KEARNEY HIGH SCHOOL
PROGRAM OF STUDY
2023-2024

Kearney R-1 District 9-12 Grade Individual Planning Guide
2023-2024

Kearney Senior High School
715 East 19th Street
Kearney, MO 64060

Kearney Junior High School
2215 South Campus Drive
Kearney, MO 64060

Dr. Andrew Gustafson.....Principal, KHS
Dan Miller.....Assistant Principal, KHS
Sandy Henshaw….A+ Coordinator/Assistant Principal, KHS
Dave Schwarzenbach.....Athletic Director
Janelle Veith (A-G).....10-12 Counselor, KHS
Mandy Jury (H-O)…….10-12 Counselor, KHS
Erin McMains (P-Z)..... 10-12 Counselor, KHS

Kearney Junior High School

Mike Hoffman……Principal, KJHS
Dr. Laura Hartman……..Assistant Principal, KJHS
Samantha Anderson. . . . . 9 Counselor, KJHS
Erin Hawkins . . . . . 9 Counselor KJHS

Graduation Requirements for classes of 2023 and 2024

Kearney High School Diploma Requirements	**Total of 24 Credits**
Language Arts (English I, II, and III/ AP English Language and Composition required)	4 credits
Social Science (Am Gov't, Am History required)	3 credits
Mathematics (Algebra I or higher and Geometry required)	3 credits
Science (Physical Science and Biology required)	3 credits
Fine Art (Music, Visual Art, or Drama)	1 credit
Practical Art (Agriculture Education, Family/Consumer Science, Business, Marketing, Technology, Industrial Tech, PLTW Engineering Strand, PLTW BioMedical Strand, Publications and Broadcasting, Entertainment and Sports Arts, NCAPS, Kearney Internships, and Career Center Courses)	1 credit
Additional Fine or Practical Art	.5 credit
Personal Finance	.5 credit
PE	1 credit
Health	.5 credit
Electives	6.5 credits

College Prep Certificate Requirements for classes of 2023 and 2024

Kearney High School College Prep Certificate Requirements	**Total of 25 Credits and GPA 2.67**
Language Arts (English I or English I Honors, English II or English II Honors; English III or AP English Language and Composition, and College Prep or AP English Literature and Composition, English IV, OR College Public Speaking and 1 semester of the prior approved senior English classes required)	4 credits
Social Science (Am Gov't, and American History required)	3 credits
Mathematics (Algebra I or higher, Geometry, Algebra II and 4th Math—not Math Applications)	4 credits
Science (Physical Science and Biology required)	3 credits
1 Additional Core Class from LA, Social Science, Math, Science, or Foreign Lang.	1 credit
Fine Art (Music, Visual Art, or Drama)	1 credit
Practical Art (Agriculture Education, Family/Consumer Science, Business, Marketing, Technology, Industrial Tech, PLTW Engineering Strand, PLTW BioMedical Strand, Publications and Broadcasting, Entertainment and Sports Arts, Kearney Internships, NCAPS, and Career Center Courses)	1 credit
Personal Finance	.5 credit
PE	1 credit
Health	.5 credit
Foreign Language (2 credits of same language)	2 credits
Electives	4.0 credits

Kearney School District Diploma Options for the Classes of 2025 and 2026

Purple Seal	Gold Seal	Platinum Seal
(Minimum Credit Requirement)	**(College and Career Prep) GPA: 2.67**	**(Distinguished) GPA: 2.67**
ELA -- 4 credits ***(Must include ELA I, ELA II and III/AP English Language and Composition required) 1 ELA elective credits)***	**ELA -- 4 credits** ***(Must include ELA I, ELA II and III/AP English Language and Composition required, and English IV or higher)***	**ELA -- 4 credits** ***(Must include ELA I, ELA II and III/AP English Language and Composition required, and English IV or higher)***
Math -- 3 credits ***(Algebra I or higher and Geometry required)***	**Math -- 3 credits** ***(Algebra I or higher and Geometry required)*** ***(College bound need 4 credits)***	**Math -- 4 credits** ***(Algebra I or higher and Geometry required)*** ***(College bound need 4 credits***
Social Studies -- 3 credits ***(Must include Am. History, Am. Gov. credits)***	**Social Studies -- 3 credits** ***(Must include Am. History, Am. Gov. ~~credits~~)***	**Social Studies -- 3 credits** ***(Must include Am. History, Am. Gov. credits)***
Science -- 3 credits ***(A Physical Science and Biology required)***	**Science -- 3 credits** ***(A Physical Science and Biology required)***	**Science -- 3 credits** ***(A Physical Science and Biology required)***
Fine Arts -- 1 credit ***(Music, Visual Art, or Drama)***	**Fine Arts -- 1 credit** ***(Music, Visual Art, or Drama)***	**Fine Arts -- 1 credit** ***(Music, Visual Art, or Drama)***
Practical Art - 1 credit ***(Ag. Education, Family/Consumer Science, Business, Marketing, Technology, Ind. Tech., PLTW Engineering Strand, PLTW BioMedical Strand, Publications and Broadcasting, Sports and Entertainment Arts, NCAPS, Kearney Internships, and Career Center Courses)***	**Practical Art - 1 credit** ***(Ag. Education, Family/Consumer Science, Business, Marketing, Technology, Ind. Tech., PLTW Engineering Strand, PLTW BioMedical Strand, Publications and Broadcasting, Sports and Entertainment Arts, NCAPS, Kearney Internships, and Career Center Courses)***	**Practical Art - 1 credit** ***(Ag. Education, Family/Consumer Science, Business, Marketing, Technology, Ind. Tech., PLTW Engineering Strand, PLTW BioMedical Strand, Publications and Broadcasting, Sports and Entertainment Arts, NCAPS, Kearney Internships, and Career Center Courses)***
Phys. Ed -- 1 credit	Phys. Ed -- 1 credit	Phys. Ed -- 1 credit
Additional Fine or Practical Arts -- 0.5 credit	Additional Fine or Practical Arts -- 0.5 credit	Additional Fine or Practical Arts -- 0.5 credit
Health -- 0.5 credit	Health -- 0.5 credit	Health -- 0.5 credit
Personal Finance -- 0.5 credit	Personal Finance -- 0.5 credit	Personal Finance -- 0.5 credit
Elective -- 6.5 credits	Elective -- 6 credits *If student is college bound they will need 4 math credits which will reduce the elective requirements to 5 credits.*	Elective -- 7.5 credits *If student is college bound they will need 4 math credits which will reduce the elective requirements to 6.5 credits.*

Total Required Credits: 24 credits	Foreign Language (2 Credits) (2 years of same international language)	Foreign Language (2 Credits) (2 years of same international language)
Other Distinguishers: 1 MVA Required	Total Required Credits: 25.5	Total Required Credits: 28
	Other Distinguishers: 1 MVA Required	Other Distinguishers: 2 MVA Required

MVA Quick-Glance Guide

Work Experiences	
Internships	Qualify for high school credit
	Minimum of 120 hours within a calendar year (at least 60 onsite)
	Performance evaluated by work manager AND educator
	Internship is substantive enough to be included on resume
Client Projects	Student has an authentic problem to solve
	Student works in collaboration with other learners and professionals from industry
	Work involves authentic methods and tools used by professionals in work environment
	Exerience includes mentoring and evaluation by working professionals
	Output is viewed as value-add by external stakeholders and is resume-worthy
	Time=Project Sponsor 4 hrs; Facilitator 6 hrs; Students 24 hours; SMEs 2 hours
College Credits	
	College Precalculus Algebra
	College Biology
	College Chemistry
	College Math for Liberal Arts
	College Fundamentals of Public Speaking
	College Spanish IV and V
	College Intro to Business
	College Intro to Composition 100 and 200
	College Intro to Literature
	College Statistical Reasoning
	Credit through MCC
	Credit through Northland CAPS (Specific to a degree only)
AP Classes	
	AP American Government
	AP Calculus
	AP English Language and Composition
	AP English Literature and Composition
	AP German
	AP Human Geography
	AP Music Theory
	AP Physics C:Mechanics
	AP US History
Regionally Vetted IRCs	
	Valid credential that local employers require and view as purposeful
Entrepreneurial Experiences	
	A compelling social or market problem is identified
	Input and support is leveraged from multiple stakeholders and compiled into a summary
	A "business plan" is created including an assessment of costs and benefits associatedwith development or operation of their solution
	Students present to relevant external stakeholders with prototypes and receive feedback
Courses that Could Provide Students with an MVA Opportunity	
	All Career Center Classes
	All Northland CAPS Classes
	All Internship Classes
	All College Credit Classes and AP Classes - 9 credits for an MVA
	All PLTW / Agriculture / Marketing Capstone Classes
	Sociology, Human Geography, Sports and Entertainment Arts, Advanced Publications and Journalism, Broadcasting, Sports Broadcasting,
	Advanced Digital Arts, Graphic Design I and II, Housing and Interior Design, Child Development Lab, Floriculture,
	Ag Business, Sales, Management, Priciples of Ag Science - Plant Science, Principles of Ag Science - Animal Science
	Computer Science Principles, Web Design, Botany, Entrepeneurship, Civil Engineering and Architecture, Positive Psychology and
	Human Performance

Career Pathways/Clusters Crosswalk

Arts and Communications (Artistic "Creators")

Clusters: Arts, Audio/Visual Technology & Communications
Occupations include: Architecture, Interior Design, Creative Writing, Fashion Design, Film, Fine Arts, Graphic Design, Journalism, Languages, Radio, TV, Advertising, Public Relations
Recommended Electives: Publications, Digital Scholastic Journalism, Photojournalism, Print and Digital Media, Video Media, Sports and Entertainment Arts, Creative Writing I and II, Poetry, Drama, Web Design, Advertising, Industrial Tech, Choir, Band, Interior Design and Housing, Foreign Languages, Digital Photo I and II, Graphic Design I and II, Ceramics I and II, Art I, Art II, Art III, AP Art Studio, and Digital Media/3D Animation, NCAPS Digital Media and Design
Clubs & Activities: Drama, Art, Technical Student Association, Competitive Drama/Debate, FCCLA, Yearbook, BBN, FBLA.
Possible Volunteer Work: Community Theater, Church choir, Radio/TV station, write for local newspaper, sing National Anthem at events.

Business, Management, and Technology (Conventional "Organizers")

Clusters: Information Technology, Finance, and Marketing
Occupations include: Sales, Entrepreneurship, Marketing, Computers, Finance, Accounting, Personnel, Economics, and Management
Recommended Electives: Technical/Business Communication, Vocational and Career Reading, Publications, Advertising, Business Law, Business Management, Fundamentals of Marketing, Marketing Research, Personal Finance, Introduction to Business, Marketing Practicum, Marketing Internship(COE), Sports & Entertainment Arts, Retail Readiness, Web Design, Leadership, Entrepreneurship, Probability and Statistics, AP Statistics and Probability, Computer Science Principles, Engineering Design and Development, NCAPS Global Business and Entrepreneurship, NCAPS Technology Solutions, NCAPS Global Logistics and Transportation, KC Tech Academy
Clubs & Activities: FBLA, DECA, Robotics Club
Possible Volunteer Work: Sales projects for clubs, raise money for charitable causes, Office or Guidance Office Aide

Health Services (Investigative/Social "Thinkers/Helpers")

Clusters: Health Sciences
Occupations include: Related to the promotion of health and the research, prevention, and treatment of disease, and related health technologies
Recommended Electives: College Biology, Genetics, Microbiology, Chemistry, Psychology, Principles of Biomedical Sciences, Human Body Systems, Medical Interventions, Anatomy and Physiology, Biomedical Innovation, Weight Training, Men's Lifetime Fitness, Women's Lifetime Fitness, Health, Child Development, Child Development Lab, Culinary Arts I & II, Nutrition and Wellness, NCAPS Medicine and Healthcare, and Career Center classes in Health Services Assistant, Emergency Medical Technician—Basic, and Firefighter I and II/Fire Science;
Clubs & Activities: Science Club, Weight lifting, HOSA, Science Olympiad, KIND
Possible Volunteer Work: Hospital volunteer, Red Cross, Donate blood.

Human Services (Social "Helpers")

Clusters: Education & Training, Government & Public Administration, Hospitality & Tourism, Law/Public Safety/Corrections/Security
Occupations include: Related to Economic, Political and Social Systems, Education, Government, Law & Law Enforcement, Leisure & Recreation, Military, Religion, Child Care, Social Services and Personal Services
Recommended Electives: Drama, Psychology, Sociology, AP Government, American Government, Contemporary Issues, AP US History, American History, American Military Experience I and/or American Military Experience II, Child Development, Child Development Lab, Culinary Arts I & II, Creative Foods, Business Law, Business Management, Introduction to Business, Personal Relationships and Communication, Leadership, Weight Training, Art I, Music classes, A+ Tutoring/Mentoring, and Career Center Classes in Emergency Medical Technician—Basic and Firefighter I and II/Fire Science, Culinary Arts, CSI—Law Enforcement
Clubs & Activities: Sports, Student Council, Class officer, FCCLA, A+ Program,
Possible Volunteer Work: Work for political campaigns, Day Care, Teacher Aide, Scouts, A+ Tutor

Industrial & Engineering Technology (Realistic/Investigative/ Conventional "Doers/Thinkers/Organizers")

Clusters: Architecture/Construction, Manufacturing, Science/ Technology/Engineering/Math, Transportation, Distribution & Logistics
Occupations include: Related to Design, Development, Installation, and Maintenance of Physical Systems, Engineering, Manufacturing, Construction, Service and related Techs.
Recommended Electives: Geometry, Introduction to Engineering, Principles of Engineering, Computer Science Principles, Civil Engineering and Architecture, Engineering Design and Development, AP Physics, Advanced Woodturning, Drafting and Design, Industrial Woods, Electricity/Electronics, Energy and Power Technology, Engineering Graphics, Graphic Communications, Robotics, Woodturning, KC Tech Academy, NCAPS Technology Solutions, NCAPS Engineering and Advanced Manufacturing, NCAPS Global Business and Logistics, and Career Center programs in Electrical Trades, Automotive Technology, Building Trades, Diesel Mechanics, and Welding.
Clubs & Activities: Technical Student Association, Art Club, Publications, Robotics
Possible Volunteer Work: Maintenance and Repairing Small Appliances, automobiles, or computers.

Natural Resources Agriculture (Realistic "Doers")

Clusters: Agriculture, Food, Natural Resources
Occupations include: Related to Agriculture, Environment, Natural Resources, Agriculture Science, Environmental Science, Earth Science, Fisheries, Forestry, Horticulture and Wildlife
Recommended Electives: Introduction to Agriculture, Food, and Natural Resources, Principles of Agriculture Science--Animal, Principles of Agriculture Science—Plants, Conservation of Natural Resources, Agriculture Construction, Floriculture, Veterinary Science, Agribusiness Sales, Marketing, and Management, Ecology and MO Zoology, Biology, Botany, Microbiology, Genetics, Earth Science, Chemistry, Culinary Arts I & II
Clubs & Activities: Science Club, FFA
Possible Volunteer Work: Adopt a Highway or River, Florist, Parks, Botanical

KEARNEY HIGH SCHOOL INDIVIDUAL CAREER AND ACADEMIC PLAN

NAME _____ GRADE _____

TENTATIVE POST- HIGH SCHOOL PLAN (CIRCLE ONE)
4-YEAR COLLEGE * 2-YEAR COLLEGE * TECHNICAL SCHOOL * VOCATIONAL SCHOOL
BUSINESS SCHOOL * MILITARY * OTHER

FRESHMAN (9)	**SOPHOMORE (10)**
1. 2. 3. 4. 5. 6. 7.	1. 2. 3. 4. 5. 6. 7.
JUNIOR (11)	**SENIOR (12)**
1. 2. 3. 4. 5. 6. 7.	1. 2. 3. 4. 5. 6. 7.

Language Arts-4 Credits (4-CP)	**Mathematics-3 Credits (4-CP)**	**Science-3 Credits (3-CP)**	**Social Studies-3 Credits (3-CP)**
English I English II English III/ AP English Language and Composition English Elective/College Prep/AP English Literature and Composition	Algebra I (or higher) Geometry Algebra II/Math Apps (Algebra III, College Precalculus Algebra, College Precalculus Algebra Accelerated, College Math, AP Calculus, College Stats Probability*, Trigonometry*, and/or Advanced Geometry* for CP)	A Physical Science Biology Other: _____ 3 Agriculture Classes = 1 Science credit	American History American Gov't Other: _____
Foreign Language (2-CP) Spanish IGerman 1 Spanish II/German II	**Practical Arts** **1 credit**	**Personal Finance** **.5 credit**	**Physical Education** **1 credit**
Health **.5 credit**	**Fine Arts** **1 credit**	**Additional Core (Math, Science, SS, LA, or FL--CP** Only **1.0 credit)**	

For graduation all students must have a total of 24 credits or 25 for College Prep Certificate (CP)

A+ Program Eligibility

Kearney High School is privileged to have been designated as an A+ high school by the Department of Elementary and Secondary Education (DESE) in cooperation with the Missouri Department of Higher Education & Workforce Development (MDHEWD). We are pleased to offer the opportunity for our graduates to continue their education at a participating public community college or vocational/technical school, or certain private two-year vocational/technical schools while receiving financial scholarship funds from the State.

Benefits and Eligibility for A+ certified students:

- A student graduating with A+ certification may be eligible for two years of scholarship funds, at a pre-determined benefit per credit hour, to attend any accredited public Missouri community college or vocational/technical school as a full-time student. Tuition benefits *may* cover tuition and general fees.
- An A+ certified student may be eligible for scholarship incentives from many Missouri four-year colleges and universities as well. However, it is the student's responsibility to verify any potential A+ related incentive available at a Missouri four-year college or university.
- Student eligibility expires 48 months after the graduation date documented on the A+ certified student's high school transcript, or upon completion of 105% of the hours required for the program, or upon receipt of an associate's degree.

To be eligible for A+ certification, students must meet the following requirements:

- Be a citizen of the United States or permanent resident.
- Enter into a written A+ agreement with Kearney High School prior to graduation.
- Attend a designated A+ high school for two years prior to graduation.
- Graduate with an unweighted, cumulative GPA of 2.5 or higher on a 4.0 scale.
- Graduate with at least a 95% cumulative attendance record for grades 9-12.
- Perform at least 50 hours of unpaid tutoring or mentoring to other students, via approved tutoring opportunities, in Kearney School District.
- Score proficient or advanced on the state level Algebra I End of Course Exam *OR* achieve a combined ACT math sub score and high school GPA in accordance with the scale set forth by MDHEWD.
- Maintain a record of good citizenship and avoid the use of alcohol and unlawful drugs while in grades 9-12.
- Complete a FAFSA (Free Application for Federal Student Aid) prior to becoming eligible for A+ Financial Reimbursement.
- Register for the Selective Service (males) upon 18th birthday.

Recommendations for A+ student(s):

- Sign up early in high school so there is time to complete the tutoring portion of the A+ requirements and receive college and career information from the A+ coordinator. Signing up early also allows the coordinator to monitor GPA and attendance.
- Enroll in the A+ Program even if planning to attend a four-year college, or enter the workforce, rather than attend college. The A+ Program is an opportunity for students to access additional education after high school; it does not obligate them to use the A+ tuition reimbursement. The A+ benefits are available to A+ graduate(s) within 48 months of high school graduation.

NAIA Requirements

Current NAIA eligibility requirements for students enrolling in college the fall after graduation require high school graduation and then 2 of the following 3 requirements:

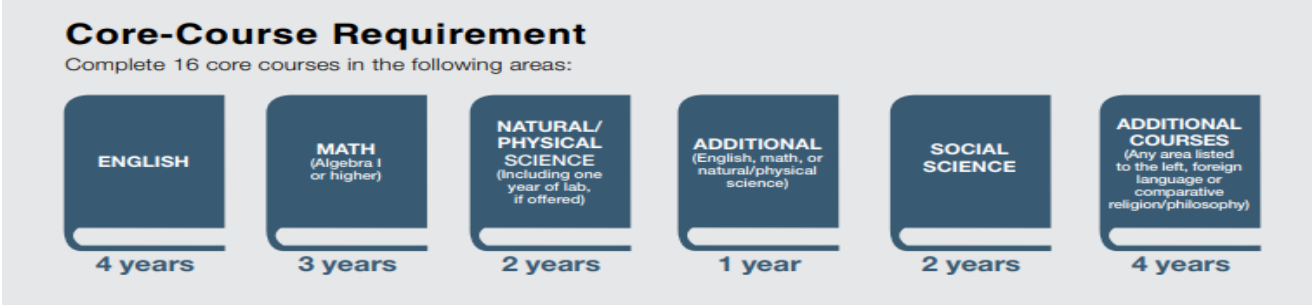
- Achieve a minimum of 18 on the ACT or 970 on the SAT
- Achieve a minimum overall high school grade point average of 2.0 on a 4.0 scale
- Graduate in the top half of their high school class.
- To get started, student-athletes must register with the NAIA Eligibility Center, creating a profile at PlayNAIA.org.

More detailed information is available at www.playnaia.org.

NCAA Requirements

NCAA Division I and Division II require 16 core courses at the end of the senior year with some exceptions within requirements. Students must also meet grade point and test score requirements. Core courses that cannot count for NCAA are noted within the course description in the Program of Studies. More in depth information on NCAA requirements can be found online at the NCAA eligibility center website at www.ncaa.org. According to NCAA, it is not necessary to register for the NCAA ELIGIBILITY CENTER until after your Junior Year academically. However, come **July 1** after your Junior Year, it should become your #1 Priority.

