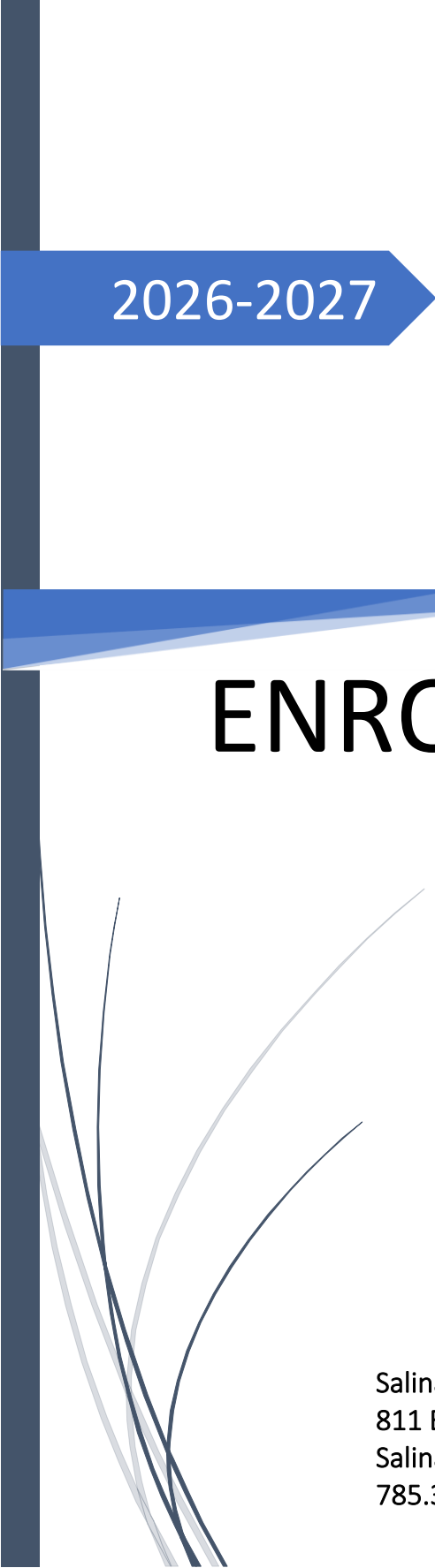


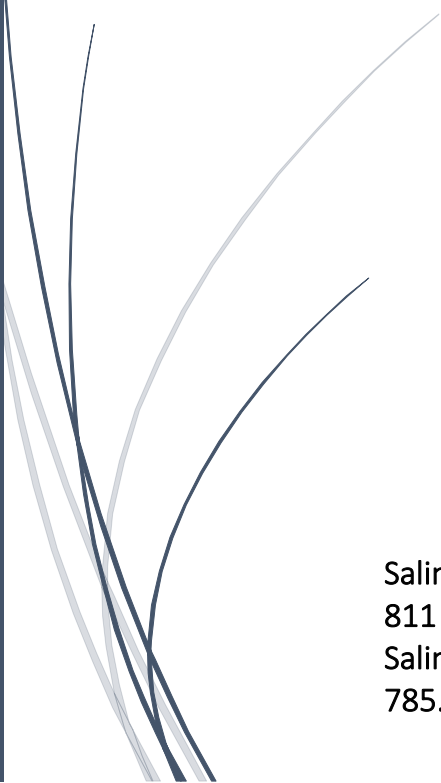
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2026-2027

Salina Virtual Innovation Academy

ENROLLMENT GUIDE

GRADES 9 - 12

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Salina Virtual Innovation Academy
811 E Iron
Salina, KS 67401
785.309.4369



**SALINA VIRTUAL
INNOVATION
ACADEMY**

**At SVIA WE "C" You!
A SVIA Student Can...**

COMMIT

- Manage a School Schedule
- Try
- Persevere through Challenges

CO-OPERATE

- Work as a Team
- Be an Active Learner
- Set Goals and Make a Plan
- Reach Academic Success

COMMUNICATE

- Ask Questions
- Keep Appointments
- Check Email / Feedback
and Respond

CONNECT

- Engage Positively with Others
- Be Involved in Their School
- Be Open to Others' Perspectives

