin treatments, and more. Our curriculum is ideal for aspiring facialists, waxing specialists, body treatment specialists, and makeup artists. Work as an esthetician sees you addressing unique skin conditions and composing equally-unique skincare treatment programs while also helping clients through questions about hair removal, makeup applications, and more. All hours accumulated during the student's time at BCA Esthetics are credited towards the completion of the 750-hour course and licensure.

AVC 341/342 FIRE SCIENCE I
(Yearly 2 Credits) (11, 12)
Prerequisite: None

This program allows students to explore and prepare for a possible career in the Fire Service. Professional Firefighters teach the course. Students will gain lab experience on-site at Bloomington and Normal Fire Stations and will learn technical and manipulative skills. Those skills include, but are not limited to, the following areas of study: fire behavior, safety, self-contained breathing apparatus, turnout gear use, portable fire extinguishers, ladders and ladder use, fire hose and appliances, building construction, forcible entry, ventilation, water supply, nozzles and fire streams, rescue, fire control, and ropes and knots. The students will be offered the opportunity to participate in Skills USA, a competition of other fire science students in Illinois.

Students must be in good physical condition to enroll in the course, as training will include climbing stairs and crawling with additional equipment and supplies.

Industry Certifications Available: First Responder Certification

This program will offer Dual Credit with Illinois Central College: Fire Science 110, 3 credits & Fire Science 113, 3 credits.

AVH701/702 HEALTH CAREERS AND MEDICAL TERMINOLOGY
(YEARLY 2 CREDITS) (10, 11, 12)
Prerequisite: None

Health Careers and Medical Terminology is a one-year program offered to sophomore, junior, and senior students interested in pursuing a career in the medical field or in public safety. Students will learn basic human anatomy and physiology, a solid foundation in medical terminology, and injury/disease processes. Students will have many opportunities for hands-on training and skills development. It will provide a clear understanding of the first aid process in an emergency situation. The course will explore many medical career options such as Physical and Occupational Therapy, Radiology, Dental Assistant, Nursing, Sports Medicine, X-Ray Technician, as well as Physician specialties. It will give students an up-close look at employment opportunities and educational pathways. Multiple guest speakers from various backgrounds and career opportunities will present to the class.

Industry Certifications Available: CPR and Stop the Bleed Certifications

This class is Dual Credit with Heartland Community College, Health 110, 3 credits.

AVH 651/652 CERTIFIED NURSE ASSISTANT
(Yearly 2 Credits) (11, 12)
Prerequisite: None

Are you contemplating a career in health care? The opportunities are unlimited for trained professionals in the healthcare field. Upon successful completion of this course, students are eligible to take the state competency exam to become certified nursing

assistants (CNAs). Classroom instruction includes certification in Basic Life Support/CPR and fundamental healthcare principles. Some of these healthcare principles include infection control, safety, patient confidentiality, measuring vital signs, bathing and grooming techniques, nutrition, and transferring residents. Students will participate in hands-on care of residents in long-term care facilities as part of the clinical requirements. Attendance is essential due to the number of state-mandated hours that are required. This class is recommended for students planning for post-secondary education or career attainment. Excellent attendance and communication skills are necessary.

Industry Certifications Available: Certified Nurse Assistant License, CPR/AED Certified

This class is Dual Credit with Heartland Community College, Nursing 110, 8 credits.

AVH 691/692 CNA LEADERSHIP

(Yearly 2 Credits) (12)

Prerequisite: Successful Completion of Nurse Assistant Program (B or higher), CNA Certification and approval from BCA instructors.

Are you interested in getting hands-on experience in local hospitals, clinics, and medical offices? The Advanced CNA program is an internship program in which students gain learning experiences in local health care facilities. Students will benefit from speakers within the industry, enhance their technical skills, and develop workplace readiness. Students who have completed the BCA Certified Nurse Assistant program have an opportunity to apply for the Advanced CNA program. The top 15 students are chosen based on their clinical skills, grades, attendance, professionalism, communication skills, and leadership qualities. Participating internship sites include, but are not limited to: Carle BroMenn Medical Center, OSF St. Joseph Medical Center, Center for Wound Healing and Hyperbaric Medicine, and Illinois Cancer Care. This class is recommended for students planning for post-secondary education or career attainment.

AVT 301/302 GRAPHIC DESIGN & VIDEO PRODUCTION I

(Yearly 2 Credits) (10, 11, 12)

Do you want to know how to turn your ideas into digital graphics? Do you have a skill at conceptualizing advertising graphics and want to turn them into usable pieces? Students in this course will develop skills used by digital media graphic designers, desktop publishers, and other members of the multimedia/communications industry. Students will be using industry standard software packages, such as: Photoshop, Illustrator, Final Cut Pro X, Logic Pro, and more. Students will be introduced to drawing techniques, digital photography, page assembly, multimedia production and print technologies, as well as vinyl printing and branded apparel design. Students will also utilize the steps necessary to mass produce digital media designs. If you are considering a career in graphic arts, this is the class for you!