Division I



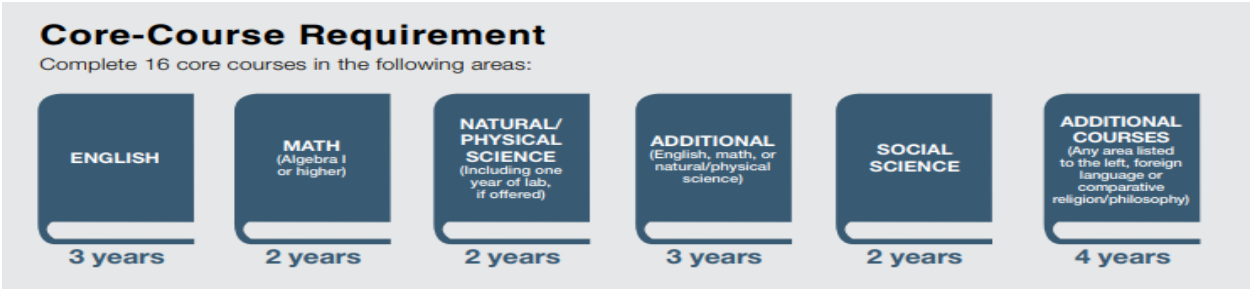
Division I-Full Qualifier

Complete 16 core courses. • Ten of the 16 core courses must be completed before the seventh semester (senior year) of high school. • Seven of the 10 core courses must be in English, math or natural/physical science. • Earn a core-course GPA of at least 2.300. • Earn the ACT/SAT score matching your core-course GPA on the Division I sliding scale. • Graduate high school.

Division I-Academic Redshirt

Complete 16 core courses listed above. • Earn a core-course GPA of at least 2.000. • Earn the ACT/SAT score matching your core-course GPA on the Division I sliding scale • Graduate high school.

Division II



Division II-Full Qualifier

• Complete 16 core courses. • Earn a core-course GPA of at least 2.200. • Earn the ACT/SAT score matching your core-course GPA on the Division II full qualifier sliding scale (see back page). • Graduate high school.

Division II-Partial Qualifier

• Complete 16 core courses. • Earn a core-course GPA of at least 2.000. • Earn the ACT/SAT score matching your core-course GPA on the Division II partial qualifier sliding scale (see back page). • Graduate high school.

- If students follow the traditional course pathway suggested by Kearney High School they will meet these requirements through the following schedule:

Freshman Year: English I, Algebra I/Geometry, Physical Science (3 core credits)
Sophomore Year: English II, Geometry/Algebra II, Biology (3 core credits)
Junior Year: English III/AP English Language and Comp, Algebra II/Algebra III/College Precalculus Algebra/College Stats or 2 of Probability & Stats/ Math Analysis/Trigonometry, 3rd Science, American History, or American Government (4 core credits)

Failing grades may impact a student's ability to meet core requirements for NCAA by the start of seventh semester requirement for core courses.

Honors Courses

Honors courses are available for students who elect a more academically rigorous curriculum.

English I Honors
English II Honors
Honors Biology
Honors Physical Science

Advanced Placement Courses

Advanced Placement (AP) courses provide students with high school credits to meet graduation requirements and work to prepare students for the Advanced Placement exam. Exams are proctored at Kearney High School on dates determined by the AP College Board and must be paid for by the student/parent/guardian.

AP American Government
AP Calculus
AP English Language and Composition
AP English Literature and Composition
AP German
AP Human Geography
AP Music Theory
AP Physics C:Mechanics
AP US History

Blended Course Offerings

Blended courses require students to attend classes on either A days (Monday/Wednesday) or B days (Tuesday/Thursday). Fridays are required if a student's grade is below a D. Course instruction is provided on either A or B days and students are expected to work independently on course work for non-attendance days. Students will need internet availability to access the course on non-attendance days. Blended courses for the 2023-2024 school year will include Personal Finance and will only be offered first and seventh hours.

Dual Credit Courses

Dual credit courses provide an opportunity for students to earn both high school and college credit for a course. The high school credit is free for Kearney High School students, but the college credit requires applications and fees be submitted to the college on the college's payment schedule. Instructors for these courses will go over the costs and procedures with students. Prerequisite: For UMKC - 3.0 GPA or above **or** minimum ACT Composite of 21. Additional Requirements for students with 2.76 – 2.9 GPA and who do not meet the ACT score requirement, as well as those who are taking a dual credit math class. For Missouri Western – 3.0 GPA or above or minimum ACT Composite of 18.

College credit is available through UMKC for the following courses:

College Precalculus Algebra -3 hours MATH 110 Precalculus Algebra
College Stats- 3 hours MATH 115
College Biology- 4 hours of BIOLOGY 102 Biology and Living for non-Biology Majors
College Fundamentals of Public Speaking-3 hours COMM-ST of Fundamentals of Effective Speaking and Listening
College Psychology-3 hours PSYCH 210 General Psychology
College Chemistry—5 hours CHEM 211 General Chemistry
College Math for Liberal Arts—3 hours MATH 116 Mathematics for Liberal Arts
College Spanish IV - 6 hours SPANISH 110 Spanish I and SPANISH 120 Spanish II
College Foundations of Business – 3 hours Foundations of Business

College credit is available through Missouri Western State University for the following courses:

College English 100 – 3 hours
College English 200 – 3 hours
Introduction to College Literature – 3 hours – English 210

College Credit available through Metropolitan Community College and/or Northwest Missouri State University for Northland Center for Advanced Professional Studies (NCAPS) participants

77-27=17 Profession-Based Essentials through NWMSU (all strands)
77-297 Profession-Based Work Experience through NWMSU (all strands)
20-110 Fundamentals of Electronic Media Production through NWMSU (Digital Media and Design Strand)
44-101 Foundations of Computing through NWMSU (Technology Solutions strand)
BSAD 150—Introduction to Business through MCC (Global Business and Entrepreneurship strand
HLSC 101—Introduction to Health Sciences through UMKC (Medicine and Healthcare strand)
MEC-ENGR 111 Essential Engineering through UMKC (Engineering/Advanced Manufacturing strand)

College Credit available through Northwest Missouri State University for PLTW Biomedical Innovations participants

77-27=17 Profession-Based Essentials through NWMSU—1 credit (all strands)
77-297 Profession-Based Work Experience through NWMSU--2 credits (all strands)

Market Value Assets

A Market Value Asset is defined as industry valued and recognized skills acquired in high school that create a more seamless transition from school to postsecondary education and/or the workplace. Students who leave high school with a diploma and market value assets are more likely to enroll in postsecondary education/training and successfully navigate the journey from school to employment.
Kearney School District requires all students in the class of 2025 and beyond to earn at least one MVA in order to graduate from Kearney High School. See the different MVA areas below for more information on earning a MVA at KHS.
1 WORK EXPERIENCE MVA: Students complete meaningful workplace job tasks that develop readiness for work, knowledge, and skills that support entry or advancement in a particular career field. (Internships or Client-Connected Projects)
2 COLLEGE CREDIT MVA: Kearney High School offers numerous ways students can earn College-level credit, progressing toward a degree or credential. (9 hours required = 3 high school dual credit, advanced placement classes OR early college academy credit hours)
3 INDUSTRY RECOGNIZED CREDENTIAL MVA: The State of Missouri recognizes specific regionally vetted IRC's that can be obtained by completing specific courses and passing specific assessments related to those courses. (i.e. CNA-certified nurses aid, obtained at area career center)
4 ENTREPRENEURIAL EXPERIENCE MVA: Students identify a compelling social or market problem and mobilize resources to solve it. Leveraging input and support from multiple stakeholders, students iteratively analyze, prototype, implement, reflect and adapt potential solutions. (A market and stakeholder research summary, a business plan, feedback from stakeholders etc.) All projects require approval by the District RWL Committee.
5 CAPSTONE EXPERIENCE MVA: (Missouri Seal of Biliteracy, Eagle Scout, Girls Scout Award, curriculum capstone experience approved by District RWL Committee)
Questions about MVAs, contact our career readiness coordinator, Stacy Holtzclaw holtzclaws@ksdr1.net

Career Center Education Programming

Students enrolled in the Excelsior Springs Career Center or Northland Career Center attend part of their day at Kearney High School to earn required credits toward graduation and then travel to Excelsior Springs or Platte City for their career center classes. Career center classes count for three credits toward graduation. The career center education classes at the Excelsior Springs Career Center and Northland Career Centers also include an embedded English ½ credit and Math ½ credit for junior and senior years. This can be the fourth required English and Math credit but may not replace required English and Math courses. Students must apply for acceptance into the career center programs. Application forms are available in the guidance office.

Excelsior Springs Area Career Center Courses
Animation and Media
Automotive Technology
Carpentry / Construction Technology
Computer Technology
Electrical Trades I and II
Emergency Medical Technician--Basic
Firefighter I and II/Fire Science
Health Services Assistant (students may complete requirements for their Certified Nursing Assistant certification through these courses.)

Northland Career Center Courses
Aviation Technology

CSI—Law Enforcement
Construction Technology
Culinary Arts
Diesel Technology
Health Sciences
Heating, Cooling, and Climate
IT Professionals
Industrial Welding
KC Tech Academy

Northland Center for Advanced Professional Studies (CAPS)

Northland CAPS student are immersed in professional environments engaging in curriculum developed by industry professionals and program instruction—ensuring that what is taught in the classroom is relevant to the workforce. Learning is enhanced by project work directly from industry partners who engage to mentor students and ensure timely, accurate and real project results. Students attend Kearney High School to earn required credits toward graduation and travel to their course locations to participate in their CAPS strand for the other part of their day. Students must provide their own transportation to classes and related learning opportunities. Northland CAPS counts for three credits toward graduation.

CAPS Global Business and Logistics
CAPS Medicine and Healthcare
CAPS Digital Media and Design
CAPS Technology Solutions--Design
CAPS Engineering and Advanced Manufacturing
CAPS Business Accelerator
CAPS Senior Associate

Kearney Internships

Broadcast Media Internship: Journalism Emphasis
Career Pathways for the Teaching Profession
Computer Technology Internship
Kearney Internship
Banking and Financial Services

Summer School

Students may recover credit during summer school. The amount of credit that can be earned is determined by the student's academic situation. Credit will be awarded on a Pass/Fail basis. Earned credit does not replace the failed grade in the student's cumulative grade point average or class rank determination. Course offerings will be determined by overall student need and enrollment offered at a later date.

Students may take classes for new credit during summer school. They can take up to two classes and receive one total credit each summer. (We need to make this sound better)

MOCAP

High school credit is also available through the Missouri Course Access Program. Information is available at http://mocap.mo.gov or the guidance office.

Independent Study Courses

High school courses taken from approved off-campus sites may transfer for credits toward graduation. Students should check with the administration or guidance office to be sure credits will transfer and determine how credits will impact the student's Individual Career and Academic Plan (ICAP). Though earned credits may transfer in and the grade will be included on the student's transcript, grades may not be included in the student's cumulative grade point average or class rank determination. Students may not transfer in for credit Algebra I, American Government, Biology, English I, or English II as these courses require an End of Course Exam. English III may not be transferred in for credit because of the research element of the curriculum.

Students may also take classes at colleges to earn high school credit. A three-hour college class will earn .5 credit toward graduation. Earned credits not earned through the school schedule may transfer in but the grade will not be included on the student transcript, grade point average, and class rank.

Schedule Changes

If a student has an unscheduled class hour or duplicate course, he or she may see the school counselors as soon as possible to adjust the class schedule. If the need arises, a student may drop/add one class during the first three days of each semester. There are four exceptions to this drop/add period:

1. A student may not add another section of the same class.
2. A student may not add a class that has already reached a maximum number for enrollment.
3. A student may not change a teacher unless an administrator makes the recommendation to do so.
4. An administrator signs his/her approval for course change outside this 3-day window.

Latin Honor System

Cum Laude	Magna Cum Laude	Summa Cum Laude
"With Honor"	"With Great Honor"	"With Highest Honor"
GPA - 3.50 - 3.74	GPA - 3.75 - 3.99	GPA - 4.0 and Above
Applies to all Tiers of Diploma	Applies to all Tiers of Diploma	Applies to all Tiers of Diploma

Grade Percentage

Grade	Percentage	Grade	Percentage
A	95 and Above	C	74 - 76
A-	90 - 94	C-	70 - 73
B+	87 - 89	D+	67 - 69
B	84 - 86	D	64 - 66
B-	80 - 83	D -	60 - 63
C+	77 - 79	F	59 and Below

Academic Grade Point Averages for 2017 and Beyond

Grades from all courses taken at Kearney High School, Excelsior Springs Area Career Center, Northland Career Center or through NCAPS or some off-campus sites will be included in the academic grade point average as follows:

Grade	Grade Points	Grade	Grade Points
A	4.00	C	2.00
A-	3.67	C-	1.67
B+	3.34	D+	1.34
B	3.00	D	1.00
B-	2.67	D-	0.67
C+	2.34	F	0.00

This grade point average will be reported as the student grade point average for colleges, scholarships, and any other request for student grade point average.

Non-traditional transfer courses may transfer as credit only and not impact grade point or class rank and must come from institutions that have had prior administrative approval for credit transfer.

Distinction Points for Graduating Class of 2017 and Beyond

Students in the graduation classes of 2017 and beyond will have distinction points for any Advanced Placement or Dual Credit/College course. These courses are noted with *AP* or *College* in the course title. AP and Dual Credit/College courses will be awarded .5 distinction point for a passing course grade as averaged into student grade point average for class rank. Distinction point grade points will be as follows:

Grade	Grade Points	Grade	Grade Points
A	4.50	C	2.50
A-	4.17	C-	2.17
B+	3.84	D+	1.84
B	3.50	D	1.50
B-	3.17	D-	1.17
C+	2.84	F	0.00

Distinction Grade Point Average

Students in the graduating classes of 2016 and beyond will be ranked according to distinction grade point averages. This average includes all courses the student has taken, with the exception of transfer credits that are not approved for GPA inclusion, and includes in the average the .5 distinction point awarded for AP and Dual Credit/College courses. Students may transfer in a maximum of 6 college credit hours or 1 full credit of off-campus AP coursework for a total of one distinction point toward grade point average/class rank. They may take more off-campus college courses, but anything beyond 6 off-campus credit hours will not be awarded a distinction point.

Student Classification

Students will be classified in certain grade levels by the number of credits he or she has earned at the end of each school year.

9th grade	0 – 3.5 credits	11th grade	10.0-16.5 credits
10th grade	4.0-9.5 credit	12th grade	17.0-24 credits

Not all Courses Listed in the Program of Study will be offered every year.

***Denotes class is one Semester. (*) Denotes class can be one or two Semesters**

^ Denotes a Dual Credit Course that can be used to gain credit towards an MVA in College Credit.
An MVA is given for every 9 hours of College Credit ^

LANGUAGE ARTS

AP English Language and Composition ^
AP Literature and Composition ^
College Fundamentals of Public Speaking*^
College English 100* ^
College English 200* ^
Creative Writing*
Creative Writing II*
Crime in Literature*
Debate/Argumentation
English I
English I Honors
English II
English II Application
English II Honors
English III
English III Application
English IV
Introduction to College Literature ^
Novels*
Poetry*
Short Stories*
Speech I*
Technical/Business Communications*
Vocational and Career Reading*

FOREIGN LANGUAGE

French III
French IV
German I
German II
German III
German IV
AP German ^
Spanish I
Spanish II
Spanish III
College Spanish IV ^
College Spanish V ^

MATHEMATICS

AP Calculus ^
Algebra I
Algebra II
Algebra III
College Precalculus Algebra ^
College Precalculus Algebra Accelerated* ^
College Stats and Reasoning ^
College Mathematics for Liberal Arts ^
Advanced Geometry*
Applied Geometry
Geometry
Math Applications
Probability and Statistics*
Trigonometry*
Computer Science Principles (can be 3rd math credit) - MVA

SCIENCE

Anatomy and Physiology
Applied Biology
~~AP Biology~~
AP Physics C:Mechanics ^
Astronomy*
Biology
Biomedical Innovations/Biomedical Internship (PLTW) - MVA
Botany* - MVA
Chemistry
College Biology ^
College Chemistry ^
Earth Science
Ecology and MO Zoology
Genetics*
Honors Biology
Honors Physical Science
Human Body Systems (PLTW)
Medical Interventions (PLTW)
Microbiology*
Physical Science
Physics
Principles of Biomedical Science (PLTW)
3 Agriculture Classes = 1 Science credit

SOCIAL STUDIES

American Government
American History
American Military Experiences I*
American Military Experiences II*
AP American Government ^
AP Human Geography ^
AP US History ^
College Psychology* ^
Contemporary and Leaders Issues*
Human Geography - MVA
Psychology*

Psychology of Human Performance - MVA
Sociology* - MVA
World Studies
World Studies Flipped Classroom

PRACTICAL ARTS

AGRICULTURE

Agribusiness Sales, Marketing and Management* - MVA
Agriculture Construction*
Conservation of Natural Resources*
Floriculture* - MVA
Introduction to Agriculture, Food, and Natural Resources
Principles of Agriculture Science—Animals - MVA
Principles of Agriculture Sci—Plants - MVA
Supervised Agriculture Experience(*) - MVA
Veterinary Science*

INDUSTRIAL TECHNOLOGY

Advanced Woodturning*
Electricity/ Electronics*
Energy and Power Technology*
Graphic Communications Technology*
Industrial Woods Technology*
Robotics*
Tech Experimentation & Practicum
Wood Art*
Wood Turning*

THEATER

Stagecraft I

FAMILY AND CONSUMER SCIENCE

Child Development*
Child Development Lab* - MVA
Foods I*
Foods II*
Advanced Foods*
Interior Design and Housing* - MVA
Nutrition and Wellness*
Personal Relationships and Communication*

BUSINESS/MARKETING/TECHNOLOGY

Business

Banking and Financial Services - MVA
Business Law*
Business Management*
College Foundations of Business* ^
Economics*
Introduction to Business*
Personal Finance*
Personal Finance On-Line*

Marketing

Advanced Marketing
Advertising*
Entrepreneurship* - MVA
Fundamentals of Marketing (Marketing I)
Marketing Internship - MVA
Marketing Research*
Retail Readiness*
Marketing Practicum / School Store*
Travel and Tourism*

Technology

Web Design* - MVA
Sports and Entertainment Arts (may also be taken as a fine art) - MVA

PROJECT LEAD THE WAY

Biomedical Innovations/Biomedical Internship (science credit or practical art credit) - MVA
Civil Engineering and Architecture - MVA
Computer Science Principles (math or practical art) - MVA
Engineering Design and Development
Introduction to Engineering Design
Human Body Systems (science credit or practical art credit)
Medical Interventions (science credit or practical art credit)
Principles of Engineering
Principles of Biomedical Sciences (science credit or practical art credit)

PUBLICATIONS AND BROADCASTING

Advanced Journalism/Publications - MVA
Broadcasting Journalism - MVA
Digital Scholastic Journalism
Introduction to Media
Sports Broadcasting - MVA
Photojournalism
Print and Digital Media
Publications (Yearbook) - MVA
Video Media

OFF CAMPUS PRACTICAL ART

Northland Center for Advanced Professional Studies (Northland CAPS)

Digital Media and Design - MVA

Engineering/Ad Manufacturing - MVA
Global Business and Logistics - MVA
Health/Medicine - MVA
Technology Solutions - MVA

Kearney Internships
Banking and Financial Services - MVA
Career Pathways for the Teaching Profession - MVA
Computer Technology Internship - MVA
Digital Media Internship: Journalism Emphasis - MVA
Kearney Internship (*) - MVA

FINE ARTS

MUSIC
Frequency
AP Music Theory On Line
Advanced Instrumental Methods
Bel Canto
Choir
Chamber Choir
Jazz Band
Marching Band/ Concert Band
Tenor / Bass Choir
9th Grade Band

ART
Advanced Digital Arts - MVA
~~AP Art Studio~~
Art I*
Art II*
Art III*
Ceramics I*
Ceramics II*
Digital Photography I*
Digital Photography II*
Graphic Design I* - MVA
Graphic Design II* - MVA
Sports and Entertainment Arts (may also be taken as a practical art) - MVA

PERFORMING ARTS
Competitive Drama
Drama

PHYSICAL EDUCATION

Advanced Weight Training
Basic Weight Training
Girl's and Boy's Physical Education
Health*
Health On-Line*
Men's Lifetime Fitness
Team Sports
Weight Training
Women's Lifetime Fitness

ELECTIVES

A+ Tutoring/Mentoring*
Leadership
Library Science
Office Practicum
Reading and Study Strategies
Senior 5th Hour Study Hall
Study Hall

CAREER EDUCATION

EXCELSIOR SPRINGS AREA CAREER CENTER
Automotive Technology - MVA
Building Trades I and II - MVA
Career Technical English - MVA
Computer Support I - MVA
Digital Media/3D Animation - MVA
Electrical Trades I and II - MVA
Emergency Med Technician—Basic - MVA
Firefighter I and II/Fire Science - MVA
Health Services Assistant - MVA
Heating, Ventilation, and Air Conditioning I and II - MVA
Welding Technologies - MVA

NORTHLAND CAREER CENTER
CSI—Law Enforcement - MVA
Culinary Arts - MVA
Diesel Technology - MVA

Course Descriptions

LANGUAGE ARTS

Four credits of Language Arts required, and they must include English I, English II, and English III.