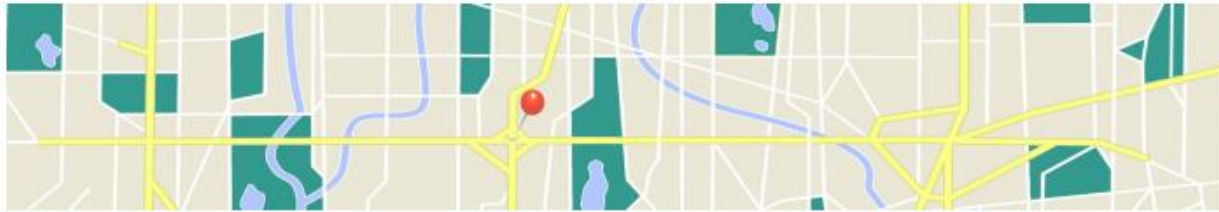
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SALINA VIRTUAL INNOVATION ACADEMY

School Directory:

 Salina Virtual Innovation Academy (SVIA) 811 E. Iron Salina, KS 67401 785.309.4369 FAX: 785.309.4311		
Principal	Julie Falcon	785.309.4369
Teacher, Math/Science	Gloria Johnson	785.309.4373
Teacher, Social Science	Alan Randles	785.309.4370
Teacher, Elective courses	Gloria Johnson	785.309.4373
	Alan Randles	785.309.4370
SPED Coordinator	Jeannie Hrabe	785.309.5134
Teacher, SPED	TBA	TBA
Administrative Assistant	Melanie Stavropoulos	785.309.4375



Individual Plans of Study: An Overview for Families

Dear Students and Parents,

We invite students and parents to be a part of the student's journey to future success by participating in the design of their **Individualized Plan of Study (IPS)**.

USD 305 high schools utilize a program called Xello to help students, parents, and counselors organize students' interests, achievements, and future goals. **Xello, or the IPS, is also used to help plan what courses students will take during high school.** To obtain access to your student's Xello plan, please ask your student to invite you using your email address so that you may set up a parent account linked to your student's account or email your student's counselor.

No matter what the final destination of success looks like, every student will need a plan. With the support of school staff and the parent/guardian, students have many important decisions to make before, during, and after high school. We encourage our students to engage in purposeful exploration and career planning when creating a flexible plan for future success.

Kansas Dept. of Education and IPS Info:

https://www.ksde.org/Portals/0/CSAS/CSAS%20Home/Plan_Of_Study/Family%20IPS%20Resource.pdf?ver=2016-09-15-160508-253

SUPPORT:

If you need additional support, please call Melanie Hammond, Career and Technical Education Coordinator, at 785-309-4671, or email her at Melanie.Hammond@usd305.com.

SVIA Official Count Days:

The Kansas State Department of Education (KSDE) requires all accredited public schools to verify the number of students attending school (as required by state law) and actively progressing in their courses.

The State of Kansas requires students to be actively learning a minimum of 360 total minutes (6 hours) within one day.

For funding purposes, Kansas virtual students must attend at least two days to be included in the district's virtual student count.

- There has to be at least one documented 6-hour day online from the first day of school to September 18th.
- AND, there is another window from September 21nd through October 2 where a student must also have documented one, online 6-hour day.

SVIA has scheduled two mandatory online attendance days of six (6) hours each day (from 12am-12pm). Please see the calendar for these scheduled dates. SVIA students are expected to log six (6) online hours on these scheduled dates.

Also, when requested, students must sign and return the Kansas State Department of Education Academic Activity Log (to account for any offline study time) for each of the required days and submit them to the SVIA office at the time specified.

Maximum Age to Enroll:

The maximum enrollment age of a student is determined by state law. In Kansas, the maximum age to enroll is eighteen (18) years of age on or before September 20th, with some exceptions. Maximum age limits also apply to students who choose to re-enroll. For more information regarding the maximum enrollment age and exceptions, please contact the school.

Mandatory State and District Assessments:

All students in grades 6-8, and selected high school grade levels (historically 10th and 11th grade), must participate in the Kansas Assessment Program. State testing sessions will be scheduled during the Spring semester. Testing dates will be announced later in the school year; students must plan to be in attendance. All testing is mandated by the State of Kansas. Parents/guardians are responsible for transporting their student to the testing location.

In addition, students are required to participate in other district assessments which are scheduled throughout the school year. Parents/guardians are responsible for transporting their student.

Release of High School Educational Records:

SVIA will provide educational records, including official high school transcripts, test scores, and letters of recommendation to third parties such as postsecondary institutions, scholarship committees and/or potential employers, **only with completion of the Transcript Request Authorization Form** signed by parent/guardian, or by the student if they are 18 or older or an emancipated minor.