This class is Dual Credit with Heartland Community College, DMED 130, 3 credits. Students have the opportunity to become Adobe certified in Illustrator CC and Photoshop CC.

AVT 311/312 GRAPHIC DESIGN & VIDEO PRODUCTION II

(Yearly 2 Credits) (11, 12)

Prerequisite: Successful completion of Graphic Design & Video Production I – C or better

Students in this class will receive intensive study in advanced digital media design. Students will have the opportunity to establish a leadership role within the print shop, and partner with outside resources to create projects for distribution. This class is recommended for students who are considering a career in the industry as well as preparing for post-secondary education. \

his class is Dual Credit with Heartland Community College, Digital Media 120, 3 credits. Digital Media 130, 3 Credits.

AVT321/322 GRAPHIC DESIGN & VIDEO PRODUCTION III

(Yearly 2 Credits) (12)

Prerequisite: Successful Completion of Graphic Design & Video Production I and II

Curriculum will be based on student interest, market trends, and business demands. Internships will also be a primary part of the coursework.

AVT401/402 ROBOTICS & ENGINEERING

(Yearly 2 Credit) (10, 11, 12)

Prerequisite: Principles of Engineering

Students enrolled in this course will demonstrate the knowledge and skills necessary for robotic and engineering industries. Through implementation of the design process, students will apply concepts learned in physical science and physics classes to mechanical devices. Students will develop skills in mechanical design (CAD), and construction as they work in teams to build

simple and complex robotic devices. They will build prototypes or use simulation software to test their designs. Additionally, students will explore career opportunities, employer expectations, and educational needs in the engineering fields.
Industry Certifications Available: Onshape (CAD) Certification. Drones Certification & Competitions

AVT411/412 ROBOTICS & ENGINEERING II
(Yearly 2 Credit) (11,12
Prerequisite: Successful Completion of Robotics I
The second in a sequence of courses that prepares individuals with a lab-based, hands-on curriculum combining electrical, mechanical, and engineering principles. Students will learn to design, build, program, and control robotic devices. Additionally, students will explore career opportunities, employer expectations, and educational needs in the engineering fields.
Industry Certifications Available: **Onshape (CAD) Certification. Drones Certification & Competitions**

AVT725/726 MECHATRONICS
(10, 11, 12)
Prerequisite:None
The Mechatronics course provides students with a comprehensive introduction to the principles and applications of electro-mechanical systems, with a focus on the integration of electrical, mechanical, and automated technologies. Students will gain knowledge and hands-on experience in areas such as electricity, mechanics, hydraulics, pneumatics, gears, cams, levers, and industrial circuits, as well as robotic operations and programming. Instruction includes the operation, safety, and troubleshooting of industry-leading robotic systems, motor controls, and advanced automation equipment. Emphasis is placed on understanding manufacturing processes, materials, and system components used in modern production environments. This course is designed to prepare students for careers in advanced manufacturing, automation, and related technical fields, and to provide a strong foundation for postsecondary education in engineering technology or industrial maintenance. An emphasis is placed on the Lean approach to manufacturing—a philosophy centered on minimizing waste and maximizing efficiency. Through this lens, students will gain a deeper understanding of how to optimize manufacturing processes, select the right materials, and utilize system components to achieve streamlined, high-performance production environments.
This class is Dual Credit with Heartland Community College, MAIN 220 and MAIN 245.

AVT 601/602 WELDING I
(Yearly 2 Credits) (11, 12)
Prerequisite: Metal Working Technology
Location: Heartland Community College and Tri-Valley High School
This course is designed for students with an interest in the field of manufacturing, which includes machining, sheet metal, computerized machines, and welding. Classroom instruction will include workplace safety, blueprint reading, applied math, training of hand and power tools, and instruction on proper procedures of laboratory equipment. Specialized laboratory learning experiences include planning, manufacturing, assembling, and metal fabricating process. Students will develop skills necessary to continue with post-secondary education or obtain an entry-level position in the manufacturing occupations. Students will also benefit from the business partnership with Caterpillar.
Industry Certifications Available: American Welding Society (AWS) Certification
This class is Dual Credit with Heartland Community College: Welding 110, 3 credits each.