The language arts include writing, grammar, speaking, listening, and literature. Their importance to education--and, by extension, to society--is that they influence and reflect every other discipline. Given such import, a sound language arts curriculum must be built on definitive research, developed by innovative yet realistic persons, and implemented by dedicated teachers. Though each classroom is unique, some common philosophies should permeate such curriculum.

9th grade	10th grade	11th grade	12th grade
English I	English II	English III	English IV or higher
English I Honors	English II Honors	AP Language and Composition	AP Literature and Composition
	English II Applications	English III Applications	College English 100
	Creative Writing I	Creative Writing I	College English 200
	Creative Writing II	Creative Writing II	College Public Speaking
	Novels	Crime in Literature	Introduction to College Literature
	Short Stories	Novels	Creative Writing I
		Short Stories	Creative Writing II
		Technical/Business Communications	Crime in Literature
		Vocational and Career Reading	Novels
			Short Stories
			Technical/Business Communications
			Vocational and Career Reading

AP ENGLISH LANGUAGE AND COMPOSITION– 2 semesters; 1 credit--11
The AP English Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods. Students may take this course and exam for college AP credit.
Prerequisite: A passing grade in an English II Course

AP ENGLISH LITERATURE and COMPOSITION- 2 semesters, 1 credit--12
This intensely paced college-level course will examine the literary traditions, ideals and culture from the sixth century through the twenty-first century. It is designed for students who have mastered the basics of the English curriculum and wish to be challenged by higher-level reading and analysis. The skills emphasized will include reading, literary analysis, writing research, technology, and vocabulary development. Students may take this course and exam for college AP credit. Students will be required to begin Reading Books before the start of the school year. Prerequisite: A passing grade in an English III Course

COLLEGE FUNDAMENTALS OF PUBLIC SPEAKING – 1 semester; ½ credit—11, 12
This course is an introduction to the dimension of effective platform speaking with special emphasis on developing critical listening skills, lecture, performance, and discussion. This course may also be taken for 3 hours of college credit through UMKC. College credit 3.0 GPA or above **or** minimum ACT Composite of 21. Additional Requirements for students with 2.76 – 2.9 GPA and who do not meet the ACT score requirement. Tuition to UMKC required for college credit.

CREATIVE WRITING – 1 semester; ½ credit--10, 11, 12
This course takes a student-centered approach to creative writing, offering a range of strategies to help students develop as writers while encouraging them to value their own resources of memory, observation, and voice. The emphasis is highly practical, with exercises and activities designed to ignite and sustain the writing impulse. Lessons focus on nurturing the creative process followed by demonstration and practice of various forms of writing including fiction, poetry, and life writing (biographical and autobiographical works). Students will be expected to write, revise, and present their work.

CREATIVE WRITING II – 1 semester; ½ credit—10, 11, 12
In Creative Writing 2, students use their ideas and individual talents to increase fluency and develop as writers. By experimenting with various prose and poetry formats, each student will produce a significant body of writing, including a major fictional work that requires a background research component. Students are expected to confer about writing and to revise and edit personal and peer work. Students will read examples by professional writers and take risks with a range of exercise, assignments, and genres. Students taking the class need to be prepared to read their writing in a variety of venues.
Prerequisite: Creative Writing I

CRIME IN LITERATURE- 1 semester, ½ credit, 11, 12
This course investigates the literature that tempts our fascination with mysteries and the detectives who solve them. Students will read a wide sample of American and British literature beginning with Edgar Allan Poe, often credited with being the earliest writer of detective fiction. The reading list includes works that deal with different kinds of crime: detective stories, true crime writing, film noir, and contemporary crime fiction. Student will research and write about unsolved crimes and the character traits of those who committed them. Students will complete the course with a better understanding of how these stories, novels, essays, and

films have helped shape society and also how society has helped shape the genre.

ENGLISH I—2 semesters; 1 credit—9
This course focuses on applying the concepts and principles of grammar, speaking, research, listening, writing, and reading skills. Students will interpret short stories, non-fiction essays, poetry, drama, and novels. Students will show an increased proficiency in their literary analytical skills by reading and exploring a variety of literary works. Students will enhance their grammatical and conventional writing skills through various types of writing. Students will be introduced to skills needed for ACT English. Students may be required to read a minimum of four books outside of the classroom.

ENGLISH I HONORS—2 semesters; 1 credit—9
This course focuses on applying the concepts and principles of grammar, speaking, research, listening, writing, and reading skills. Students will interpret short stories, non-fiction essays, poetry, drama, and novels. Students will show an increased proficiency in their literary analytical skills by reading and exploring a variety of literary works. Students will enhance their grammatical and conventional writing skills through various types of writing. Students will be introduced to skills needed for ACT English. Students may be required to read a minimum of six books outside of the classroom. Rigorous pacing and complexity of issues will challenge students capable of higher-level thinking.

ENGLISH II - 2 semesters; 1 credit--10
This course focuses on applying the concepts and principles of writing, research, and literature. Students will interpret short stories, novels, drama, poetry, and non-fiction essays. Students will show an increased proficiency in writing and analytical skills through informative, descriptive, narrative, persuasive, and evaluative activities. Students will enhance grammar, spelling, and vocabulary skills through a variety of classroom and independent activities. This class also introduces and reinforces skills needed for the End of Course Exam and ACT English, reading and writing. This course cannot be transferred in without administrative approval because of End of Course Exam requirements. Prerequisite: an English I course

ENGLISH II APPLICATIONS - 2 semesters; 1 credit--10
This course is designed to enable students to apply concepts and principles of grammar, speaking, listening, writing, and reading skills. Students will interpret short stories, non-fiction essays, poetry, drama, and novels. Students will show an increased proficiency in writing and analytical skills through informative, descriptive, narrative, persuasive, and evaluative activities. Students will reinforce speaking and listening skills through one-on-one, group, and class discussions and activities. Students will enhance grammar, spelling and vocabulary skills through a variety of classroom and independent activities. Students will also focus on team building and workplace communication skills, both written and verbal. Lessons will emphasize practical application of language arts skills as they apply to real-life situations. This course will also help prepare students for the English II end-of-course exam. This course cannot be transferred in without administrative approval because of End of Course Exam requirements. This course does NOT meet core requirements for NCAA or count as an English requirement for NCAA.

ENGLISH II HONORS--2 semesters; 1 credit--10
This accelerated course is designed for college-bound students and focuses on writing, research, and literature. English II Honors is designed to apply concepts and principles of writing, research, reading, grammar, speaking and listening. Students will interpret short stories, novels, drama, poetry, and non-fiction essays. Students will show an increased proficiency in writing and analytical skills through informative, descriptive, narrative, persuasive, and evaluative activities. Students will reinforce speaking and listening skills through one-on-one, group, and class discussions, presentations, and activities. Students will enhance grammar, spelling, and vocabulary skills through a variety of classroom and independent activities. This class also introduces and reinforces skills needed for the End of Course Exam and ACT English, reading and writing. Students will be required to read 4-6 books outside the classroom. In addition, students will be required to conduct additional research outside of the classroom, for various projects throughout the year. This course cannot be transferred in without administrative approval because of End of Course Exam requirements. Prerequisite: an English I course.

ENGLISH III --2 semesters; 1 credit--11
This course focuses on literature and writing. Students will study American literature and authors from 1600 to the present, focusing on theme, style, and other literary elements. Students will read and respond to short stories, novels, plays, poetry, and nonfiction works including *The Crucible* and *The Great Gatsby*. Students will interpret various works and express how these pieces relate to them personally through journaling and discussion. Students will compose expository, descriptive, persuasive, and narrative pieces, including an extensive research paper. Grammar and vocabulary skills will also be stressed. This class also introduces and reinforces skills needed for ACT English, reading, ~~and~~ writing, and career readiness. Students may be required to read a minimum of two books outside the classroom. This course cannot be transferred in without administrative approval because of research requirements in the curriculum. Prerequisite: an English II course

ENGLISH III APPLICATIONS – 2 semesters; 1 credit—11
This course focuses on literature and writing. Students will study American literature and authors focusing on theme, style, and other literary elements. Students will read and respond to short stories, novels, plays, poetry, and nonfiction works. Students will interpret various works and express how these pieces relate to them personally through journaling and discussion. Students will compose expository, descriptive, persuasive, and narrative pieces, including an extensive research project. Grammar and vocabulary skills will also be stressed. Students will be expected to demonstrate fluency and accuracy in written and spoken communications. Lessons will emphasize practical application of language arts skills as they apply to real-life situations. This course will also help prepare students for the ACT. This course cannot be

transferred in without administrative approval because of research requirements in the curriculum This course does NOT meet core requirements for NCAA or count as an English requirement for NCAA.

ENGLISH IV—2 semesters; 1 credit—12
This course is a year-long reading and writing class designed to be a continuation of a student's English studies. Students will read and analyze works of literature from a variety of authors and genres, with an emphasis on British Literature. Students will understand several key ideas: (1) effective readers use non-fiction and fiction from print texts; (2) effective writers use a variety of strategies; (3) effective communication with a variety of audiences for different purposes requires adapting oral and written expression and listening and viewing reflectively and critically, and (4) effective research and use of technology will increase one's personal knowledge base. The curriculum will also include grammar instruction, spelling and writing for a variety of purposes. Students will create descriptive, evaluative, and informative essays, as well as complete a research project. Prerequisite: an English III course

INSTRUCTIONAL ENGLISH II – 2 semesters; 1 credit—10
Students will read and analyze fiction and non-fiction. They will write for a variety of purposes and audiences, including writing to answer questions posed by self or others. They will continue to develop listening and speaking skills as well as vocabulary. Students must meet eligibility criteria. The course is taught by special education staff. The course is designed to provide specialized instruction on appropriate IEP goals as outlined in each student's IEP. This course does NOT meet core requirements for NCAA or count as an English requirement for NCAA.

INSTRUCTIONAL ENGLISH III – 2 semesters; 1 credit—11
Students will continue the studies begun in Instructional English II but at a more advanced level. They will read and analyze fiction and non-fiction. They will write for a variety of purposes and audiences, including writing to answer questions posed by self or others. They will continue to develop listening and speaking skills as well as vocabulary. Students must meet eligibility criteria. The course is taught by special education staff. The course is designed to provide specialized instruction on appropriate IEP goals as outlined in each student's IEP. This course does NOT meet core requirements for NCAA or count as an English requirement for NCAA.

COLLEGE ENGLISH 100 (College Composition I) (Fall Semester) Grade: 12 Credit .5
This fast-paced college level course aligns to freshman writing curriculum; it introduces students to a college level-course aligned to a freshman writing curriculum; it introduces students to a college-level reading, writing, and discourse analysis: it engages students in the analysis and creation of texts that reveal multiple perspectives about specific rhetorical situations and cultural issues. In addition to learning how to revise by analyzing their own writing, students will learn to edit their own work and use proper academic documentation. **This course may also be taken for three hours of college credit from Missouri Western This course is part of the core 42 MOTRansfer Program. Students must meet requirements listed on page. Prerequisite: A passing grade in an English III course.**

COLLEGE ENGLISH 200 (College Composition II) (Spring Semester) Grade: 12 Credit .5
This fast-paced college level course aligns to freshman writing curriculum; it introduces students to college level- course aligned to a freshman writing curriculum; it introduces students to a college-level reading, writing, and discourse analysis: it engages students in the analysis and creation of texts reveal multiple perspectives about specific rhetorical situations and cultural issues. In addition to learning how to revise by analyzing their own writing, students will learn to edit their own work and use proper academic documentation. **This course may also be taken for three hours of college credit from Missouri Western This course is part of the core 42 MOTRansfer Program. Students must meet requirements listed on page. Prerequisite A passing grade in an English III course and College English 100.**

INTRODUCTION TO COLLEGE LITERATURE Grade: 12 Credit: .5
This rigorous college level course aligns to freshman literature curriculum. It is designed to help students develop a fuller understanding of the human condition by exploring a range of accessible, bestselling fiction and non-fiction from a variety of periods and places, historic and contemporary. The course may include popular stories, songs and ballads, the scripts of blockbuster plays and films, best-selling novels and widely distributed nonfictional prose. **This course may also be taken for three hours of college credit from Missouri Western This course is part of the core 42 MOTRansfer Program. Students must meet requirements listed on page. Prerequisite: A passing grade in an English III course.**

NOVELS -- 1 semester; ½ credit --10, 11, 12
This course focuses on strengthening students' reading and critical thinking skills. A maximum of six full-length novels will be read and analyzed during the semester. Course content targets identifying and discussing literary theme. In addition to reading and discussing representative novels, the class will address artistic, historical, social, intellectual, theoretical and critical questions relevant to the understanding of the development of the novel and write papers of various lengths analyzing aspects of the novels they read.

SHORT STORIES - 1 semester; ½ credit--10, 11, 12
This course focuses on studying the short story form as one type of literature. Students will read for comprehension, critical analysis and thematic understanding. Students will write papers of various lengths analyzing aspects of the stories they read and write at least two short stories to demonstrate their knowledge of the techniques. Exams will also be used to evaluate student learning.

SPEECH I – 1 semester; ½ credit—10, 11, 12
This course familiarizes students with all levels of communication: intrapersonal, interpersonal, group, public, and mass. The focus will be physical presence, voice, and

content. Students present a variety of speeches to increase understanding of audience, purpose, and style.

TECHNICAL/BUSINESS COMMUNICATIONS – 1 semester; ½ credit--11, 12
This course centers on exploring the principles, techniques, and skills needed to conduct scientific, technical, and business writing. Instruction covers the writing of reports, letters, and other media applicable to a wide range of disciplines and careers. In addition, this class will provide a broad analytical approach to written communication in the work environment. Students will analyze the psychology, semantics, planning, and principles of effective business writing. Students will also apply this knowledge to create various business messages that inform, persuade, and report issues pertinent to business and consumers, while emphasizing clarity, conciseness, and accuracy of expression. Prerequisite: an English II course
This course does NOT meet core requirements for NCAA or count as an English requirement for NCAA.

VOCATIONAL AND CAREER READING – 1 semester; ½ credit—11, 12
This course focuses on strengthening students' reading fluency and comprehension skills by using real world publications. Students will practice guided note-taking, comparing and contrasting, and identifying examples from their own experience when reading technical manuals, business communications and forms. Students will determine an author's point of view while working to determine the meanings of words and phrases as they are used in the text including figurative, connotative, and technical meanings and tone. Students with different learning styles who have a wide variety of preparation, readiness, talents, skills and interests will have opportunities to use technology and extra resources to produce the required projects and to take the required tests. Students will produce summaries, evaluations, simulations, and examples of technical reading. This course does NOT meet core requirements for NCAA or count as an English requirement for NCAA.

FOREIGN LANGUAGES

Foreign language required for College Prep Certificate and recommended/required by many colleges for admissions.

Studying a foreign language for two or more years meets the entrance requirements of most colleges and universities. However, there are many more benefits of taking a foreign language, including the basic understanding of people and their culture, better communication with minorities in the United States, increased understanding of the English language, and a greater pleasure and comprehension when traveling to those areas where the language is spoken.
A strong background in English concepts and writing is extremely helpful in foreign language studies. Regular study habits are required at all levels. Frequent homework and daily vocabulary study are necessary. Although a student may begin a foreign language in high school at any grade level, THE DEPARTMENT RECOMMENDS THAT STUDENTS BEGIN THEIR STUDIES DURING THE 9TH GRADE (or earlier for courses offered in lower grades) in order to benefit from further language instruction.

FRENCH III - 2 semesters; 1 credit
This course will be an extension of French grammar skills incorporating both written and oral elements. Lab will be incorporated. Students will work through curriculum of Rosetta Stone.
Prerequisite: French II

FRENCH IV – 2 semesters; 1 credit
This course is a further development of advanced French language skills. The course focuses on using the target language in all situations and provides the foundation for AP French Language and Culture. Through a further exploration of grammar, history, current events, and language, students will work towards language proficiency and fluency. Students will work through curriculum of Rosetta Stone
Prerequisite: French III

GERMAN I - 2 semesters; 1 credit
This course provides a basic introduction to the German language including grammar, sentence structure, vocabulary building and cultural aspects. Oral work and class participation are emphasized.

GERMAN II - 2 semesters; 1 credit
This course is a continuous introduction to the German language including grammar, sentence structure, vocabulary building and cultural aspects. The emphasis in this class lies on a better understanding of grammatical concepts.
Prerequisite: Student must have passed German I.

GERMAN III - 2 semesters; 1 credit
This course is a continuous introduction to the German language including grammar, sentence structure, vocabulary building and cultural aspects. Oral work and class participation are emphasized.
Prerequisite: Student must have passed German II.

GERMAN IV - 2 semesters; 1 credit
Prerequisite: German III
This course is a further development of advanced German language skills. The course focuses on using the target language in all situations and provides the foundation for AP Germans Language and Culture. Through a further exploration of grammar, history, current events and language, students will work towards language proficiency and fluency.

AP GERMAN - 2 semesters; 1 credit
This course is an in-depth exploration of the German language. Students will be speaking and producing products using only the target language. The course also prepares students for the AP German exam. It focuses on all aspects of the language including authentic communication and being able to synthesize information from a variety of sources. Students may take this course and exam for college AP credit.

SPANISH I - 2 semesters; 1 credit
This course is a basic introduction to the Spanish language including grammar, syntax, vocabulary building, composition

and some insight into the Spanish culture. Students will be required to speak Spanish in class second semester.

SPANISH II - 2 semesters; 1 credit
This course is a continuation of grammar, composition and speaking from Spanish 1. Students will begin to speak and write in the past tense and write short paragraphs. Students will be required to speak Spanish in class.
Prerequisite: Spanish I

SPANISH III - 2 semesters; 1 credit
Advanced grammar and syntax will be studied. Students will be introduced to different tenses in the Spanish language. Students will also begin to study short excerpts from literature. Students will write short paragraphs and essays in Spanish.
Prerequisite: Spanish II

COLLEGE SPANISH IV – 2 semesters; 1 credit; 11, 12
This class is designed to progressively develop students' ability to communicate in culturally appropriate ways in Spanish. The learner will develop their language skills through a communicative, four-skill approach (listening, reading, writing, speaking) that requires consistent preparation and active participation in Spanish. The primary language of instruction for this course will be Spanish. Immersion classrooms foster good listening skills and encourage language production. Students who are enrolled will be eligible to complete the necessary tasks to receive the Missouri Seal of Biliteracy which would count as an MVA. This course may also be taken for 6 hours of college credit through UMKC. College credit enrollment requires a minimum 3.0 GPA or above **or** minimum ACT Composite of 21. Additional Requirements for students with 2.76 – 2.9 GPA and who do not meet the ACT score requirement. Tuition to UMKC required for college credit.
Prerequisite: Spanish III

COLLEGE SPANISH V – 2 semesters; 1 credit; 12
This class is designed to progressively develop students' ability to communicate in culturally appropriate ways in Spanish. The learner will develop their language skills through a communicative, four-skill approach (listening, reading, writing, speaking) that requires consistent preparation and active participation in Spanish. The primary language of instruction for this course will be Spanish. Immersion classrooms foster good listening skills and encourage language production. This course will explore authentic resources such as novels, poetry, television series, movies, and other activities in the target language. . Students who are enrolled will be eligible to complete the necessary tasks to receive the Missouri Seal of Biliteracy which would count as an MVA. This course may also be taken for 6 hours of college credit through UMKC. College credit enrollment requires a minimum 3.0 GPA or above **or** minimum ACT Composite of 21. Additional Requirements for students with 2.76 – 2.9 GPA and who do not meet the ACT score requirement. Tuition to UMKC required for college credit.
Prerequisite: Spanish IV

MATHEMATICS

The requirement for graduation is three credits (six semesters of passing grades) in a math course during grades 9, 10, 11, and 12. These credits must include one credit for Algebra I and one credit for Geometry. Colleges often recommend technical, math, and related majors prepare with classes beyond Algebra II. A variety of dual credit offerings are available for our college bound students. Students desiring to attend a particular college should study the specific requirements for that school to ensure that they take the proper high school courses to meet the prerequisites for admission.
* denotes semester class (semester classes may be combined)

<table>
<tr><th>9th Grade</th><th>10th Grade</th><th>11th Grade</th><th>12th Grade</th></tr>
<tr><td rowspan="5">8th Grade Algebra I

9th Grade Geometry</td><td rowspan="4">Algebra II</td><td>Trigonometry* & College Precalculus Algebra Accelerated*</td><td rowspan="2">AP Calculus</td></tr>
<tr><td>Trigonometry* & College Precalculus Algebra</td></tr>
<tr><td colspan="2">College Statistics
Trigonometry*
College Precalculus Algebra Accelerated*
College Precalculus Algebra
College Math for Liberal Arts
Algebra III
Advanced Geometry*
Probability & Statistics*
Computer Science Principles</td></tr>
<tr><td rowspan="3">Algebra I</td><td rowspan="2">Geometry</td><td rowspan="2">Algebra II
Computer Science Principles</td><td>AP Statistics
Trigonometry*
College Precalculus Algebra Accelerated*
College Precalculus Algebra
College Math for Liberal Arts
Algebra III
Advanced Geometry *
Probability & Statistics*
Computer Science Principles</td></tr>
<tr><td colspan="2">Math Applications
Computer Science Principles</td></tr>
<tr><td>Applied Geometry</td><td colspan="2">Math Applications</td></tr>
</table>

ALGEBRA II - 2 semesters; 1 credit--10, 11, 12
This course is recommended for those who plan to go to college or technical schools. Basic course content consists of algebraic concepts and skills in the real and complex number field. Selected topics are: logarithms, exponents, quadratics, trigonometry and matrices. Prerequisite: 1 full credit of Algebra I and Geometry or concurrent enrollment in Geometry with departmental permission.