In order to ensure that application deadlines are successfully met, we require advance notice of at least five working days for a request to provide educational records to students, parents and/or third parties. We require ten working days' notice for letters of recommendation.

A transcript request should be made using the Transcript-Records Release Authorization Form. This form is available on our website, <https://www.305virtual.com>.

High School College Credit Options:

The dual enrollment program is defined as the enrollment of eligible secondary students in a postsecondary course creditable toward both high school completion and an associate degree or a career and technical certificate. Interested students should discuss this option with the SVIA principal. In such a case of dual enrollment, the student is considered a part-time SVIA student and a part-time student at the partnering onsite school.

SVIA will grant requests for dual enrollment on a case-by-case basis. Parents/guardians must submit a request to SVIA administration prior to the school year in order for dual enrollment to be approved. Written approval will be required from SVIA and the partnering school. Students in a dual enrollment program must earn passing grades at both SVIA and the partnering school to continue participation in the program.

KSHSAA Eligibility for Students Attending Virtual Schools:

SVIA students will be eligible for activities at the public schools in the district and attendance area in which they reside. If the student desires participation in music, debate or speech activities, they must be enrolled and attending that academic course at the school. The student must meet the eligibility requirements of the district and KSHSAA. This includes the completion, submission and approval of the KSHSAA Eligibility Application. Go to: www.KSHSAA.org/react/NP-eligibility/login to establish an account and submit the necessary application materials – including a pre-participation physical dated after May 1.

Nonresident SVIA students are encouraged to visit with the public school in the district and attendance area where they reside to understand expectations for KSHSAA activity participation in the district where they reside.

Students who are not enrolled full-time at Salina Virtual Innovation Academy and students who return to the comprehensive high school will be required to meet the USD 305 graduation requirements of 24 credits.

ENROLLMENT, WITHDRAWAL & TRANSFERS

Application Process:

Visit the Salina Virtual Innovation Academy home page: <https://www.305virtual.com> – click on “Enrollment” and the easy online process is outlined.

- The student & parent/guardian will first complete the online application form including signatures. (Separate applications must be completed for each family member.)
- The student will then notify their school counselor they have applied to SVIA.
- After the counselor has been notified, the counselor will complete a student data form and submit requested records to the SVIA Principal.
- Once all of the records have been submitted, the SVIA Principal will contact the student and family regarding the status of their application.

Orientation Sessions:

New students and their parent/guardian (learning coach) are required to attend a mandatory, in-person orientation session to learn of the virtual technology necessary to succeed in an online environment. Learning coach responsibilities will be emphasized. These sessions will be held twice - once at the beginning of school and once at the start of second semester.

Placement Changes during the School Year:

SVIA IN-DISTRICT TRANSFER POLICY

A SHS/SMS/LW/CHS student who is currently enrolled and is interested in transferring to SVIA will follow the following procedures:

- Schedule a meeting with the SHS/SMS/LW/CHS principal/counselor to discuss applying to SVIA and completing an application.
- When SVIA receives the completed application and counselor form, SVIA will review the application and make a determination.
- If SVIA, with input from the previous school, the student and the parent/guardian(s) agree that SVIA is the right educational choice, the SVIA team will notify the parent of the next steps in the enrollment process.
- If the SVIA team determines that a student is not eligible for transfer, parents/guardians will be notified in writing.
- Transfers to and from the virtual school will only happen at the change in semester. Students wanting to transfer at the start of the year will need to do that prior to August 6, 2026. If a student would like to be considered for transfer in the second semester, they will need to contact the SHS/SM/LW/CHS/SVIA principal no later than 5 days prior to the end of the first semester.

Students are not considered enrolled in SVIA until all of the steps have been completed and formal acceptance is given. Should you have questions concerning enrollment, call the SVIA office at 785-309-4369.

Students will be required to enroll in a full SVIA schedule (minimum of 7 courses) during each semester. SVIA will not allow schedule changes after the student has been enrolled in the course for two (2) weeks unless deemed necessary by administration. To add or drop a course, please contact the SVIA Principal.

ROLES AND RESPONSIBILITIES

A successful online student will...