AVT 621/622 WELDING II
(Yearly 2 Credits) (12)
Prerequisite: Welding I – C or better
Location: Heartland Community College and Tri-Valley High School
Students enrolled in this course will enhance their opportunities for obtaining employment in manufacturing. Students will specialize in an area of interest while mastering blueprint reading, applied math, training of hand and power tools, and instruction on proper procedures of laboratory equipment. Students will also increase the amount of lab experience in the area of Computer Numerical Control (CNC) by using a lathe and vertical mill. Students experience 95% hands-on activities during the second year and may work towards the American Welding Society (AWS) certification in Shielded Metal Arc Welding (SMAW). Students will also benefit from the business partnership with Caterpillar.

AVT721/722 Heavy Equipment Repair and Operation
Prerequisite: 11, 12th Grade

Heavy Equipment Repair and Operation equips students with the skills and knowledge needed for a successful career in the heavy equipment industry. Through a combination of classroom instruction and hands-on training, students learn to operate and maintain a variety of heavy equipment. The program emphasizes safety, preventative maintenance, troubleshooting, and repair techniques, ensuring that students can confidently handle equipment used in distribution, manufacturing, and utility industries. With real-world experience gained in our yard and shop, students graduate with the foundational skills required to meet industry demands and excel in the workforce. Students must hold a valid Illinois driver's license.

*****Dual Credit is subject to change at the discretion of the community college. *****

SKILLSUSA

SkillsUSA is a nationally recognized organization that helps high school and college students enhance traits and skills that will help them succeed in the workforce. Members participate in local chapter meetings to develop leadership, teamwork, citizenship, character, and self-confidence as they attend classes to learn career and technical skills. State and National level competitions allow students to display the leadership and occupational skills they have learned throughout the year, and students are assessed by industry-driven standards. SkillsUSA provides access to postsecondary scholarships and training to prepare workers for a lifetime of success in and out of the workplace. Any student enrolled in a BCA program is eligible to participate in SkillsUSA.

HEARTLAND COMMUNITY COLLEGE/UNIT 5 PLACEMENT AGREEMENT

Heartland Community College will allow students to place into credit bearing courses and bypass the Heartland Community College Readiness assessment if a grade of an A or B is earned in the courses designated below. This info is documented below.

- Any student earning a B or better in the indicated Unit 5 course will meet placement for the designated HCC course(s) and will not need to take the HCC assessment.
- In year-long high school courses, a B or better is required both semesters.
- High school courses for placement will be honored if completed within 2 years prior to enrollment.

HEARTLAND COMMUNITY COLLEGE AND UNIT 5 MATH PLACEMENT AGREEMENT

Unit 5 Course	HS Course Duration	Placement
MAT 681/682: Algebra 2 w/ Trigonometry	Year-long	TMAT 103: Technical Math I
MAT 721/722: Honors Algebra 2 w/Trigonometry	Year-long	TMAT 103: Technical Math I
AP Precalculus	Year-long	TMAT 103: Technical Math I MATH 131: Explorations in Math MATH 135: Math for Elementary Teachers I MATH 141: Intro to Statistics
MAT811/812 STEM Trigonometry	Year-long	TMAT 103: Technical Math I MATH 131: Explorations in Math MATH 135: Math for Elementary Teachers I MATH 141: Intro to Statistics
MAT841 Finite Math	Semester	TMAT 103: Technical Math I MATH 131: Explorations in Math MATH 135: Math for Elementary Teachers I MATH 141: Intro to Statistics
MAT842 Probability & Statistics	Semester	TMAT 103: Technical Math I MATH 131: Explorations in Math MATH 135: Math for Elementary Teachers I MATH 141: Intro to Statistics
MAT921/922 AP Calculus AB	Year-long	TMAT 103: Technical Math MATH 109: College Algebra MATH 111: Finite Math MATH 131: Explorations in Math MATH 135: Math for Elementary Teachers I MATH 141: Intro to Statistics MATH 151: Calculus for Business & Social Science MATH 161: Calculus I
MAT942/942 AP Calculus BC	Year-long	TMAT 103: Technical Math MATH 109: College Algebra MATH 111: Finite Math MATH 131: Explorations in Math MATH 135: Math for Elementary Teachers I MATH 141: Intro to Statistics MATH 151: Calculus for Business & Social Science MATH 161: Calculus I

HEARTLAND COMMUNITY COLLEGE AND UNIT 5 ENGLISH PLACEMENT

Unit 5 Course	HS Course Duration	Placement
ENG 571/572 English IV	Semester	College Level Reading and Writing
ENG 631/632 Senior Literature	Semester	College Level Reading and Writing
ENG 721/722 Philosophy and Literary Criticism	Semester	College Level Reading and Writing
ENG 881/882 AP English Literature and Composition	Year-long	College Level Reading and Writing