ALGEBRA III – 2 semesters; 1 credit—11, 12
This course is designed to refine and advance the skills introduced in Algebra II. Topics of study will include but are not limited to: functions and graphs, systems of equations, factoring, exponents and radicals, logarithmic functions, and inequalities. This course provides further development of skills needed for College Precalculus Algebra but does not include adequate Trigonometry to be a preparatory course for Calculus. Prerequisites: Algebra I, Algebra II, Geometry

AP CALCULUS - 2 semesters; 1 credit—12
AP Calculus AB is the equivalent of a first semester course in college calculus. It is designed to prepare serious and motivated college-bound students planning on majoring in math, science or engineering to take the AB test in May. Topics covered will be limits, derivatives, integration, the application of derivatives and integrals, logarithmic, exponential, and other transcendental functions, as well as sequences and infinite series.
Students are strongly encouraged to purchase a graphing calculator that may be used on the AP Test and will be used daily in class. All students are encouraged to take the AP Exam. Suggested calculators are the TI-84 Plus SE.
Prerequisite: Trigonometry and Math Analysis OR Trigonometry and College Precalculus Algebra

COLLEGE STATS and REASONING- 2 semesters; 1 credit--11, 12
This course is designed to be an introduction to the statistical concepts that have become such an important part of our everyday lives--the polls, the research findings in such fields as marketing and medicine, the statistical measures of psychological and educational testing, and the applications of quality control in business and engineering. For UMKC - 3.0 GPA or above **or** minimum ACT Composite of 21. Additional Requirements for students with 2.76 – 2.9 GPA and who do not meet the ACT score requirement, as well as those who are taking a dual credit math class. Tuition to UMKC required for college credit. Recommendation: 1 full credit of Algebra II and at least ½ additional math credit.

ADVANCED GEOMETRY – 1 semester; ½ credit—11, 12
Advanced Geometry introduces the high school student to the mathematics of logistics, fractals, and other topics. How do all those online orders get delivered so quickly? What mysteries lie behind fractal geometry?

APPLIED GEOMETRY – 2 semesters; 1 credit—10
Applied Geometry is designed to put high school level Geometry into practice. The course emphasis will be on practical applications of the Pythagorean theorem, trigonometric functions, areas of plane figures, surface areas and volumes of solids as well as other topics. This course makes the leap from theory to real life.

COLLEGE PRECALCULUS ALGEBRA ACCELERATED
(1 semester) Grades: 11,12 Credit: 1.0
The major emphasis of this course is to allow the college-bound student to advance to the college level the algebraic topics. These topics may include, but are not limited to, exponential functions, logarithms, complex numbers, matrices, sequences, series, and limits. The course is designed to strengthen students' mathematical reasoning and problem-solving skills in preparation for more advanced courses. This course may also be taken for 3 hours of college credit through UMKC. College credit enrollment requires a minimum 3.0 GPA or above **or** minimum ACT Composite of 21. Additional Requirements for students with 2.76 – 2.9 GPA and who do not meet the ACT score requirement, as well as those who are taking a dual credit math class. Tuition to UMKC required for college credit. Prerequisites: Algebra I, Algebra II, and Geometry

COLLEGE MATHEMATICS FOR LIBERAL ARTS – 2 semesters; 1 credit—11, 12
This course is a survey of elementary mathematics covering such topics as logic sets, counting methods, introductory probability theory, and statistics. This course will emphasize mathematical concepts and does not require the level of computational skills of College Precalculus Algebra. This course may also be taken for 3 hours of college credit through UMKC. College credit enrollment requires a minimum 3.0 GPA or above **or** minimum ACT Composite of 21. Additional Requirements for students with 2.76 – 2.9 GPA and who do not meet the ACT score requirement, as well as those who are taking a dual credit math class. Tuition to UMKC required for college credit. Tuition to UMKC required for college credit.
Prerequisite: Algebra II

CONSUMER MATH – 2 SEMESTERS; 1 CREDIT—11, 12
Students will develop mathematical skills needed for daily living. Skills such as budgeting, managing a checking/debit account, figuring tax, making major purchases, and consumer credit will be addressed. The course is taught by special education staff. Students must meet established criteria for eligibility. The course is designed to provide specialized instruction on appropriate IEP goals as outlined in each student's IEP. This course does NOT meet core requirements for NCAA or count as an English requirement for NCAA.

GEOMETRY -2 semesters; 1 credit-9, 10, 11, 12
This is a course that deals with logical thinking for deductive proofs, the role of definitions and undefined terms, the meaning and use of assumptions and theorems, and the use of algebraic relationships.
Prerequisite: 1 full credit of Algebra I

INSTRUCTIONAL GEOMETRY – 2 semesters; 1 credit—10
This course is taught by special education staff and modifies the general curriculum. Students must meet established criteria for eligibility. This course is taught by special education staff and designed to provide specialized instruction on appropriate IEP goals as outlined in each student's IEP.

MATH APPLICATIONS – 2 semesters; 1 credit—11, 12
Students will apply concepts learned in Algebra I and Geometry to real world and/or job situations This course does NOT meet core requirements for NCAA or count as a Math requirement for NCAA.
Prerequisite: Algebra I and Geometry

COLLEGE PRECALCULUS ALGEBRA (2 semesters)
Grades: 11, 12 Credit: 1.0
This is a basic college level math course. Course content consists of algebra, analytic geometry, functions, and graphing. This course may also be taken for 3 hours of college credit through UMKC This course may also be taken for 3 hours of college credit through UMKC. College credit enrollment requires a 3.0 GPA or above **or** minimum ACT Composite of 21. Additional Requirements for students with 2.76 – 2.9 GPA and who do not meet the ACT score requirement, as well as those who are taking a dual credit math class. Tuition to UMKC required for college credit.
Prerequisite: Algebra II credit

PROBABILITY AND STATISTICS – 1 semester; ½ credit; 11, 12
Probability and Statistics includes the concepts and skills needed to apply statistical techniques
in the decision-making process. Topics include: (1) descriptive statistics, (2) probability, and (3) statistical inference. Practical examples based on real experimental data are used throughout. Students plan and conduct experiments or surveys and analyze the resulting data. Prerequisite: Algebra II

TRIGONOMETRY – 1 semester; ½ credit, 11, 12
Trigonometry provides students with the skills and understandings that are necessary for advanced manipulation of angles and measurement. Trigonometry provides the foundation for common
periodic functions that are encountered in many disciplines, including music, engineering, medicine, and finance (and nearly all other STEM disciplines). Prerequisites: Geometry and Algebra II

COMPUTER SCIENCE PRINCIPLES -2 semesters; 1 credit—11, 12
The course, falling within PLTW's Pathway to Engineering, is project- and problem-based, with students working in teams to develop computational thinking and solve open-ended, practical problems that occur in the real world. The course aligns with the College Board's new CS Principles framework. The course is not a programming language course; it aims instead to develop computational thinking, to generate excitement about the field of computing, and to introduce computational tools that foster creativity. Students completing the course will be well-prepared for a first course in Java or other object-oriented language. (Math OR Practical Art Credit)

SCIENCE

Three Science credits required, and they must include Physical Science and Biology.

9th Grade Required Credit	Optional Science Credit
Physical Science or Honors Physical Science	Principles of Biomedical (does not replace Biology credit)

10th Grade Required Credit	Optional Science Credit
Biology or Honors Biology (Delayed if repeating Physical Science)	Chemistry Astronomy* Principles of Biomedical Science Human Body Systems (after Principles of Biomedical)

11th and 12th Grade Options for 3rd Science Credit	
Advanced Placement (AP) Physics C: Mechanics	Earth Science (does not count for College Prep Certificate) Invitation Only
Anatomy and Physiology	Ecology/MO Zoology
Biomedical Innovations/ Internship (prerequisite: Senior with at least 1 PLTW course)	Human Body Systems (prerequisite: Principles of Biomedical Science)
Botany*	Medical Intervention (prerequisite: Principles of Biomedical Science and Human Body Systems)
College Biology	Microbiology*
Chemistry	Physics
College Chemistry (prerequisite: Chemistry)	Principles of Biomedical Science

The philosophy of science teaching must recognize the need for developing in all individuals the basic attitudes, skills and understandings requisite for living intelligently now and in the future.

ANATOMY AND PHYSIOLOGY--2 semesters; 1 credit—11, 12
Through laboratory experiences and cooperative learning, students will explore the structure and function of the human body. The life-maintaining chemistry of the body will also be investigated. Topics include cells and tissues and the following systems: integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic, digestive, respiratory, urinary, and reproductive. This course is recommended for students interested in health care and first responder or any student interested in understanding how the body works. Students will be required to complete various dissections and attend a field trip to a Cadaver Lab. Prerequisite: Passing grade in Biology

AP BIOLOGY - 2 semesters; 1 credit--10, 11, 12
AP Biology is designed to be the equivalent of a college introductory biology course for potential majors. An important component of the course is college level laboratory work. There are 12 "required" labs that will be performed and are testable on the AP exam. The purpose of the course is to prepare the student to take the AP exam and gain college credit. Therefore, the course follows these test subjects: 25% Molecules and Cells, 25% Heredity and Evolution, 50% Organisms and Populations. AP recommends that Biology 1 and Chemistry 1 be taken before this course. This course and exam may be taken for possible AP college credit.

AP PHYSICS C: Mechanics - 2 semesters; 1 credit--12
Advanced Placement Physics is a course in mechanics and provides instruction in six main content areas: Kinematics; Newton's laws of motion; work, energy and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. The course is taught in a similar way to a college physics course with the goal of students taking and being successful on the AP exam given at the conclusion of the course. The method of instruction will utilize guided inquiry and student-centered learning to foster the development of critical thinking skills and will use introductory differential and integral calculus throughout the course.
Recommended: Physical Science; Strongly recommend concurrent with Calculus or successful completion of Trigonometry before enrolling. Students may take this course and exam for college AP credit.

ASTRONOMY - 1 semester; ½ credit--10, 11, 12
This course is meant to be an introduction to basic concepts of astronomy. Major areas of study will include history, Kepler's and Newton's laws of motion, the moon, planets, stars and galaxies. Optional night and morning sessions outside, with telescopes, would be available to learn common stars and constellations. Some field trips might be scheduled.

BIOLOGY - 2 semesters; 1 credit--10, 11, 12
Biology is the study of life and the processes of life. This introductory course discusses cellular organizations, properties of matter and energy, characteristics and interactions of living organisms, changes in ecosystems and interactions of organisms with their environments, processes and interactions of the earth's systems, scientific inquiry, and the impact of technology and human activity. Relevant laboratory experiences will illustrate these topics. This course cannot be transferred in without administrative approval because of End of Course exam requirements. Prerequisite: Physical Science or Honors Physical Science

BIOMEDICAL INNOVATIONS/BIOMEDICAL INTERNSHIP – 2 semesters/2 classes per semester; 2 credit—12
Biomedical Innovations/Biomedical Internship is a 2-hour course for Seniors who have completed at least one Project Lead the Way (PLTW)—Biomedical Science course. First semester, students will complete the first 7 problems in the Biomedical Innovations curriculum, including Designing an Effective Emergency Room, Human Physiology, Medical Innovations, Environmental Health, Public Health, Molecular Biology, Forensic Science, and begin and Independent Project. Second semester students will participate in internship rotations at Kearney/Excelsior Springs locations and complete their independent project work for the KC Stem Senior Showcase. The course will allow students to earn dual credit through Northwest Missouri State University for Profession-Based Essentials and Work Experience. Students taking BioMedical Innovations / BioMedical Internship class for a year would have the opportunity to earn an MVA with an Internship. Prerequisite: One year of completed SAE records Prerequisite: Senior year and completed at least one PLTW Biomedical science course. Priority will be given to students who have completed the first 3 years of Biomedical PLTW courses. Course participation dependent on internship availability and administrative approval (Science Credit—also listed in science courses)

BOTANY—1 semester; ½ credit—11, 12
Botany is an investigative course into the fascinating world of plants and is considered a college preparatory course. Emphasis is given to library research, field observations, and laboratory investigations. Areas of study will include plant anatomy and physiology; plant classification and taxonomy; identification, collection, and preserving of local flora; and the ecology and human uses of plants. Students taking Botany for a semester would have the opportunity to earn an MVA with a Client Connected Project. Prerequisite: One year of completed SAE records. As an advanced science course, students should have earned an average grade or above in biology or have successfully completed other junior/senior level science classes.

CHEMISTRY - 2 semesters; 1 credit--10, 11, 12
Chemistry is a study of the atomic and molecular structure of matter. The course is designed to meet the various curricular requirements for an introductory course in chemistry. The subject matter is organized for a modern theoretical development. Along with lecture, there will be cooperative learning group activities and laboratory experiences that are designed to enhance the learning experience. Prerequisite: Passing grade in Algebra I.

COLLEGE BIOLOGY – 2 semesters; 1 credit—11, 12
This course is an introduction to structural organization and functional processes of living. The following topics will be included: scientific method, fundamental biochemical principles, cell theory, gene and inheritance theory, evolution, and ecology. This course is recommended for students NOT majoring in Biology. The UMKC dual credit Biology class will be 4 credits—3 credits for Bio 102 and 1 credit for 102L, the lab portion, upon successful completion of both semesters. College credit enrollment requires a minimum 3.0 GPA or above **or** minimum ACT Composite of 21. Additional Requirements for students with 2.76 – 2.9 GPA and who do not meet the ACT score requirement. Tuition to UMKC required for college credit.

COLLEGE CHEMISTRY--2 semesters; 1 credit--11, 12
This course is desirable for all students who plan to attend college and is essential for those who plan careers in science, medicine or related fields. Topics include Stoichiometry, gas laws, thermochemistry, atomic structure, molecular shapes and

bonding theories. Recommended preparation: Chemistry credit and a working knowledge of College Precalculus Algebra. The UMKC dual credit CHEM 211 General Chemistry class will be 5 credit hours—4 credits for Chem 211 and 1 credit for 211L, the lab portion, upon successful completion of both semesters. College credit enrollment requires a minimum 3.0 GPA or above **or** minimum ACT Composite of 21. Additional Requirements for students with 2.76 – 2.9 GPA and who do not meet the ACT score requirement. Tuition to UMKC required for college credit.

EARTH SCIENCE – 2 semesters; 1 credit—11, 12
Earth Science introduces the geosciences and will explore basic principles of geology, astronomy, meteorology and oceanography. Earth Science consists of the following units of study: Structure of a Dynamic Earth, Forces that Attack the Surface, Forces that Raise the Surface, The Ocean, Earth and the Universe, Atmospheric Science, and
Earth's History. *Not a lab science class*. This course does not count toward the College Prep Certificate. This course is by invitation only and will be capped at 15. Prerequisite: A Physical Science and Biology

ECOLOGY AND MO ZOOLOGY - 2 semesters; 1 credit--11, 12
This environmental science course has an emphasis in areas of ecology, geology, atmospheric science, biology, chemistry, law, economics, ethics, etc. in order to examine our entire world. The course will begin with a rapid review of the fundamentals of biology. Insects, fish, amphibians, reptiles, birds and mammals will also be examined through identification of specimens, and the students will dissect a salamander, snake, turtle, and cat. Students enrolling in this course will be provided information for understanding and appreciating our environment that should enhance the remainder of their lives.
Prerequisite: Biology

GENETICS - 1 semester, ½ credit--11, 12
This course is a survey of the fundamentals of genetics and their application to contemporary issues. Major topics include DNA structure and replication, protein synthesis, cell cycle, gametogenesis, the chromosomal basis of inheritance, and genetic engineering. Special topics include the human genome project, DNA fingerprinting, forensics, cloning, stem cell research and gene therapy.
Prerequisite: Passing grade in Biology

HONORS BIOLOGY – 2 semesters; 1 credit—10
Biology is the study of life and the processes of life. This introductory course discusses cellular organizations, properties of matter and energy, characteristics and interactions of living organisms, changes in ecosystems and interactions of organisms with their environments, processes and interactions of the earth's systems, scientific inquiry, and the impact of technology and human activity. Students are also expected to spend more time outside of class in preparation for the curriculum. These expectations include reading and outlining chapters prior to class discussion. Relevant laboratory experiences will illustrate these topics. This course cannot be transferred in without administrative approval because of End of Course Exam requirements. Prerequisite: Physical Science or Honors Physical Science

HONORS PHYSICAL SCIENCE – 2 semesters, 1 credit—9
Honors Physical Science is an introductory course of a formal study of physical science with emphases in experimental design and mathematical problem solving. The major concepts covered in this course will be the properties and principles of matter and energy and force and motion. The skills of experimental design, data collection, and graphical analysis will be emphasized, allowing students to express these models in words, diagrams, graphically and algebraically. This course moves at an accelerated pace and it requires excellent reasoning skills and well-developed work and study habits. Fluency in the application of algebra is essential.
HUMAN BODY SYSTEMS – 2 Semester; 1 credit—10, 11, 12
Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real-world cases and often play the roles of biomedical professionals to solve medical mysteries. This course is designed for 10th, 11th or 12th grade students. Prerequisite: Principals of Biomedical Science or Biology (Also listed under Project Lead the Way)

MEDICAL INTERVENTIONS—2 Semesters; 1 credit—11, 12
Students investigate a variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the life of a fictitious family. The course is a "How-To" manual for maintaining overall health and homeostasis in the body. Students explore how to prevent and fight infection; screen and evaluate the code in human DNA; prevent, diagnose and treat cancer; and prevail when the organs of the body begin to fail. Through these scenarios, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. Prerequisite: Human Body Systems or Anatomy and Physiology (Also listed under Project Lead the Way)

MICROBIOLOGY – 1 semester; ½ credit – 11, 12
Microbiology is designed to develop a working knowledge of basic bacterial laboratory techniques; understand the foundations of microbiology-the concepts of classification, evolution and growth of microorganisms; and a factual and laboratory knowledge of specific microorganism types. In addition, students will develop an understanding of microbial ecology and of medical and practical uses for microorganisms and how they relate to basic biological concepts. It is the intent of the course to provide an opportunity to learn the skills necessary to understand and get a feel for the basic ideas embodied within the various facts that they will encounter and how those ideas are related. This will allow students to establish a firm foundation for future microbiology courses and/or a good appreciation of concepts needed to make reasonable choices in their everyday lives. In general, they

will understand how microorganisms live, survive where they do, how they are related, and how they interact with us. In the laboratory, students will acquire and successfully use basic bacteriological skills.
Prerequisite: Biology

PHYSICAL SCIENCE- 2 semesters; 1 credit--9
Physical Science is the study of matter and energy and their interactions. This is an introductory course for students needing a good background for further studies in all sciences. The fundamental principles of our non-living environment make up the context of this course. The course emphasizes everyday application of physical science and the development of laboratory skills and problem-solving techniques. Physical science is a prerequisite course for higher-level science classes at Kearney High School.

PHYSICS – 2 semesters; 1 credit—11, 12
Physics is a two semester course covering many topics in physics. The purpose of the course is to give you, the student, the necessary information and problem-solving skills to be able to understand concepts of physics that occur in the world around you. This course is also designed to give the college-bound student a background in physics that will enable him of her to succeed in a college level physics course. This course will cover areas including but not limited to: Newton's Laws; motion; friction; wave motion; thermodynamics; light; and electricity.

PRINCIPLES OF BIOMEDICAL SCIENCE – 2 semesters; 1 credit—9, 10, 11, 12
Students investigate various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They determine the factors that led to the death of a fictional person, and investigate lifestyle choices and medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, medicine, and research processes. This course provides an overview of all the courses in the Biomedical Sciences program and lays the scientific foundation for subsequent courses. This course is designed for 9th grade students. (Science Credit or Practical Art Credit—Also listed under Project Lead the Way)

SOCIAL STUDIES

Three social studies credit required, and they must include World History, American History or AP US History, and American Government or AP American Government

Pathway for no dual/college credit American History

9th Grade	10th Grade	11th Grade	12th Grade
World History	American History	American Government or AP Government OR	American Government or AP Government

Pathway for no dual/college credit American History

9th Grade	10th Grade`	11th Grade	12th Grade
World History	American History, social studies elective, **OR** no social studies	AP US History **OR** American Government/AP Government	AP US History **OR** American Government/AP Government (course not taken junior year)

Kearney students need to have a broad understanding and knowledge of the world and the skills necessary to participate as productive citizens. The social studies department will introduce students to the disciplines of history, economics, political science, geography, sociology and psychology through a variety of required and elective courses.

AMERICAN GOVERNMENT - 2 semester; 1 credit—11, 12
This course is a study of the federal and state governments. Units 1, 2, 3, 6, and 7 will be covered in the Civics Text and chapter 1-6 in the Missouri Studies Text. All students must pass both the United States and Missouri Constitution tests to fulfill graduation requirements. This course cannot be transferred in without administrative approval because of End of Course Exam requirements.