- Understand that they must have adequate computer and technical skills.
- Understand they must have the ability to stay engaged in the virtual course by establishing a schedule that has sufficient time to do the course work each day – and they will make this schedule a priority.
- Be expected to engage in virtual courses either by participating in the course “live” (synchronous) or by viewing content and engaging with educators and peers at a later time. (asynchronous)
- Keep track of all course deadlines, pacing guides and other expectations.
- Check email and Accelerated Education feedback from Salina Virtual on a daily basis (24-hour rule)
- Model ethical behavior by honoring USD 305’s Academic Honesty Policy.
- Understand they will not copy and paste information into documents and submit that work as their original thoughts and ideas. This includes using Artificial Intelligence software or applications.
- Understand that if they engage in unethical academic practices (copying, cheating, turning in work that is not my own), they will face disciplinary action.
- Inform their instructor in a timely manner if they are experiencing difficulties in their courses.
- Inform the Principal of any scheduled or unscheduled absences and make up work as required.
- Exhibit appropriate etiquette while communicating with their peers and online instructors.
- Use school equipment in compliance with the USD 305 Acceptable Use Policy.
- Understand that they are required to take all mandatory state/district assessments.
- Understand that they must create their Individual Plan of Study (IPS) through Xello activities and career plans.
- Understand the KS State Department of Education mandates two count days which requires them to work 360 minutes in the online platform each of the two days. These days will be scheduled and communicated by SVIA.
- Understand that they will log 30 hours each full school week (or 6 hours/day for school weeks less than 5 full days in length) Available time to log hours begins each Monday and ends at 11:59 p.m. on Sunday evening.
- Understand that failure to make academic progress and/or maintain regular attendance may result in denial of future enrollment, academic probation and/or truancy.

LEARNING COACH EXPECTATIONS:

The Salina Virtual Innovation Academy (SVIA) expectations regarding parental support, student engagement and behavior are outline below. These expectations ensure that students have the opportunity to achieve success. A Learning Coach is needed for each student. The Learning Coach is a parent or other adult designee responsible for managing at-home curriculum work. The Learning Coach will complete the required Learning Coach training prior to the start of each school year/semester.

A SVIA Learning Coach will...

- Provide transportation to and from on-site and other activities as needed. These will be scheduled between the hours of 8:00 a.m. – 3:00 p.m.
- Have a reliable high-speed internet connection. (cell phones and hot spots are inadequate) **! understand that this will not be provided by the school district.**
- Provide a quiet, dedicated workspace for my student – equipped with a table/desk, school supplies and good lighting.
- Communicate regularly with my student's teachers and respond to emails and phone calls promptly (within 24 hours on weekdays)
- Ensure my student attends all scheduled in-person or virtual meetings. (please notify SVIA teachers if a student is unable to attend a scheduled meeting)
- Understand that students learn best when they engage in productive struggle. I will help my student learn, but will not provide the answers or do the student's work.
- Assist my student in establishing and keeping to a learning schedule that allows the student to progress toward completion of the required coursework.
- Inform the school of any changes to current contact information – including residence address changes, changes to student or family phone numbers, work phones, or email addresses.
- Understand that my student is required to take all mandatory state/district assessments.
- Understand the KS State Department of Education mandates two count days which requires them to work 360 minutes in the online platform each of the two days. These days will be scheduled and communicated by SVIA.
- Ask questions and **report problems early** to prevent my student from getting behind.
- Monitor my student's progress in the virtual program regularly and ensure my student maintains weekly progress with online and offline curriculum.
- Understand that failure to make academic progress and/or maintain regular attendance may result in denial of future enrollment, academic probation and/or truancy.

Your SVIA Teachers will...

- Communicate with learning coach regularly (email, phone, and/or text)
- Communicate with student at least once per week to ensure quality education.
- Respond to student and parent emails and phone messages within a 24-hour time period during school hours/days.
- Help students and families find solutions to problems that interfere with student learning.
- Provide support to learning coaches.

Your SVIA Principal or designee will...

- Communicate with families about school news and opportunities.
- Help student and families find solutions to problems that interfere with student learning.
- Solicit community resources for student learning experiences.
- Implement processes to meet district and state regulations.
- Provide oversight to ensure all stakeholders are meeting responsibilities.
- Review attendance records.
- Maintain the integrity of the attendance data.
- Keep the official, documented attendance record.

Withdrawal Due to Non-Engagement and/or Refusal of Required Academic Intervention:

Families will be alerted when a student is not academically engaging and/or refusing intervention. If attempts to correct these concerns are not acknowledged by the student and Learning Coach, then SVIA will have to work with the family to find a more appropriate school setting. Learning and daily school engagement must be evident for continued enrollment.

Health Examination:

Students are required to present a completed health examination form upon enrollment in the ninth grade. Physical examination forms are available at the school offices and should be completed and returned to the school at the time of enrollment.