AMERICAN HISTORY -- 2 semesters; 1 credit—10, 11, 12
American History is designed to give the student an increasing understanding and appreciation of his or her country. A brief survey of Colonial America, the Revolutionary War, and early growth and expansion is included. The Civil War and its causes will be covered. The period since the reconstruction is emphasized such as the tremendous changes in the way of living which have resulted from the modern industrial world and the end of the rural setting. The Spanish American War, World War I and World War II are also studied extensively. Every effort will be made to bring the student into the current decade.

AP AMERICAN GOVERNMNET -- 2 semesters-1 credit; 11, 12
This course is designed to give students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. government and

politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics.

AP HUMAN GEOGRAPHY-11,12 - 2 Semesters - 1 credit
AP Human geography is an introductory college-level course that introduces students to cultural geography thematically and is organized around the discipline's main subfields: economic geography, cultural geography, political geography, and urban geography. The approach is spatial and problem oriented. Case studies are drawn from all world regions, with an emphasis on understanding the world in which we live today. Prerequisite: "C" or above in World Studies.

AP US HISTORY – 2 semesters-1 credit; 11, 12
The AP U.S. History course focuses on developing students' understanding of American history from approximately 1491 to the present. The course has students investigate the content of U.S. history for significant events, individuals, developments, and processes in nine historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. The course also provides seven themes (American and national identity; migration and settlement; politics and power; work, exchange, and technology; America in the world; geography and the environment; and culture and society) that students explore throughout the course in order to make connections among historical developments in different times and places.

COLLEGE PSYCHOLOGY—1 semester; ½ credit—11, 12
The dual credit psychology class will cover the introductory terms, concepts and theories to provide an entry level knowledge of psychology. Various psychological disorders and psychology's research techniques will be introduced. This course may also be taken for 3 hours of college credit through UMKC. College credit enrollment requires a minimum 3.0 GPA or above **or** minimum ACT Composite of 21. Additional Requirements for students with 2.76 – 2.9 GPA and who do not meet the ACT score requirement. Tuition to UMKC required for college credit.

CONTEMPORARY ISSUES AND LEADERS - 1 semester; ½ credit--10, 11, 12
This class will provide a thorough study of issues and events that shape America and the world and provide an opportunity for students to learn about the leaders of the works who have severely impacted history on either a positive or a negative note. *Time* magazine and *Update* magazine will be the text along with the Kansas City papers. Television specials or materials may be included. Some research work may be required.

HUMAN GEOGRAPHY- -11,12 - 2 Semesters - 1 credit
Human geography introduces students to cultural geography thematically rather than regionally and is organized around the discipline's main subfields: economic geography, cultural geography, political geography, and urban geography. The approach is spatial and problem oriented. Case studies are drawn from all world regions, with an emphasis on understanding the world in which we live today. Prerequisite: World Studies. Students taking Human Geography class for a year would have the opportunity to earn an MVA with a Client Connected Project.

PSYCHOLOGY - 1 semester; ½ credit—10, 11, 12
This course is the study of understanding people. The class will cover such topics as memory and thought, learning, motivation and emotion, nervous and endocrine system, dreams, perception and theories of personalities. Research techniques used by psychologists will also be covered.
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PSYCHOLOGY OF HUMAN PEFORMANCE- 1 semester, ½ credit- 11,12
Sport Psychology is an overview of basic concepts and principles essential to understanding the psychological and behavioral aspects of sport and exercise. Emphasis is given to the conceptual frameworks and the applied aspects of sport performance enhancement and mental skills, exercise behavior and motivation, sociological factors, and health and well-being. Students taking Psychology of Human Performance class for a semester would have the opportunity to earn an MVA with a Client Connected Project.
Prerequisites: Psychology recommended

SOCIOLOGY - 1 semester; ½ credit – 10, 11, 12
The course is the study of human behavior. The study attempts to show how individuals are influenced by the pressures exerted upon them by social, political, economic, family, and educational factors. The stress and challenge of changing groups, changing conditions, and changing issues will be featured. Students taking Sociology class for a semester would have the opportunity to earn an MVA with a Client Connected Project.

WORLD STUDIES -2 semesters; 1 credit—9
World History is more than just a series of dramatic events. It is the story of the human community and how people lived on a daily basis, how they shared ideas, how they ruled and were ruled, and how they fought. World Studies includes the big subjects such as economics, geography, politics, and social change, but it is also the story of dreams fulfilled and unfulfilled, personal creativity, and philosophical and religious inspiration that shapes the world we live in today. The class will cover the periods of world history from the dawn of mankind to the present day with emphasis on the modern world. The class will use the course text and will also utilize materials from the Media Center as well as various supplemental readings from magazines, newspapers, and Internet sources.

WORLD STUDIES FLIPPED CLASSROOM – 2 semesters; 1 credit--9
This course is designed to be an alternate option for highly motivated digital natives. In this course we will explore the current World History Curriculum from 1450 to present day, discussing history's continuities and changes, government, economy, geography, and the people who experienced it all. The twist to the class is that all work will be completed in

class, and instructions needed for class will become the homework. The idea is that students can work closer to their own pace with individualized help provided by the teacher. Students can expect 15 minutes of homework each night. In return all work will be completed in class and the depth of knowledge received by students should increase as the education plan will naturally become individualized for each student based on their needs.

PRACTICAL ARTS

One full credit of Practical Art Required. Semester and department courses may be mixed to make a credit. ½ credit Personal Finance required in addition to 1 full Practical Art credit.

AGRICULTURE EDUCATION

Agriculture is the largest industry in our state and nation. These courses of study will help prepare students entering straight into an agricultural career as well as those entering a two- or four-year college/university. Students should expect courses to be hands-on and applicable to issues they will face in the real world. All students enrolled in Agriculture Education courses will be expected to have a Supervised Agricultural Experience Program. Agriculture Education is designed to be a four-year program of study. Through these courses, students will have the opportunity to join the National FFA Organization, one of the largest youth leadership organizations in the world.

AGRIBUSINESS SALES, MARKETING, AND MANAGEMENT—1 semester; ½ credit--11, 12 (offered ~~even~~ odd-numbered years; next offered 2024-2025)
This course is designed for those who have an interest in Agribusiness, the largest of the agriculture industry. The year will be spent diving into the general economic principles of agribusiness (supply and demand, costs, and opportunity costs) and continue with the planning, marketing, and selling of agricultural products. We will also develop leadership skills that go along with careers in this field and work to create resumes and professional correspondents. This course will familiarize students with agribusiness and help to prepare those who intend to further their education in this field. Students taking Agribusiness Sales, Marketing, and Management class for a semester would have the opportunity to earn an MVA with an IRC . Prerequisite: Introduction to Agriculture, Food, and Natural Resources

AGRICULTURE CONSTRUCTION—1 semester; ½ credit—10, 11, 12
This course is designed for those who wish to extend their knowledge of construction through welding, concrete work, electricity, and plumbing. Students will learn to create a bill of material, draft plans, construct projects, connect pipefittings, and wire outlets all while demonstrating proper tool use and safety. Students will be constructing and repairing projects using techniques and knowledge gained through course. This course will help to prepare students for real life tasks that require construction knowledge.

CONSERVATION OF NATURAL RESOURCES—1 semester; ½ credit—10, 11, 12 (offered even numbered years; next offered 2023-2024)
This course prepares students for activities in the conservation and/or improvement of natural resources such as oil, water, air, forests, fish, and wildlife for economic and recreational purposes. Students will also study the interactions of these in the ecosystem and work to solve environmental issues that occur. Much of this course will take place outside, studying different ecosystems and conducting unique experiments. Management of our natural resources, wildlife, and ecological systems is an essential component in sustaining our environment. Student will take on the role as a natural resource manager to address these concerns. Prerequisite: Introduction to Agriculture, Food, and Natural Resources

FLORICULTURE—1 semester; ½ credit—11, 12 (offered odd-numbered years; next offered 2024-2025)
The course focuses on floral design and the history of the flower and plant industry. This laboratory course is designed to prepare students to produce, culture and market potted flowering plants, cut flowers, foliage plants, bedding plants and other (generally non-woody) plants for ornamental purposes; includes the systematic use of business procedures and cultural practices in the operation of a floriculture business. Units include introduction to the floral industry, basic botany, floral supplies and equipment, principles of floral design, color and symmetry, and construction of mechanics of floral design. Classroom and laboratory activities are supplemented through supervised Agricultural Experiences, leadership programs and activities. Leadership development is also provided through the FFA. Students taking Floriculture class for a semester would have the opportunity to earn an MVA with an IRC. Prerequisite: Introduction to Agriculture, Food, and Natural Resources

INTRODUCTION TO AGRICULTURE, FOOD, AND NATURAL RESOURCES—2 semester; 1 credit—9, 10
Students participating in the Introduction to Agriculture, Food, and Natural Resources 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. For example, students will work in groups to determine the efficiency and environmental impacts of different fuel sources.

PRINCIPLES OF AGRICULTURAL SCIENCE—ANIMAL—2 semester; 1 credit—10, 11, 12
Principles of Agricultural Science—Animal (ASA) course is to expose students to agriculture, animal science, and related career options. Students participating in the ASA course will have experiences in various animal science concepts with exciting hands-on activities, projects, and problems. Students' experiences will involve the study of animal anatomy, physiology, behavior, nutrition, reproduction, health, selection, and marketing. For example, students will acquire sills in meeting the nutritional needs of animals while developing

balanced, economical rations. Students taking Principles of Agricultural Science - Animals class for a year would have the opportunity to earn an MVA with an IRC Prerequisite: Introduction to Agriculture, Food, and Natural Resources

PRINCIPLES OF AGRICULTURAL SCIENCE—PLANTS—2 semesters; 1 credit—10, 11,12
Plant (ASP) course provides a foundation of plant science knowledge and skills. Students will experience various plant science concepts through exciting "hands-on" activities, projects, and problems. Student experiences will include the study of plant anatomy and physiology, classification, and the fundamentals of production and harvesting. Students will learn how to apply scientific knowledge and skills to use plants effectively for agronomic, forestry, and horticultural industries. Students will discover the value of plant production and its impact on the individual, the local, and the global economy. Students will work on major projects and problems similar to those that plan science specialists, such as horticulturalists, agronomists, greenhouse and nursery managers, and plant research specialists face in their respective careers. Students taking Principles of Agricultural Science - Plants class for a year would have the opportunity to earn an MVA with an IRC. Prerequisite: Introduction to Agriculture, Food, and Natural Resources

SUPERVISED AGRICULTURE EXPERIENCE CO-OP – 1 or 2 semesters; ½ or 1 credit—11, 12
This course is for agriculture education students to work on and expand their Supervised Agricultural Experience Program. Students will work with the instructor to create an SAE plan of action. Students will be allowed to work on their individual SAE projects during the hour, either at their agricultural place of employment, the greenhouse, the construction shop, or other locations set in their SAE plan. Students will be responsible for completing the Missouri SAE record book each month. Students taking Supervised Agriculture Experience class for a year would have the opportunity to earn an MVA with an Internship. Prerequisite: One year of completed SAE records in an agriculture pathway

VETERINARY SCIENCE—1 semester; ½ credit—11, 12 (offered even numbered years; next offered 2023-2024)
This course will develop students' understanding of the small and large animal industry, animal anatomy and physiology, animal nutrition, animal reproduction, animal ethics and welfare issues, animal health, veterinary medicine, veterinary office practices, and animal services to humans. Career exploration will focus on veterinarian, veterinary lab technicians, office lab assistant, small animal production, research lab assistant, and animal nutrition lab technician. Since FFA and Supervised Agricultural Experience Programs (SAEPs) are integral components of the course, students are required to maintain Supervised Agriculture Experiences. Prerequisite: Introduction to Agriculture, Food, and Natural Resources; Recommendation that Animal Science is taken before Veterinary Science

INDUSTRIAL TECHNOLOGY

The ultimate goal of the Kearney R-1 Industrial Technology program is to assist students in comprehending our technological culture, a culture becoming increasingly dominated by new materials, new technologies and new processes. We are rapidly moving from what is referred to as a time of 'old industry' to an information age. Dominant in the 'new industry' are the technological developments of computers, lasers, robots, computer-aided design and computer-aided manufacturing systems. It is absolutely necessary for all people to understand technology if they are to function as citizens in their roles of voters, workers, employers, and family members. The purpose of industrial technology education is to increase each person's ability to comprehend and apply the concepts of industrial and technological systems.
As a result of the district's industrial technology program, our student will:

1. Appreciate the scope of contemporary technology.
2. Safely use basic tools, machines, materials, and processes associated with technology.
3. Identify occupational field and education programs in technological career fields.
4. Study and analyze the materials, products, processes, problems, uses, developments and contributions of technology.
5. Experience the organization and management systems of business and industry.
6. Research, plan, design, construct, and evaluate problems and projects common to industry and technology.

ADVANCED WOODTURNING – 1 semester; ½ credit--11, 12
This course is designed to take the 1st semester woodturning student and extend his or her knowledge of this form of woodworking. Learning experience will include experimenting with several forms of segmented wood turning (horizontal and vertical) along with other processes. Prerequisite: both woodworking and woodturning courses

ELECTRICITY/ELECTRONICS TECHNOLOGY - 1 semester; 1/2 credit--11, 12
This course is an introduction to electrical principles, theory and practice as applied to DC and AC electricity. It is a study of the sources, measurements, control and applications of electrical energy. The student is introduced to the fundamental theories on which later practical applications are based through laboratory work and project construction. The student is exposed to problem solving situations through the use of elementary mathematics involving electrical relationships. The major areas of study include basic electron theory, Ohm's Law, Watt's Law, Kirchoff's Law series, parallel and series/parallel circuits, electrical measurement, capacitance, magnetism, electro-magnetism induction, generators, motor theory, electro-mechanics systems and devices, house wiring and basic electronics.

ENERGY AND POWER TECHNOLOGY - 1 semester; ½ credit--11, 12

Introduction to Energy and Power Technology is an area of study involving conversion of energy, different forms of useful power, and the means by which this power is generated, transmitted, and controlled to serve man and industry. This course includes an overview of energy and power as well as the basic principles, production, conversion, transmission, storage and utilizations of power and energy.
Content will involve the areas of electrical, hydraulic, pneumatic and mechanical forms of power and industrial applications and utilization. Students will develop energy and power technological capabilities through activities with energy, power, instrumentation, control, electricity/electronics, transportation, conservation, hydraulics, pneumatics, small engines and robotics. Emphasis is placed on developing understanding of the scientific principles that underlie each application.

GRAPHIC COMMUNICATION TECHNOLOGY - 2nd semester; ½ credit--9
This course will be broken into two different units: Computer Aided Drafting and Introduction to Graphic Design. In Computer Aided Drafting students will learn AutoCAD LT. In this introduction to CAD, students get a step-by-step explanation for basic operations and drawing parameters for a drawing environment and using basic drawing, object manipulation and modification, and editing commands. This class is for those students interested in engineering, drafting, and/or architecture. In Introduction to Graphic Design, students will be introduced to the most important basic concepts and principles of visual communication. The student is instructed in the process of creating original graphic images, logos, designs, enhancing photographic images, and producing a personalized portfolio using computer hardware and software tools. The hands-on activities will provide them with the skills and information that will empower them to apply problem solving, reasoning and decision-making techniques to a project. This class is for those students interested in engineering, drafting, architecture, and graphic arts and design.

INDUSTRIAL WOODS TECHNOLOGY – 1 semester; ½ credit--10, 11, 12
This course is designed to introduce the student to the manufacturing methods, materials and processes used in the woods industry to include the construction of buildings and the production of articles made from wood and cellulosic products. Learning experiences will include experimenting, testing and analyzing, designing, constructing, operating, and evaluating industrial techniques as used in the woods industry.

ROBOTICS TECHNOLOGY- 1 semester; ½ credit--9 (Graphic Communications Technology is not a Prerequisite)
In this unit the students will use a hands-on approach to introduce the basic concepts in robotics. Students will be actively engaged in inquiry-based investigations that teach lessons about the mechanical advantage, measurement, motion planning, and ratios and proportions. The students will learn basic construction techniques, challenges where students get practice with problem solving, teamwork, engineering processes and project managements. This class is for those students interested in engineering and/or robots.

TECHNOLOGY EXPERIMENTATION AND PRACTICUM—2 semesters; 1 credit--11, 12
This course is designed for selected students to experiment, research and develop any single facet of technology in any cluster and to assist the instructor in other technology classes. Considerable independent work is involved in investigating the theory and practice of a significant facet of technology. Based on structured problem solving and design, this course is designed to investigate technology's interface to mathematics and science in meeting students' needs.
Prerequisite: Permission from instructor

WOOD ART - 1 semester; ½ credit--10, 11, 12
This course is designed to introduce the student to basic manufacturing methods, materials and processes used in the woods industry. Learning experience will include experimenting with various woodworking machines, process, gluing methods, hand tools, etc. Intarsia work requires the use of multiple species and colors of wood. Frequently, special kinds of wood, dyes, and paints are specified to achieve uncommon colors. This course is designed for the woodworker who wants to become familiar with wood itself but does not want to become involved with the complex machining processes normally involved with bigger projects.

WOODTURNING - 1 semester; ½ credit—9, 10, 11, 12
The hand wood lathe combines the skill of hand tool work with the power of a machine. The use of this machine is limited only to the imagination of the operator of the machine. As the operator gains in the basic skills of this machine the student will become more aware of how useful this machine can be in woodworking. There are other machines in the laboratory that can be duplicated with a great amount of success by other machines, but the wood lathe is still the only machine that is truly dedicated to itself.
This course will be taught at first with basic exercises using the standard tool sets that come with the wood lathe. The various exercises will be used to teach the student the various uses of the tools, types of turnings, accessories, etc. The student will progress on to take home projects after completing all the exercise work that will be required of the student. Grades will be determined on student's exercises, projects, tests, research papers, classroom and laboratory work and participation.

THEATER

STAGECRAFT I – 2 semesters; 1 credit—10, 11, 12
This class will introduce the students a practical approach to the technical and production aspects of the theater. Students will learn the skills needed to design scenery based on a play and the physical restriction of the performance venue (Black Box, Auditorium as classroom). Students will then learn safety rules for using the stagecraft tools and the room itself. Students will learn how to construct and build safe props and scenery for the stage space. Students will learn about lighting and sound, and work on some specialized equipment. Students will learn about various scenic artistry and design elements. In conjunction with the Theater Department, students will take an active role in one of the major productions throughout the year. Additionally, students may

learn about costume design and construction, and makeup and hair design for period plays. This course is designed to work with individual students and their needs. Once completing this class, all students will be equipped with fundamental knowledge of the theater discipline, and teamwork.

FAMILY AND CONSUMER SCIENCE

The family and consumer science department offer students an opportunity to take a wide range of classes. These classes emphasize improvement of the home, the quality of individual and family life, and help with future employment. Classes are offered in the areas of child development, consumer skills, health, foods, family and personal relationships, and housing.

CHILD DEVELOPMENT- 1 semester; ½ credit--10, 11, 12
The course is designed to focus on childhood as a stage of development, especially the infant and toddler ages. The decision-making process is utilized as it applies to all areas of parenting from pre-conception, including pregnancy and birth, through 24 months. What children need, how we study them, and how to maintain health and well-being are major areas of interest. The class is heavily project driven.

CHILD DEVELOPMENT LAB - 1 semester; ½ credit—10, 11, 12
This course is designed to focus on the practical aspect of caring for and teaching young children. The students enrolled in the class will teach the 3-5-year olds in learning centers in the Bulldog high school - preschool. The students will be expected to provide physical, social, emotional, and intellectual care of the children. The lab meets twice weekly for approximately 12 weeks. The rest of the class time is used for lab preparation and understanding preschool development skills. Students taking Child Development Lab class for a semester would have the opportunity to earn an MVA with a Client Connected Project. Prerequisite: Child Development

Foods I- 1 semester; ½ credit--10, 11, 12
This course is designed to make students aware of the contribution foods make toward family health and to give them practical experience in preparing and serving food. The areas studied include meal planning and nutrition for the family, types of entertaining, and careers.

Foods II- 1 semester; ½ credit - 10, 11, 12
This course is an advanced foods class designed to further the knowledge of food and to understand some of the problems associated with foods. Some of the areas studied include the composition of food, the importance of food in the body, the management of food resources, and a study of world foods. These areas of study are applied through practical food laboratory experiences.
Prerequisite: Foods I

Advanced Foods- 1 semester; ½ credit--10, 11, 12
(considering for additional time and credit)
This course will allow students to be creative with food, food preparation, food presentation, and meeting family needs with food. The food industry is among the fastest growing and most dynamic industries in the world, purely because it is constantly developing, evaluating the new needs of populations and creatively researching and generating solutions. The course has been designed to hone your skills in food preparation, meal planning, and food presentation and will also heighten your awareness of nutritional concerns and effective consumerism. There will be a very extensive practical element to the course with carefully planned food labs ensuring a better understanding of a wide range of ingredients and specific preparation techniques. Prerequisite: Foods I and Foods II

INTERIOR DESIGN AND HOUSING - 1 semester; ½ credit--10, 11, 12
The course is designed to help students plan and use successfully the aspects of interior design and housing in their home now and in their future homes. The aspects of housing studied include housing needs for families, house styles, the cost of housing, the elements and principles of design, floor plans, and careers in housing. Projects are a major part of this course. Students taking Interior Design and Housing class for a semester would have the opportunity to earn an MVA with a Client Connected Project.

NUTRITION AND WELLNESS -1 semester; ½ credit—10, 11, 12
This course emphasizes the importance of knowledge, attitudes, and practices relating to personal health and wellness. It is a course designed to expose students to a broad range of issues and information relating to the various aspects of personal health, which include the physical, social, emotional, intellectual, spiritual, and environmental aspects. Topics of exploration include, but are not limited to, nutrition, physical fitness, school against violence in education, child abuse and neglect recognition and reporting, and stress and weight management. This class cannot be substituted for "HEALTH"

PERSONAL RELATIONSHIPS AND COMMUNICATION - 1 semester; ½ credit--10, 11, 12
This course is open to all students who wish to study their relationships with the people around them and how their decisions affect their lives. Areas of study will include personality identification, decision making skills, strength of personal values, healthy dating relationships and what we can learn from others.

BUSINESS/MARKETING/ TECHNOLOGY

Today's business world demands that students leave Kearney High School prepared to meet the needs of employers and colleges. Our Business, Marketing, and Technology programs provide a foundation for success for all students, regardless of their ultimate goals in life. Business competencies are required in all professions, not only technical skills but also an understanding of business operations and the social skills of employment settings. Whether or not you ultimately seek a Business Major in college, the Business, Marketing and Technology programs of Kearney High School offer real life skills and knowledge relevant to each person. For those

interested in post-secondary education in Business or a Business career, please read on…

Great strides have been made in the preparation of students for the workplace and post-secondary activities. The KHS Business, Marketing, and Technology programs are changing dramatically to meet the needs of students and business today. The "Business World" now expects that persons understand the basic concepts utilized in many professions and obtain decision making and problem-solving skills before being hired for that entry level position. The KHS Business, Marketing, and Technology programs are intended to provide students with situations which will allow them to experience those skills needed to succeed in the career and/or educational endeavors they pursue. Students concentrating in these programs should be prepared to understand the demands of others in the workplace, to analyze rapidly changing events, and to formulate responsive, rational, and proactive approaches to decision making.

Our Business, Marketing, and Technology Programs have been planned to allow students to prepare for careers in business while providing instruction that matches their abilities, interests, and personal qualities. The sequence of learning experiences offered will provide the opportunity for students to achieve their highest level of occupational competency and prepare students for post-secondary majors in the Business area. Students planning on majoring in any business-related field—Business Administration, Marketing, Management, and Information Technology to name a few—should find an area of concentration within the Business, Marketing, and Technology programs at Kearney High School. Please consult your counselors or any of the Business, Marketing, and Technology teachers for assistance in planning your business educational experience.

BUSINESS COURSES

BANKING AND FINANCIAL SERVICES – 2 Semesters – 12
The finance course applies money and economic concepts to the development of personal financial goals and to the preparation of students for careers in which they plan, manage and analyze the financial and monetary aspects and success of business enterprises. Skills in money management deal with the study of basic concepts of economics, insurance, credit, savings, investments and budgeting—skills needed for productive citizenship. The course may also cover such business financial matters as business cycles, opportunity costs, cost-benefit analysis, methods of financing businesses, stocks and bonds, profit and loss and others. Students taking Banking and Financial Services class for a year would have the opportunity to earn an MVA with an Internship.

BUSINESS LAW - 1 semester; ½ credit—10, 11, 12
This course is designed to acquaint students with the basic legal principles relevant to their roles as citizens, consumers, and employees through a mixture of personal, business, and consumer law. The content includes the basic characteristics of the American system of free enterprise, rights of private property, basic elements of contracts, employer-employee relations, landlords and tenants, individual rights, wills and estates, family and juvenile justice law, and community property. This course prepares students for postsecondary programs in Business Administration.

BUSINESS MANAGEMENT—1 semester; ½ credit—10, 11, 12
This course is designed to help students develop an understanding of skills and resources needed to manage a business. Instruction includes a general overview of business, forms of business ownership, personnel management, labor-management relations, public and human relations, taxation, and government regulations. The use of computers and software as tools in making business decisions in areas such as accounting, sales analysis, and inventory control is also introduced. This course prepares students for postsecondary programs in Business Administration, Marketing, and Management.

COLLEGE FOUNDATIONS OF BUSINESS- 1 semester, ½ credit, 11,12
Introduces the functional areas of business (e.g., accounting, systems, finance, marketing, human resources, and entrepreneurship) as well as a number of contemporary business topics, including social responsibility, diversity, ethics, and globalization. Additionally, students will be exposed to various topics that facilitate a successful transition from high school to college. . This course may also be taken for 3 hours of college credit through UMKC. College credit enrollment requires a minimum 3.0 GPA or above **or** minimum ACT Composite of 21. Additional Requirements for students with 2.76 – 2.9 GPA and who do not meet the ACT score requirement. Tuition to UMKC required for college credit.
Prerequisite: Business Management, Marketing Course, and/or Personal Finance.

ECONOMICS -- 1 semester; ½ credit--10, 11, 12
This course emphasizes analysis of the American economic system as it relates to the individual and other economic systems. Specific units will cover microeconomic issues such as the law of supply and demand, factors of production, and the business cycle. Macroeconomic issues will include money and banking, monetary and fiscal policy, international trade, and comparative economic systems. We will be touching on the history of economic thought as well as current economic issues.

INTRODUCTION TO BUSINESS – 1 semester; ½ credit; 9
This course develops a practical application to business and economics in our environment. Students will gain a basic understanding of business principles. Introduction to Business introduces students to business areas and how they function together in a global business environment. Students will become familiar with business concepts and terms. Students will be introduced to business and non-business areas and how they function together in a global business environment. Intro to Business will familiarize students with business concepts, terms and bases for global competition and help them learn critical thinking skills through cases and applications of concepts in real world situation. The course exposes students to a wide variety of business careers to facilitate student

decisions on appropriate business majors. This course shows how business relates as a part of all future careers.

PERSONAL FINANCE -- 1 semester; ½ credit--11, 12
Understanding and managing personal finances are key to one's future financial success. This one-semester course is based on the Missouri Personal Finance Competencies and presents essential knowledge and skills to make informed decisions about real world financial issues. Students will learn how choices influence occupational options and future earning potential. Students will also learn to apply decision-making skills to evaluate career choices and set personal goals. The course content is designed to help the learner make wise spending, saving, and credit decisions and to make effective use of income to achieve personal financial success. Also available as ONLINE PERSONAL FINANCE is available but recommend a 3.0 GPA for on-line course format. Students must have access to a computer and the inter-net outside of the school. KHS is not responsible for providing computers. Students will be required to meet with the teacher outside of school time for tests and other reasons at the discretion of the teacher. For On-Line courses the teacher will communicate with the student using the student's school email address. *NOTE: All online courses must meet a minimum student enrollment, even after course changes are completed, to be allowed to continue as a course option in student schedules.*

MARKETING COURSES

ADVANCED MARKETING – 2 semesters; 1 credit--12
Students in this course will be enrolled concurrently in Marketing Internship. Students will gain an understanding of how their employment relates to the world of marketing through channel management, global marketing, information management, market planning, pricing, product service management, marketing communications and career and professional development. On the job experiences will be incorporated into class discussions and lessons. *Participation in DECA is available and encouraged

ADVERTISING - 1 semester; ½ credit—12
This course studies the creative, social and economic aspects of advertising. It gives the students the opportunity to explore an exciting career in creative marketing. The student will study the advertising industry, integration of marketing concepts, definition of the customer, creating a promotional mix, develop an advertising plan, and creating a variety of media ads and the effects of advertising on society. The student will be prepared to apply marketing skills in a selling capacity in any industry. *Participation in DECA is available and encouraged

ENTREPRENEURSHIP – 1 semester; ½ credit; 11, 12
This course helps students gain an understanding of the business/marketing principles necessary to start and operate a business. Students will first learn basic economic principles related to business ownership. They will identify and assess common traits and skills found in entrepreneurs, explore business opportunities, and compare the risks and rewards of owning a business. Students will understand the process of analyzing a business opportunity, determining feasibility of an idea using research, developing a plan to organize and promote the business and its products/services, and finally, to understand the capital required, the return on investment desired, and the potential for profit. Students taking Entrepreneurship class for a year would have the opportunity to earn an MVA with an Entrepreneurship Opportunity. *Participation in DECA is available and encouraged

FUNDAMENTALS OF MARKETING - 2 semesters; 1 credit—10, 11, 12
This is an introductory marketing class designed for business-minded students interested in knowing the secrets to business success. This course will provide a basic understanding of the fundamental marketing process with an emphasis toward competing in a free enterprise system. Major components consist of marketing principles, product development, pricing, selling, distribution, channel management, and sales promotion. The co-curricular organization DECA is an opportunity for students interested in challenging their newly acquired business skills. This organization offers many benefits and exciting activities for marketing students, including competitions, awards, scholarships, job opportunities, and travel. *Participation in DECA is available and encouraged.

MARKETING INTERNSHIP - 2 semesters; 1 credit for 10 hours/week, 2 credits for 20 hours/week--12
This internship program is dedicated to developing competent workers, to assist in the improvement of workplace practices, and to the preparation of students in assuming roles as responsible and productive members of society. Students have the opportunity to apply marketing concepts, principles, skills and attitudes in a marketing occupation. Classroom instruction, cooperative work experience, and student activities in DECA are combined for a unique learning experience. Students taking Marketing Internship class for a year would have the opportunity to earn an MVA with an Internship. Prerequisite: Concurrent enrollment in Advanced Marketing consent of instructor. *Participation in DECA is available and encouraged

MARKETING RESEARCH – 1 semester; ½ credit--11, 12
This semester long course is for students who are considering a career in business and marketing. In this course, students will have the opportunity to work in small groups to complete a semester long client project. Clients will be from area businesses seeking a solution to a problem they are facing in the business world. This course will give students hands-on, real world experience in research, data tabulation, problem solving, team work, presentation skills, and communication with a client. Students have the opportunity to earn a resume-worthy MVA (market value asset) at the conclusion of their client-connected project.

RETAIL READINESS - 1 semester; ½ credit—11, 12
This course will prepare students to apply marketing skills in a retail environment. Units include trading areas, types of shopping district, visual merchandising, store layout, pricing, stock inventory, employment procedures, and customer service skills. This class creates savvy shoppers and retail employees alike. *Participation in DECA is available and encouraged

Marketing Practicum / School Store) - 1 semester; ½ credit - 10, 11, 12
The School-based enterprise (Bruiser's School Store), is a hands-on learning environment and an entrepreneurial operation located in Kearney High School. The purpose of a school-based enterprise is to identify, create, and sell goods or services that meet the needs of the specified market or target audience. The school-based enterprise operates much like a small business would, in that students identify a need and a target market, make or acquire inventory, engage in marketing of their products or enterprise, and sell the goods or services to generate revenue. This class is only offered during 5th hour. *Participation in DECA is available and encouraged

TRAVEL AND TOURISM – 1 semester; ½ credit—11, 12
With greater disposable income and more opportunities for business travel, people are traveling the world in growing numbers. As a result, the hospitality and tourism industry is one of the fastest growing industries in the world. This course introduces the hospitality and tourism industry, including hotel and restaurant management, cruise ships, spas, resorts, theme parks, and other areas. Students learn about key hospitality issues, the development and management of tourist locations, event planning, marketing, and environmental issues related to leisure and travel. The course also examines some current and future trends in the field. *Participation in DECA is available and encouraged

TECHNOLOGY COURSES

The KHS Business, Marketing and Technology program offers courses in Personal Finance, Entrepreneurial Studies, DECA/Marketing Education, Business/Personal Law, Web Design, Multi-Media, Computer Applications, and Computerized Accounting. These courses are designed to help make interested students more employable in the world of Business and Finance and to prepare them for college or postsecondary education.

SPORTS AND ENTERTAINMENT ARTS – 2 semesters, 1 credit; 10, 11, 12
In Sports and Entertainment Arts, students will use marketing concepts and ideas to help promote all Varsity Kearney High School Athletic Programs, as well as to help fulfill contractual obligations with our district sponsors at athletic events, through promotions, and on social media. Game day events and in stadium production are also ran by SEA students which includes video board entertainment and on field promotion and activities. Students taking Sports and Entertainment Arts class for a year would have the opportunity to earn an MVA with a Client Connected Project (May also be taken as a fine art)

WEB DESIGN - 1 semester; 1/2 credit—10, 11, 12
This course deals with the use of web programming languages (HTML, JavaScript, etc.), graphics applications, and other web authoring tools to design, edit, launch, and maintain web sites and pages. Such topics as internet theory, web page standards, web design elements, user interfaces, special effects, navigation, and emerging web technologies will be included. Students taking Web Design class for a semester would have the opportunity to earn an MVA with a Client Connected Project.

PUBLICATIONS AND BROADCASTING

The media has always played a major role in society, but at one time access to creating the media was limited. That has changed. Now anyone with a computer can create and publish. The journalism courses help students become active, responsible participants and knowledgeable consumers.

These courses range from reporting and chronicling the year in the yearbook to helping keep the student body and community up to date on what is happening through video and the Internet on Kearney News Network. Students also get hands-on experience using hardware, software and the latest in digital technology. Students plan, design, create and produce. This gives them ownership in the final product. By solving problems, brainstorming, taking responsibility, and creating for an actual audience, students learn skills that will help them once they graduate and enter college and the job market, regardless of their career field.

ADVANCED JOURNALISM /PUBLICATIONS - 2 semesters; 1 credit--11, 12
This advanced course may be taken by students who have completed a year of Digital Scholastic Journalism, Publications, Photojournalism, Sports Broadcasting or Broadcast Journalism. Students are expected to serve as leaders on one of the above media staffs. The course allows them time to complete extra work for the respective media. Print media will emphasis advertising to help fund the publication, editing skills, organizational skills, planning skills, and refine writing, layout, headline and caption skills. Broadcasting students are geared toward the Bulldog Broadcasting Network and will serve as members of the core staff. They are expected to work 90 percent of the events broadcast by the BBN. Students will sell commercial time, produce feature packages, plan game production, and help teach new broadcast students the basic skills of a live sports broadcast. Students may also get the opportunity to create internet radio broadcasts. Class size may be limited. Prerequisite: Digital Scholastic Journalism, Publications, Photojournalism, Sports Broadcasting or Broadcast Journalism. Students must complete an application to be considered for this course. Students taking Advanced Journalism class for a year would have the opportunity to earn an MVA with a Client Connected Project. Adviser approval required.

BROADCASTING JOURNALISM - 2 semesters; 1 credit--10, 11, 12
The course provides students hands-on experience in producing KHS-TV, a daily television broadcast. Students will produce a daily five-minute broadcast, produce video packages for the broadcast, and are involved in the daily technical aspects of this live production. Emphasis is on communication skills among staff members and communication of information to the student body. Skills will focus on speaking, script writing, video camera handling, non-linear editing, interviewing, and storytelling. Students will work with digital editing and graphics programs in the

television studio and the journalism lab to create content for KHS-TV. Students are also required to work a pre-determined amount of time outside of class on the Bulldog Broadcasting Network broadcasts. Class size may be limited. Students taking Broadcasting Journalism class for a year would have the opportunity to earn an MVA with a Client Connected Project Prerequisite: Video Media or Video Production are suggested prerequisites but are not required. Application to class and adviser approval required.

DIGITAL MEDIA INTERNSHIP—JOURNALISM EMPHASIS – 2 semesters; 1 credit—11, 12
A course that prepares students for a profession-based work experience in digital media with a journalism emphasis. Topics to be covered include: client project rotation of print, radio, broadcasting and convergence journalism where students will work to solve authentic learning problems with clients/businesses; preparation for industry-ready credentials (IRCs) in Adobe software; and compilation of a portfolio and/or video reel. These topics will include mentoring and evaluations by working professionals. Prerequisite: Completion of one year Publication, Broadcast Journalism Sports Broadcasting, Digital Scholastic Media, or Photojournalism and concurrent enrollment in one of the above classes; instructor approval. Students taking Digital Media Internship class for a year would have the opportunity to earn an MVA with an Internship.

DIGITAL SCHOLASTIC JOURNALISM - 2 semesters; 1 credit, 10, 11, 12
This course provides students hands-on experience publishing the school online newsmagazine (and/or print newsmagazine). Students will practice convergence journalism—communicating the story using multiple-media platforms, including broadcast journalism, print journalism, photojournalism, social media reporting, and the web. They will apply journalistic principles throughout the newsgathering process and make decisions related to practical, legal, and ethical questions encountered during the production of a student publication. Students will be required to attend a number of extracurricular events each month and cover them for the publication. Students may be required to sell advertising and/or secure sponsorship in order to fund a print version of the publication. The course may be repeated for credit. Class size may be limited. Prerequisite: Print and Digital Media, Digital Scholastic Journalism, Digital Photography I, II or Graphic Design I, II are suggested but are not required. Students must complete an application to be considered for this course.

INTRO TO MEDIA – 1 semester; ½ credit—9
Intro to Media is a survey course designed to lay the groundwork for future journalism courses and is a prerequisite for several courses. It is an introduction to basic journalism skills, focusing on press law, ethics, reading nonfiction, interviewing, writing, basic photojournalism and videography. These journalism skills and ideas are necessities in future journalism classes as well as in the real-world job market—in journalism and beyond.

PRINT AND DIGITAL MEDIA - 1 semester; ½ credit—9
This course provides students hands-on experience publishing the junior high school online newsmagazine (and/or print newsmagazine). Students will practice convergence journalism—communicating the story using multiple-media platforms, including broadcast journalism (video), print journalism, photojournalism, social media reporting and the web. They will apply journalistic principles throughout the newsgathering process and seek answers to practical, legal, and ethical questions encountered. Students will be required to attend a number of extracurricular events each month in order to cover them for the publication. The course is writing intensive, so students should have strong written communication skills. Class size may be limited.

PHOTOJOURNALISM – 2 semesters; 1 credit; 10, 11, 12
This course provides students hands-on experience shooting photographs for The Clipper yearbook, Kearney News Network (kearneynewsnetwork.com), and the respective social media outlets for those publications, as well as developing a photojournalism portfolio built through reflection and critique. Work is done using a variety of DSLR cameras, which are available for students to check out. **Students are required to attend numerous events during and after school hours in order to capture the story of the school year.** Students may be required to sell advertising and/or secure sponsorships in order to fund the publication. May be repeated for credit. Prerequisites: Digital Photography I and/or Digital Photography II

PUBLICATIONS - 2 semesters; 1 credit—9, 10, 11, 12
The purpose of this course is to produce *The Clipper* yearbook. Students are responsible for planning, marketing, financing and creating the book, and will develop skills in the following: journalistic writing (story copy, captions and headlines), page creation and design, and photography. Digital design software and digital photography and editing will be used in the creation of the book. Individuals seeking to be members of *The Clipper* yearbook staff should possess the following traits: a desire to capture the memories of the year for history, a high level of creative, and a willingness to work with and for others. Students may be required to sell advertising. Students will be required to attend and take photographs at a number of extracurricular events each month. Class size may be limited. Prerequisite for 9th Publications: Prior yearbook class or Intro to Media; Prerequisite for 10-12 Publications: Print and Digital Media, Digital Scholastic Journalism, Digital Photography I, II or Graphic Design I, II are suggested but are not required. Application to class and adviser approval required.

SPORTS BROADCASTING – 2 semesters; 1 credit—10, 11, 12
This course serves as an introduction into the world of video making and broadcasting. Students will help tape live events for the Bulldog Broadcasting Network and produce a few videos for the school news. Students will also be learning and writing about history of films and topics in different types of films made over the years. Skills will focus on script writing, video camera handling, non-linear editing, interviewing, and storytelling. Students will work with digital editing and graphics programs. Students are also required to work a determined amount of time outside of class on the Bulldog

Broadcasting Network broadcasts. Class size may be limited. Students taking Sports Broadcasting class for a year would have the opportunity to earn an MVA with a Client Connected Project Prerequisite: Students must complete an application to be considered for this course.

VIDEO MEDIA – 1 semester; ½ credit—9
This course is designed to give students experience writing scripts, making videos and reporting on topics in an online and video media world. Students will create and edit video packages on a variety of topics and will publish their work on the school announcements show (KJH-TV), working extensively with video cameras and microphones, and video and audio editing programs like GarageBand and Final Cut Pro. This video production class introduces students to the kind of work they can expect to do in a high school video production/broadcast class. Students have the opportunity to join the Bulldog Broadcasting Network crew, broadcasting KHS athletics on ESPN 3/YouTube. Class size may be limited.

OFF-CAMPUS PRACTICAL ART

Northland Center for Advanced Professional Studies (CAPS) courses are off-campus courses that embed the student in real-world learning experiences. Course locations are specific to the strand of interest, and students must provide their own transportation to classes and related learning opportunities. See page 6 for dual/college credit courses available through NCAPS.

ENGINEERING AND ADVANCED MANUFACTURING - 1 or 2 semesters; 1.5 or 3.0 credits determined by term of participation—11, 12
This course is designed for students who are interested in engineering and manufacturing fundamentals, entrepreneurship, and innovation. They will be immersed with engineers and manufacturers using state-of-the-art tools and software to create and test 3D prototypes solving complex problems. Learners will apply lean manufacturing processes that create value for customers and drive out the waste in production. Students experience hands-on, active learning with full immersion in real-world projects sponsored by business partners like Ford Motor Company, Holland 1916, Garmin, Black & Veatch, Burns and McDonnell, Honeywell. Students work in multi-disciplinary teams to provide innovative solutions to a company's real-world problems. Engineering projects are tailored to student interest in the fields of chemical, electrical, mechanical, civil, environmental, software/computer, architectural, advanced manufacturing, robotics, biological, and environmental.

GLOBAL BUSINESS AND LOGISTICS -1 or 2 semesters; 1.5 or 3.0 credits determined by term of participation—11, 12
This course is designed for students who are interested in an ever-changing world, where business and marketing decisions must adapt to the global economy, many times resulting in global expansion of the business. Students partner with local, regional, national, and international businesses to produce marketing plans, advertising and promotional plans, customer research, social media plans, event management, and strategic plans. Students will be introduced to domestic and global business operations, economic and cultural factors, political systems, and a survey of marketing within the global economy. Students will experience working with mentors and businesses that organize, plan and manage people, facilities, and supplies. You will learn a set of skills that will allow you to effectively streamline the flow of materials, finances, and information for a company.

Want to start your own Business? Have an interest in Entrepreneurship? Have some ideas, but not sure where to start? The Northland CAPS Business Accelerator is part of the course for students looking to create products and/or businesses. The Business Accelerator provides students with the opportunity to develop a business plan, research marketing strategies and funding sources as well as begin developing your business creating that entrepreneurial mindset. If you have an interest in owning your own business, sign up for the Northland CAPS Business Accelerator through the Global Business and Logistics course.

MEDICINE AND HEALTHCARE-1 or 2 semesters; 1.5 or 3.0 credits determined by term of participation—11, 12
Medicine and Health Care course embeds students in the hospital setting, providing real world experiences in the dynamic field of medicine and healthcare. Alongside some of the region's most experienced medical professionals, students will advance their understanding of human physiology, disease process, medical terminology, patient care, professionalism, ethics, and provide an exploration of many career opportunities in healthcare. In the classroom, students will expand upon principles of human physiology through in-depth study of body systems, develop fluency in basic medical language, formulate treatment plans for patients, practice physical assessment skills, and perform patient care and life-saving procedures within a high-fidelity simulation lab.

TECHNOLOGY SOLUTIONS -1 or 2 semesters; 1.5 or 3.0 credits determined by term of participation—11, 12
This course is ideal for students who are interested in developing the professional and technical skills required to forge forward in exploring all areas of technology. Students will discover a vast array of specialty areas available in technology careers where professionals utilize technology to solve business problems and design products. Students will be immersed in a professional environment while they tackle and solve real-world problems. Learners will explore the following areas as they relate to PCs and mobile devices: software engineering, web development, operating systems, hardware technologies, network design/technologies, management information systems and emerging technologies. Students will perform real world projects for clients utilizing the expertise of diverse guest instructors, mentors and business partners, e.g. Cerner, NetStandard, Sprint, Garmin, DST and other technology companies. Strong emphasis is placed on software engineering skills such as programming methodology and problem-solving using multiple languages, algorithm design and development, data abstraction and well documented programming, testing and debugging.

TECHNOLOGY SOLUTIONS—DESIGN – 1 OR 2 semesters; 1.5 or 3.0 credits determined by term of participation—11, 12

The Digital Media and Design strand works with those creative and artistic students interested in exploring careers in Digital Media. This strand is divided into four sub strands: graphic design, digital photography, video production and audio production. Students learn the different concepts and professional skills which coincide with different professions in this field. They will deliver real products to their clients as well as creating a professional portfolio that illustrates their creative talent.

DIGITAL MEDIA INTERNSHIP—JOURNALISM EMPHASIS – 2 semesters; 1 credit—11, 12
A course that prepares students for a profession-based work experience in digital media with a journalism emphasis. Topics to be covered include: client project rotation of print, radio, broadcasting and convergence journalism where students will work to solve authentic learning problems with clients/businesses; preparation for industry-ready credentials (IRCs) in Adobe software; and compilation of a portfolio and/or video reel. These topics will include mentoring and evaluations by working professionals. Prerequisite: Completion of one-year Publication, Broadcast Journalism Sports Broadcasting, Digital Scholastic Media, or Photojournalism and concurrent enrollment in one of the above classes; instructor approval

CAREER PATHWAYS FOR THE TEACHING PROFESSION - 2 semesters for 2-hour class; 2 credits-11-12
This program focuses on the general theory and practice of learning and teaching; the basic principles of educational psychology; the art of teaching; the planning and administration of educational activities; school safety and health issues; and the social foundations of education. Instructor must have a certificate that includes grades 9-12. Students must apply to be considered for the course.

COMPUTER TECHNOLOGY INTERNSHIP – 2 semesters; 1-2 credits as scheduled—11, 12
The Computer Technology Practicum is designed for selected students to bolster their knowledge and usage of computer software and hardware. Other computer technology projects, including tech support for teachers, will be utilized to immerse students in advanced, real life technological issues and tasks. Students will report to Ryan Blankenship and/or Kearney Technology team for assignments.

KEARNEY INTERNSHIPS –2 Semesters for 2 credits—11, 12
An unpaid experience giving students the opportunity to be mentored by employers in a professional setting. The student will learn terminology applicable to the profession and the student will gain hands on skills application whenever possible. The experience includes an onboarding process followed by one day a week in class and four days a week in the internship experience.

PROJECT LEAD THE WAY

PLTW Engineering courses count as 1 practical art per course per year. PLTW Biomedical courses count for 1 science credit per year, though Principles of Biomedical Science can count as a Practical Art or a Science credit.

PLTW Pathway to Engineering	PLTW Biomedical Science
Introduction to Engineering (grades 9-12)	Principles of Biomedical Science (grades 9-12)
Principles of Engineering (grades 10-12)	Human Body Systems (grades 10-12)
Civil Engineering and Architecture (grades 11-12) AND/OR Computer Science Principles (grades 11-12)	Medical Interventions (grades 11-12) may be taken with Human Body Systems
Engineering Design and Development (grade 12)	Biomedical Innovations/Biomedical Internship (grade 12)

BIOMEDICAL INNOVATIONS/BIOMEDICAL INTERNSHIP – 2 semesters/2 classes per semester; 2 credit—12
Biomedical Innovations/Biomedical Internship is a 2-hour course for Seniors who have completed at least one Project Lead the Way (PLTW)—Biomedical Science course. First semester, students will complete the first 7 problems in the Biomedical Innovations curriculum, including Designing an Effective Emergency Room, Human Physiology, Medical Innovations, Environmental Health, Public Health, Molecular Biology, Forensic Science, and begin and Independent Project. Second semester students will participate in internship rotations at Kearney/Excelsior Springs locations and complete their independent project work for the KC Stem Senior Showcase. The course will allow students to earn dual credit through Northwest Missouri State University for Profession-Based Essentials and Work Experience. Students taking BioMedical Innovations / BioMedical Internship class for a year would have the opportunity to earn an MVA with an Internship. Prerequisite: One year of completed SAE records Prerequisite: Senior year and completed at least one PLTW Biomedical science course. Priority will be given to students who have completed the first 3 years of Biomedical PLTW courses. Course participation dependent on internship availability and administrative approval (Science Credit—also listed in science courses)

CIVIL ENGINEERING AND ARCHITECTURE – 2 semesters; 1 credit—11, 12
This course a third course option for the Engineering Pathway. Students learn important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3D architecture design software. Students taking Civil

Engineering and Architecture class for a year would have the opportunity to earn an MVA with a Client Connected Project. (Practical Art Credit)

COMPUTER SCIENCE PRINCIPLES -2 semesters; 1 credit—11, 12
The course, falling within PLTW's Pathway to Engineering, is project- and problem-based, with students working in teams to develop computational thinking and solve open-ended, practical problems that occur in the real world. The course aligns with the College Board's new CS Principles framework. The course is not a programming language course; it aims instead to develop computational thinking, to generate excitement about the field of computing, and to introduce computational tools that foster creativity. Students completing the course will be well-prepared for a first course in Java or other object-oriented language. Students taking Computer Science Principles class for a year would have the opportunity to earn an MVA with a Client Connected Project or Internship. (Math OR Practical Art Credit)

ENGINEERING DESIGN AND DEVELOPMENT—2 Semesters; 1 credit—12
In this capstone course, students work in teams to design and develop an original solution to a valid open-ended technical problem by applying the engineering design process. Students perform research to choose, validate, and justify a technical problem. After carefully defining the problem, teams design, build, and test their solutions while working closely with industry professionals who provide mentoring opportunities. Finally, student teams present and defend their original solution to an outside panel. This course is appropriate for 12th grade students. Students taking Engineering Design and Development class for a year would have the opportunity to earn an MVA with an Entrepreneurial Experience or the Capstone Project. (Practical Art Credit) Prerequisite: 2 or more PLTW Engineering courses

HUMAN BODY SYSTEMS – 2 Semester; 1 credit—10, 11, 12
Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real-world cases and often play the roles of biomedical professionals to solve medical mysteries. Prerequisite: Principles of Biomedical Science or Biology (Science Credit—Also listed in science courses)

MEDICAL INTERVENTIONS—2 Semesters; 1 credit—11, 12
Students investigate a variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the life of a fictitious family. The course is a "How-To" manual for maintaining overall health and homeostasis in the body. Students explore how to prevent and fight infection; screen and evaluate the code in human DNA; prevent, diagnose and treat cancer; and prevail when the organs of the body begin to fail. Through these scenarios, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. Prerequisite: Human Body Systems or Anatomy and Physiology (Science Credit—Also listed in science courses)

INTRODUCTION TO ENGINEERING DESIGN—2 SEMESTERS; 1 CREDIT—9, 10, 11, 12
The major focus of the IED course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards and technical documentation. Students use 3D solid modeling design software to help them design solutions to solve proposed problems and learn how to document their work and communicate solutions to peers and members of the professional community. (Practical Art Credit)

PRINCIPLES OF ENGINEERING – 2 semesters; 1 credit—10, 11, 12
This survey course exposes students to major concepts they'll encounter in a post-secondary engineering course of study. Topics include mechanisms, energy, statics, materials, and kinematics. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges, document their work and communicate solutions. (Practical Art Credit)

PRINCIPLES OF BIOMEDICAL SCIENCE – 2 semesters; 1 credit—9, 10, 11, 12
Students investigate various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They determine the factors that led to the death of a fictional person and investigate lifestyle choices and medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, medicine, and research processes. This course provides an overview of all the courses in the Biomedical Sciences program and lays the scientific foundation for subsequent courses. (Science Credit or Practical Art Credit—Also listed in science courses)

FINE ARTS

One full credit of Fine Art required. Semester and department courses may be mixed to make a credit.

MUSIC

The vocal and instrumental music department provides the opportunity for students to enrich their lives through the study and performance of music. A variety of courses are available to meet the academic and musical talents and needs of each student. The students have opportunities to grow through music performance in their school and community and travel into other communities as ambassadors of Kearney High School. Students benefit from the team-work and self-discipline necessary to participate in the performing groups.

FREQUENCY—2 semesters; 1 credit; 10, 11, 12
The Frequency Choir will be an audition ensemble which will focus on performance of the genre of contemporary a cappella music. Musical selections will range from a variety of contemporary popular genres such as Rock, Country, Rhythm and Blues, Jazz, Alternatives, Soul, Fusion, and Hip Hop. **This choir will perform at required public concerts and at Music Contests.** Prerequisite: Audition

ADVANCED INSTRUMENTAL METHODS—2 semesters; 1 credit—10, 11, 12
Students will further develop their skills by preparing for and participating in advanced performance opportunities. These may include but are not limited to district and state level performances and college scholarship auditions.

AP MUSIC THEORY ONLINE—2 semesters; 1 credit—11, 12
The Advanced Placement (AP) Music Theory course enables highly motivated students to do college level work in the areas of reading and analyzing notated music and aural training. Particular emphasis will be placed upon developing listening skills, sight singing ability and knowledge of rhythm, melody, harmony, form and other compositional devices. The successful student will be endowed with the skills necessary to function intelligently in any musical situation. The work of the course will emphasize preparation for the advanced placement music theory examination. Prerequisite: Strong understanding of musical concepts through lessons or ensemble participation

BEL CANTO - 2 semesters; 1 credit--10, 11, 12
Bel Canto is made up of 10-12 grade students, both experienced and unexperienced. The purpose of Bel Canto is to expose sopranos and alto singers to the art of choral music. As a non-auditioned group, Bel Canto is open to any interested student. **This choir will perform at required public concerts and at District Music Contest.**

CHOIR - 2 semesters; 1 credit—9
This is a performing group for 9th grade students interested in singing. This class will perform required concerts with the high school concert choir for selected concerts and festivals. **Outside of class performances are required as part of student grade.**

CHAMBER CHOIR - 2 semesters; 1 credit--10, 11, 12
These students must have either strong vocal training from the junior high program and/or have or demonstrated strong musical skills. Various styles of choral music will be learned. **Required performances are many, including regular school, community, District Music Contest, and a regular scheduled tour. Audition only.**

JAZZ BAND – 2 semesters; 1 credit—10, 11, 12
This band rehearses and performs a variety of jazz styles. Some of the areas covered will be improvisation, jazz articulation, and jazz history (including listening to recording examples). Band will perform at concerts and contests throughout the years. Attendance at these functions will be mandatory. Prerequisite: Audition and must be in Marching Band/Concert Band (exceptions for instruments not taught in band)

MARCHING/CONCERT BAND - 2 semesters; 1 credit--10, 11, 12
This class is open to all experienced woodwind, brass, and percussion students. The band performs at home football games, parades, contests, and concerts. **Performances are required.** Class emphasis is on increasing playing skills and musical knowledge.

TENOR / BASS CHOIR- 2 semesters; 1 credit--10, 11, 12
The Tenor / Bass Ensemble is made up of 10-12 grade students, both experienced and unexperienced. The purpose of this choir is to expose Tenor and Bass singers to the art of choral music. As a non-auditioned group, the Tenor / Bass Choir is open to any interested student. **This choir will perform at required public concerts and at District Music Contest.**

9th GRADE BAND - 2 semesters; 1 credit--9
This class is open to 9th grade woodwind, brass, and percussion students who have received training in junior high. The band performs at parades, contests and concerts. **Performances are required**. Class emphasis is on increasing playing skills and musical knowledge.

ART

The art department views art education as vital to the physical, mental, emotional, social, and intellectual development of each student. Consequently, the art program reflects a variety of interests and skills. The visual arts program promotes art as a form of communication. Students are encouraged to use acquired skills for creative problem solving and self-expression. Throughout the program an art vocabulary is introduced for each subject. Aesthetic growth, a wide range of experiences with various media, and contemporary artists are an integral part of the program.

ADVANCED DIGITAL ARTS- 1 semester, ½ credit
Advanced Digitals Arts is class available to students who have taken both Graphic Design I and II, and or Digital Photography I and II. Students will work with real clients utilizing Digital Photography or Graphic Design to learn advanced skills in digital arts. On campus client design work or traveling internships will be arranged for students in this class. Students may sign up for one or two semesters of Advanced Digital Arts. Prerequisites: Graphic Design I & II or Photo I & II This class would give a third level to both programs of studies. Students taking the Advanced Digital Arts class for a full year would have the opportunity to earn an MVA with an Internship. Prerequisite: Graphic Design I & II or Photo I & II

ART I- 1 semester; ½ credit--9, 10, 11, 12
This course will introduce students to basic knowledge as it relates to various art media. Activities will include projects in such two-dimensional media as drawing, painting, design and

calligraphy. Three-dimensional work will be done in either ceramics, sculpture or textiles. In this course a special emphasis will be placed on developing and improving the student's skills in observation. The student will learn to visually interpret what they see in the form of drawing.

ART II--1 semester; ½ credit—10, 11, 12
Art II is focused on further advancing the student's observation and drawing skills while providing an opportunity to try a wider range of materials and techniques. Students will also learn techniques to create mood and meaning while creating work based on their interest. Pre-requisite: Art I

ART III--1 semester; ½ credit—10, 11, 12
Art III is an advanced art course focusing on the application of wet media, which may include acrylic, watercolor, and/or oil-based paints, inks, and dyes. A variety of painting techniques and experiences along with guidance on color mixing will bring student artistic interest and talent full circle. Prerequisite: Art II

CERAMICS I - 1 semester; ½ credit--10, 11, 12
This course will cover the basic forming methods of hand building ceramics, pinch coil, slab, and wheel throwing. Glazing techniques will be used to finish best creations.

CERAMICS II - 1 semester; ½ credit--10, 11, 12
This is a continuation of Ceramics I with an emphasis on more advanced techniques and forms.
Prerequisite: Ceramics I

DIGITAL PHOTOGRAPHY I – 1semester; ½ credit—10, 11, 12
The course emphasis will be placed on the student's understanding and appreciation of what standards are needed for good digital photographs. This class will be a journey through the fundamental elements, techniques and application of camera-based image making while introducing students to the basic appropriate software programs.

DIGITAL PHOTOGRAPHY II – 1 semester; ½ credit—10, 11, 12
In this course students will build upon the techniques, skills, and principles of digital photography covered in Digital Photography I while utilizing and continuing their knowledge of photography software. Students will get a deeper understanding of the conceptual applications of photography while using essential and advanced photo editing concepts and operations to manipulate, restore, retouch, and enhance a variety of images. Prerequisite: Digital Photography I

GRAPHIC DESIGN I – 1 semester; ½ credit—9, 10, 11, 12
This course introduces students to graphic design as a form of visual art and communication through the use of typography, images, forms, and colors. Students develop the confidence of the basic principles required to solve graphic design problems by using appropriate software programs. Students will learn to think critically, make aesthetic judgments, and become familiar with a variety of tools and techniques used to produce professional work in the fields of graphic design, advertising, and illustration. Students taking Graphic Design I class for a would have the opportunity to earn an MVA with a Client Connected Project.

GRAPHIC DESIGN II – 1 semester; ½ credit—9, 10, 11, 12
This course will build upon the techniques, skills, and principals of graphic design learned in Graphic Design I while utilizing and continuing their knowledge of software used in Graphic Design I. Student will use Adobe Photoshop to create a variety of Graphic Design Projects for real clients giving students a chance to earn hours in client connected projects, which count towards an MVA. Prerequisite: Graphic Design I

SPORTS AND ENTERTAINMENT ARTS – 2, 1 credit; 10, 11, 12
In Sports and Entertainment Arts, students will use marketing concepts and ideas to help promote all Varsity Kearney High School Athletic Programs, as well as to help fulfill contractual obligations with our district sponsors at athletic events, through promotions, and on social media. Game day events and in stadium production are also ran by SEA students which includes video board entertainment and on field promotion and activities. SEA may be taken multiple times. Students who take SEA for a full year have the opportunity to earn an MVA with Client Connected Projects. SEA may count as a fine art or practical art credit.

PERFORMING ART

COMPETITIVE DRAMA – 2 semesters; 1 credit—10, 11, 12
This class will cover literature selection, character development, performance. The student will be expected to perform in monologues, duet/duo scenes, dramatic literature, and humorous literature. Students will be expected to compete inter-scholastically.

DRAMA - 2 semesters; 1 credit—10, 11, 12
This course focuses on four areas of drama—understanding, interpreting, appreciating, and producing drama. Students will study the history of drama and various styles of playwrights. Students will be expected to work on dramatic productions of the school, either as actor/actress or crew member. This will include designing and building sets. **Each student will need to be available for rehearsals and crew meetings.** Exams and projects will also be used to evaluate student learning. Students may take this course consecutive years.

PHYSICAL EDUCATION

One full credit of Physical Education required. ½ credit Health OR Nutrition and Wellness required in addition to 1 full Physical Education credit.

The objective of physical education is to contribute to the physical, mental, emotional and social development of the students through participation in a variety of physical activities. The program is organized so that students have the opportunity to participate in the class of their interest.

ADVANCED WEIGHT TRAINING-1-2 semesters; ½ credit per semester—10, 11, 12

This is an extremely high intense course designed to meet the needs of highly motivated students. Areas of physical fitness that will be stressed include flexibility, core strength, muscular strength and endurance, cardiovascular endurance and body composition. Students should expect to work extremely hard and see significant increases in strength, flexibility and aerobic conditioning. This course will include stretching, lifting, sprinting, jogging, rope jumping, plyometrics, anaerobic conditioning and aerobic conditioning.
Pre-Requisite -- 80% of summer at Kearney High School. Once a student is enrolled into advanced weight training they don't have to attend the required number of summer workouts.

BEGINNING WEIGHT TRAINING – 2 semesters; 1 credit--9
This course is designed for students to be introduced to weight training at a basic level. Students will gain an understanding of proper weight training techniques by performing body weight, resistance bands, and light weight exercises. Low weight/high rep workouts will be performed as a total body emphasis. Agility and Core exercises will also be taught and performed.

GIRLS AND BOYS PHYSICAL EDUCATION - 2 semesters; 1 credit--9
Ninth girls and ninth boys-- The physical education program is designed to give each student who participates a working knowledge of his/her body and individual and team sports. Some activities include softball, croquet, frisbee, volleyball, basketball, table tennis, track, bowling, aerobics, soccer, physical fitness, weightlifting and archery.

HEALTH - 1 semester; ½ credit--10
This class is designed to give students an awareness to be health literate. Function of human body systems will be reviewed. Health components such as personal health habits, nutrition, and stress management will be studied. Prevention and control of disease will be covered. Health risk factors such as violence and substance abuse will be examined. Students will be able to develop a fitness program, cover mental illnesses, and be aware of the media in today's society. Students will be able to develop a Public Service Announcement and gain more knowledge about the Food and Drug Administration. We will also cover various types of cancer and causes, different genres of drugs and the effects on the human body as well as society, prescription drugs, and the effects of alcohol. Also available as a blended course.

HEALTH ONLINE—1 semester; ½ credit—10
The online curriculum will be divided into three major units; Functions and Relationships of Body Systems, Health Maintenance, and Risk Assessment and Reduction. Each of these will be broken into roughly six week units involving discussion, experimentation, research, and projects. For On-Line courses the teacher will communicate with the student using the student's school email address. *NOTE: All online courses must meet a minimum student enrollment, even after course changes are completed, to be allowed to continue as a course option in student schedules.*

MEN'S LIFETIME FITNESS - 1-2 semesters; 1/2 credit per semester—10, 11, 12
This course is designed for the individual who is interested in lifetime fitness activities. Some of the units covered are soccer, flag football, softball, tennis, basketball, volleyball, team handball, pickle ball, and other fitness activities.

TEAM SPORTS- 1 semester, ½ credit-10,11,12
Team Sports would include: Volleyball, Basketball, Soccer, Slow Pitch Softball, Flag Football

WEIGHT TRAINING - 1-2 semesters; ½ credit per semester—9, 10, 11, 12
Weight Training -- This course is designed to teach the proper lifting techniques by advancing through the progression of each lift. Students begin with light weight and progress as they learn the proper technique of each lift. Areas of physical fitness that will be taught include flexibility, core strength, muscular strength and endurance and cardiovascular endurance. Pre-Requisite – 10-12 Open Enrollment. 9th Grade students must attend 80% of summer workouts to be allowed into 9th grade weight training.

WOMEN'S LIFETIME FITNESS – 1-2 semesters; ½ credit per semester—10, 11, 12
Students will learn and participate in physical activity such as various cardio work outs, yoga, and dance. The course will also incorporate lifetime individual and team sports that promote lifetime physical activity.

ELECTIVES

A+ TUTORING/MENTORING – 1 semester; 1/2 credit—11, 12
This course is for students who would like to acquire their tutoring hours for A+ certification during the school day. Students must have reliable transportation and attend their tutoring assignments daily. Tutoring logs are required to be submitted bi-weekly and must be signed by the supervisory teacher along with a description of activities performed for the day. Tutoring assignments are available at the elementary schools, middle school, and junior high school in the Kearney School District only. Students will be assigned by the A+ coordinator prior to the start of the semester. Students must meet the following prerequisites prior to enrolling in the class.

- 2.5 Cumulative GPA
- 95% Cumulative attendance
- Score Proficient or Advanced on the Algebra 1 EOC exam
- Maintain a record of good citizenship and avoid the use of alcohol or unlawful drugs while in grades 9-12.

LEADERSHP – 2 Semesters; 1 credit—9, 10, 11, 12
This course provides opportunities to study practice and develop group and individual leadership and organizational skills. These skills include: communication skills, leadership, organizational and managerial skills, decision-making skills, group process and understanding the need for civic responsibility. Students enrolled in the course will apply these skills in dealing with peers, school administration and the community. This course is available to all high school and may be taken more than one year/semester. It is recommended

members of student council elect to take this class to support projects and build leadership skills.

LIBRARY SCIENCE - 2 semesters; 1 credit--11, 12
This class is designed to give the student actual experience in the daily operation of the library. Students will help patrons of the library with research and locating books. Students will help provide supplemental teaching materials for teachers as needed. This is a performance-based class where attendance is very important.
Prerequisite: Application and approval of librarian

OFFICE PRACTICUM - 2 semesters; 1 credit--9, 11, 12
This course is a practical experience in working in school offices. Responsibilities will vary according to which office the practicum is in but may include: greeting visitors, answering telephones, typing, filing, using copying machines, delivering messages, sending passes for students, sorting mail and other duties necessary to run the offices efficiently. Good attendance is crucial.
Prerequisite: Application and approval of counselors, principals, and athletic director

READING AND STUDY STRATEGIES 9—2 semesters; 1 credit--9
The Reading and Study Strategies class will serve as an extra resource to help students be successful. Changes will be made to fit the needs of the students in the class. Students enrolled in this class will use Compass Learning software for their personalized learning needs. The goal is for all students in this class to grow academically. Time will also be given for students to work on their school work, study for tests, etc. Students will be allowed to tutor each other and/or get help from me (depending on the assignment).

STUDY HALL -1 or 2 semesters; 0 credit--11, 12
The student should bring work to do daily on at least two different subjects. This is a time the teacher can help a student on trouble spots in certain subjects. The students will be expected to take a serious approach to studying during this time.
Prerequisite: Students must be taking at least 1 dual credit/AP classes or 4 core classes, or administrative approval
Core classes are considered:
Language Arts, Mathematics, Social Studies, Science, Foreign Language

SENIOR 5TH HOUR STUDY HALL—1 or 2 semesters; 0 credit--12
This course requires an application and administrative approval.

TRANSITIONAL RESOURCE - 2 semesters; 1 credit—9, 10, 11, 12
Resource is a special services class in which students receive differentiated instruction on classroom assignments, individualized goal instruction, and vocational and transition assessments to assist with determining post-secondary plans. Students must be selected by administration to enroll in this course.

CAREER EDUCATION

EXCELSIOR SPRINGS AREA CAREER CENTER and NORTHLAND CAREER CENTER
Students may participate in a variety of career education programs offered at the career centers beginning their junior year. Students receive 3 credits of practical arts for each course. Due to travel time students must also take a study hall. These courses require an application. Application for the course does not guarantee the course will be part of the student's schedule. Courses are specific to school locations, and students attending Northland Career Center must provide their own transportation to Platte City for classes.

EXCELSIOR SPRINGS AREA CAREER CENTER
The ESACC courses offer students the opportunity to earn both credentials and articulated credit. A credential is a qualification that is used to indicate student is suitable for an employment opportunity. Articulated credit is specific to schools as listed below and awarded when ESACC course content is similar to what is taught in the college or technical course. Students must meet the criteria to be awarded articulated credit.

AUTOMOTIVE TECHNOLOGY I - 2 semesters; 3 credits - 11, 12
The Automotive Technology course is certified by ASE (Automotive Service of Excellence) as a maintenance and light repair program. This assures that the curriculum follows the stringent standards identified by NATEF (National Automotive Technicians Education Foundation). Program content follows the ASE areas of Electrical/Electronics, Brakes, Steering/Suspension, Engine Repair and Engine Performance. The program emphasizes the development of appropriate work habits and attitudes, leadership, interpersonal communications and teamwork skills as well as the technical skill necessary for employment. Classroom study utilizes hands-on training on the latest state-of-the-art test equipment in the automotive field.

AUTOMOTIVE TECHNOLOGY II—2 semesters; 3 credits – 12
This course is a continuation of Auto Technology I.
Credential Available: ASE Maintenance and Light Repair

BUILDING TRADES I - 2 semesters; 3 credits - 11, 12
This course covers the step-by-step procedure of building a house or similar building. The class will complete the building during the year as part of the curriculum. Realistic work experience is provided under the supervision of a qualified instructor. Students will gain valuable hands-on experience that will allow them to transfer directly into the construction trades or continue toward apprenticeships and higher education. Numerous opportunities are available every year on real job-site projects, as well as internships during senior year. Students may receive OSHA authorized 10-hour construction safety cards.
Credential Available: OSHA 10

BUILDING TRADES II—2 semesters; 3 credits – 12
This course is a continuation of Building Trades I
Prerequisite: Building Trades I
Credential Available: NCCER Carpentry I and OSHA 10

COMPUTER SUPPORT I – 2 semesters; 3 credits - 11, 12
Students discover the inner workings of personal computers (PC) and will be trained as computer service technicians. A broad range of hardware and software technologies are covered including general safety, installation, upgrading, configuration, diagnosing, preventive maintenance, basic networking, and mobile devices. Operating systems introduced to students are Microsoft Windows Vista, 7, and 8. Successful completion of these competencies will prepare students for the CompTIA A+ certification.
Credential Available: Comp TIA A+

COMPUTER SUPPORT II—2 semesters; 3 credits – 12
An optional second year of the program will enhance personal computer skills through an internship program and student-led repair shop. Students will repair customer computers and earn an industry recognized credential by taking CompTIA A+ certification exam. Other certification options, including Cisco CCNA networking, Apple computer repair, and Web development, will be considered.

DIGITAL MEDIA/3D ANIMATION—2 semesters; 3 credits-11, 12
Digital Media/3D Animation I is designed for students who have interest in computers, business, art and design. A&M introduces students to interactive media products and services, which includes the gaming and entertainment industries. This course will allow students to have experiences in various software programs involved in 3D animation, graphic design, and multimedia presentations. Students will also explore the role of contemporary marketing and design. Students will be required to develop a dynamic portfolio.

DIGITAL MEDIA/3D ANIMATION II—2 semesters; 3 credits – 12
Students who successfully complete Digital Media/3D Animation I their junior year have the option of enrolling in Digital Media/3D Animation II their senior year. Digital Media/3D Animation II will allow students to build on what they learned in Digital Media/3D Animation I by specializing in one or more areas they are interested in. Areas in which students can specialize in include Animation, Graphic Design and Multimedia Presentation. Students will be working with Adobe programs such as Illustrator, Photoshop, Premier Pro, After Effects, Cinema 4D and others to complete authentic projects for clientele including community organizations, local businesses, and/or school organizations. Students will add these authentic projects to their portfolio from Digital Media/3D Animation I and have the opportunity to earn an Industry Recognized Credential (IRC).
Credential Available: Adobe Certification

ELECTRICAL TRADES I – 2 semesters; 3 credits—11, 12
This course is designed to introduce the students into the world of electrical construction. Residential, commercial, and telecommunication areas of the electrical industry are covered. There is an emphasis on green energy technologies, with a solar panel and EV charging station on site. Students will gain valuable hands-on experience that will allow them to transfer directly into the electrical field, or continue toward apprenticeships and higher education. Numerous opportunities are available every year on real job-site projects, as well as internships during senior year. Students become OSHA 10 certified and earn NCCER electrical industry certification.
Credential Available: OSHA 10

ELECTRICAL TRADES II—2 Semesters; 3 credits – 12
This course is a continuation of Electrical Trades I
Prerequisite:
Electrical Trades I
Credential Available: NCCER Electrical I

EMT—2 semesters; 3 credits--12
This course will provide training in emergency care knowledge and skills to persons responding to an emergency incident. Students will receive both didactic and psychomotor skills training in patient assessment and management of medical and trauma conditions and CPR. This program consists of lectures, labs, clinical rotations and ride time. Upon completion of this course, the student will receive a certificate of completion and be able to test for the National Registry of Emergency Medical Technician-Basic.
Prerequisite:
Students must be 17 (18 preferred) by the date the class ends which would be May 1st of the year they are enrolled in the class. A student may not test until the class has ended. Once the student has successfully completed all practical and written exams for NREMT certification, the student will be able to apply for a Missouri state license.
Credential Available: EMT--Basic

FIREFIGHTER I AND II-2 semesters; 3 credits—11, 12 (Must be 17 by May 1, 2014 to enroll)
The Fire Fighter I & II/Fire Science program is designed to prepare participants for occupations and advancement in fire service. Content includes fire suppression, fire investigation, fire prevention, emergency and rescue services, hazardous materials, emergency response, and coordination with other agencies. This course is both a physical and knowledge demanding course.
Upon successful completion of this course the student will have received training for certification as a Firefighter I & II, Hazardous Materials Awareness & Operations and will allow the student to be eligible for testing as a Firefighter through the Missouri Division of Fire Safety.
Prerequisite:
Students must be 17 the date the class ends which would be May 1st of the year they are enrolled in the class. A student may not test until the class has ended. Once the student has successfully completed all practical and written exams for DFS certification, the results have a shelf life of only one year.
Credential Available: Firefighter I and II

HEALTH SERVICES ASSISTANT - 2 semesters; 3 credits – 11, 12
Students study structure and function of the human body, medical terminology, communication and management,

interpersonal relationships, and preparation for employment in a health services career. Students will spend time in the laboratory learning procedures and competencies that will be used during the clinical periods. Clinical hours are spent in a long-term care facility working to meet their Certified Nurses Aid (CNA) requirements. Students will also acquire the knowledge and skill for Health Provider CPR through the American Heart Association. The course lays the groundwork for acceptance into licensed vocational nurse (LVN), licensed practical nurse (LPN), or registered nurse (RN) programs.
Credential Available: Certified Nursing Assistant

HEATING, VENTILATION, AND AIR CONDITIONING I AND II--2 semesters; 3 credits - 11, 12
Students will have the opportunity to learn about fundamentals of heating, air conditioning, refrigeration, electricity, tubing operations, and troubleshooting. Students will participate in simulated installation in the lab or actual installation on the job/project site. Students will practice brazing copper tubing and soldering wires using torches. Students will also complete a 10-hour OSHA authorized safety course and receive a 10-hour safety certification if all safety course components are successfully completed. Upon completion of the course, students have the opportunity to take the EPA certification test. Students will be equipped with industry recognized credentials (IRCs) to further their training on the job or at a post-secondary institution.
Credential Available: OSHA 10, and EPA

HEATING, VENTILATION, AND AIR CONDITIONING II--2 semesters; 3 credits - 12
This course is a continuation of Heating, Ventilation and Air Conditioning I. HVAC II students will practice more advanced skills and prepare for entry-level HVAC service and/or installation. Students will take on leadership roles and assist HVAC I students master first-year skills. Students will also complete a 10-hour OSHA authorized safety course and receive a 10-hour safety certification if all safety course components are successfully completed. Upon completion of the course, students have the opportunity to take the EPA certification test. Students will be equipped with industry recognized credentials (IRCs) to further their training on the job or at a post-secondary institution.
Prerequisite:
Math and Science background
Credential Available: NCCER HVAC I

Articulated Credit for Excelsior Springs Area Career Center Program Completers 2022-2023
Through Articulation agreements with the colleges listed below, ESACC students have the opportunity to earn advanced standing articulated credit. The following programs have been approved for articulated credit with the specified colleges. Information is as approved by 11/15/2020

Post-Secondary Institution	Student Eligibility Criteria
Metropolitan Community College	Automotive Technology; EMT-Basic
North Central Missouri College	Automotive Technology; Building Trades; Electrical Trades; HVAC
State Technical College	Computer Support; Electrical Trades
Ozark Technical College	3D Media/Animation; Building Trades; Computer Support; Electrical Trades; EMT-Basic; Fire Fighter I and II; Health Services; HVAC

NORTHLAND CAREER CENTER

Aviation Technology - Drones (Unmanned Aircraft Systems) and Structure of the Airplane (Class rotates AM/PM sessions each year). For example, students enrolled as juniors in the AM will stay in the AM class the following year to take Avionics/Hydraulics/General/Flight Control/Aerodynamics. 2022-2023 school year Drones and Structure of the Plane class is offered in the AM. - Grade: 11,12
Instruction will include basic concepts in aircraft blueprints/drawings, structure/composition, corrosion, aircraft sheet metal, safety and human factors, and navigation. Students will also study the aerodynamics and performance of flying an Unmanned Aircraft in order to earn their USI Safety Certification. This program prepares students for continued education towards an Associate's Degree and/or an Airframe and Powerplant Certification. Students may also enter immediate employment following their two-year program. Internship opportunities their 2nd semester of their senior year is available for qualified candidates.

Aviation Technology - Avionics/Hydraulics/Flight Control/Aerodynamics. 2022-2023 school year this class is offered in the PM. - Grade: 12
Instruction will include safety/human factors (OSHA Certification), aerodynamics, flight line safety and procedures, flight controls, avionics/electrical (NC3 Multimeter Certification), hydraulics, engines, and fuel. This program prepares students for continued education towards an Associate's Degree and/or an Airframe and Powerplant Certification. Students may also enter immediate employment following their two-year program. Internship opportunities their 2nd semester of their senior year are available for qualified candidates.

Construction Technology I - Grade: 11, 12
This program is competency based and teaches skills and theory related to the building trades industry. Areas of study include framing, leveling, blueprint reading, building plans, specifications and codes, footings and foundations, and sheetrock hanging. Each student must pass a safety test to work around hand and power tools. Students are required to provide their own boots and clothing for working in hot and cold weather.

Construction Technology II - Grade: 12
The program provides advanced instruction on the construction of a building which may include areas mentioned in Construction Technology I, as well as, rough framing,

grading and measuring lumber, safety, and scaffolding work. Some commercial construction will be introduced including the use of metal studs and the differences in building codes and techniques. The completion of Construction Technology II will provide opportunities for employment in residential or commercial construction.

CULINARY ARTS I - Grade: 11,12
The focus of study will be food service terminology, equipment identification and use, knife skills, basic food preparation, sanitation and safety. These skills and knowledge will lead to preparation methods for stocks, soups and sauces. Students will receive hands-on experience through assuming the role of steward (pot/dishwasher) and cooks' helper in the pre-preparation of meals. An understanding of multiplication, division, addition and subtraction of fractions and decimals, percents, and volume and weight measurement is essential.

CULINARY ARTS II - Grade: 12
Students will continue to gain hands-on experience with the preparation of daily meals consumed by students, staff and guests. Emphasis will be on plate presentations, preparation and timing. Breakfast cookery, vegetables, starches and meats will be the focus of class work. Students will complete a nationally recognized sanitation exam. Successful completion of this course will prepare students for entry-level positions in full-service restaurants, hotels and continued education in a Culinary Apprenticeship program at the post-secondary level.

DIESEL TECHNOLOGY – Medium/Heavy Duty Truck Systems (Class rotates AM/PM sessions each year). For example, students enrolled as juniors in the AM will stay in the AM class the following year to take Engines and Electrical/Electronic Systems. 2022-2023 school year Medium/Heavy Duty Truck Systems class is offered in the PM.
Grade: 11,12
Instruction includes a study of troubleshooting and tune-up procedures. Powertrains, air and hydraulic brakes, basic hydraulics, steering and suspension systems are included in this course. An introduction to welding and automotive air conditioning basic theory helps round out the students' knowledge.

DIESEL TECHNOLOGY – Engines and Electrical/Electronic Systems (Class rotates AM/PM sessions each year). 2022-2023 school year Engines and Electrical/Electronic Systems class is offered in the AM. Grade: 11,12
Instruction will include a basic concept of diesel engine theory, general shop safety practices, basic hand tools, common fasteners, shop equipment, precision measuring devices, and identifying, assembling and reassembling component parts. Introduction to various fuel systems, cooling systems, lubricating systems, failure analysis, preventative maintenance and electrical systems are studied and related activities performed.

INDUSTRIAL WELDING I - Grade: 11
The program covers basic competencies and skills in flame cutting, fusion welding, oxygen-acetylene and shielded metal arc welding on carbon steel. Safety, blueprint reading and terminology are also included to help students gain a foundation for entry-level employment.

INDUSTRIAL WELDING II - Grade: 12
Competencies and skills in fabrication techniques, advanced shielded metal arc welding, plasma arc cutting and gas tungsten arc welding on carbon steel, aluminum, and stainless steel are covered. Further study of blueprint reading, welding symbols and basic metallurgy will prepare students for the AWS (American Welding Society) certification test which is administered annually.
INDUSTRIAL WELDING One-Year Certificate - Grade: 12
Emphasis will be placed on specific welds, welding symbols, and basic metallurgy related to the needs of the industry at that time. Specific areas of study will be determined between the student and the instructor at the beginning of the school year

KC Tech Academy - Electrical and Fanuc Industrial Robotics - Grade: 11, 12
This program allows students to earn dual credit towards an Associate's Degree and/or certification in a variety of areas related to the modern automated manufacturing industry. Students will learn the fundamentals of AC/DC electrical circuits and evolve through more advanced motor controls. Throughout the year, students will also cover complex troubleshooting, schematics, industrial blueprints, ladder logic, manufacturing 4.0 safety fundamentals, print reading, quality practices, and precision measurement.

KC Tech Academy – Mechanical Power Systems, pneumatics/Hydraulics and Faunuc Industrial Robots. Grade 11, 12.
Students will learn cutting-edge technology in the automated manufacturing industry. Students will go in-depth into manufacturing processes and controls of robotics, lean manufacturing, fluid power (hydraulics and pneumatics), rigging, mechanical principles and power systems, lean concepts, and machine tooling to name a few. Students may earn their Certified Production Technician

Law Enforcement/Crime Scene Investigation I - Grade: 11, 12
LE/CSI provides an introduction to the criminal justice system with emphasis on crime scene investigation. Topics covered are crime scene investigation and traffic crash reconstruction, professional ethics and leadership, US Constitutional Law, Police Sciences and Missouri Criminal Code. The class is designed for those interested in pursuing careers in law, public safety, corrections, security, and crime scene investigation.

Law Enforcement/Crime Scene Investigation II - Grade: 12
LE/CSI II provides second-year students with a more in depth understanding of the criminal justice system and how it is applied to the everyday work force with an emphasis on criminal Justice. Students will learn US Constitutional Law and its applications to the criminal justice system as a social rule.