All students new to Kansas schools are required to present a completed health examination form and immunization form at the time of enrollment.

Title IX Requirements:

Discrimination against any student on the basis of race, color, national origin, sex, disability, or religion in the admission or access to, or treatment in the district's programs and activities is prohibited.

All inquiries regarding Title IX regulations or compliance with the Civil Rights Act provisions of 1964 should be directed to the Director of Administrative and Student Support Services, 309-4726.

Inquiries regarding Section 504 regulations for the handicapped should be directed to the Human Resources Director, 309-4726.

GRADES

SVIA teachers have the opportunity to reset assessments or give alternate assessments if they feel that learning will be enhanced by this practice. Teachers may place passwords on assessments if students are submitting blank assignments or if they want to reteach an assignment to enhance learning. The teachers are always willing to collaborate with students and families with concerns that are in the best interest of the students. SVIA teachers will strive to grade assessments within 48 business hours to give timely feedback.

Each course in Accelerate Education, the SVIA virtual platform, is evaluated individually. Points/percentages are calculated differently for projects, activities, discussion, assignments, quizzes, unit/module exams and semester exams. Consult with teachers to understand each course's point distribution.

Grades will be issued based on the traditional A, B, C, D, and F grading system. The grading scale is 90-100=A; 80-89=B; 70-79=C; 60-69=D; below 60=F; WD Withdrawn Passing; WF Withdrawn Failing. Grade cards will be issued following the conclusion of each nine-week period.

End of Semester Exams:

It is expected that all SVIA students will take mandatory final exams in all of their courses at the conclusion of each semester.

Participation Rubric:

In addition to semester final grade, a Participation score is worth up to 50 points (5% of the overall grade in each grade) Students can earn 50 points by asking for help, responding to messages, communicating respectfully and on time, staying on pace, and by completing the 4C's projects. The grade reflects engagement, responsibility and time management skills.

Participation Rubric 50 points total for 5% of overall grade					
Skill Assessed	5 – Exemplary (90–100%)	4 – Proficient (80–89%)	3 – Developing (70–79%)	2 – Emerging (60–69%)	1 – Beginning (0–59%)
Asks for help when needed - 10 pt	The student consistently communicates with teacher to clarify, question or ask for other support if needed	The student frequently communicates with teacher to clarify, question or ask for other support if needed	The student sometimes communicates with teacher to clarify, question or ask for other support if needed	The student rarely communicates with teacher to clarify, question or ask for other support if needed	The student never communicates with teacher to clarify, question or ask for other support if needed
Responds to communication - 10 pt	The student consistently demonstrates professionalism	The student frequently demonstrates professionalism	The student sometimes demonstrates professionalism	The student rarely demonstrates professionalism	The student has difficulty demonstrating professionalism
Communicates in a timely manner - 10 pt	The student consistently responds to communication within 24 hours	The student frequently responds to communication within 24 hours	The student sometimes responds to communication within 24 hours	The student rarely responds to communication within 24 hours	The student has difficulty communicating
Communicates with respect - 10 pt	The student consistently demonstrates age-appropriate communication	The student frequently demonstrates age-appropriate communication	The student sometimes demonstrates age-appropriate communication	The student rarely demonstrates age-appropriate communication	The student has difficulty demonstrating age-appropriate communication
Maintains a successful pace - 10 pt	The student consistently follows the calendar and due dates	The student frequently follows the calendar and due dates	The student sometimes follows the calendar and due dates	The student rarely follows the calendar and due dates	The student has difficulty following the calendar and due dates

Residency Requirements for a Diploma

Transfer students: Students entering USD 305 must attend high school in the district for the entire second semester of his/her senior year to be eligible for a diploma.

Exiting Students: Students who transfer out of district during their senior year and who wish to be eligible for a USD 305 diploma must have attended high school in USD 305 for a minimum of four semesters in grades 10-11-12 and must complete the USD 305 required course of study and credit requirement within that same transfer year.

Enrollment in correspondence courses for high school credit requires approval in advance from the building principal. Correspondence courses will not be accepted as substitutes for required courses for graduation. Only correspondence credit will be accepted from schools and institutions approved by the State Board of Education. Students may apply for permission to enroll in an on-line course for credit. Applications for the next academic year will be submitted to the principal no later than April 20. The student and the student's parents shall be informed of the administrator's decision in writing no later than June 1.

Students may not enroll in an on-line course as an alternative to any course offered by the high school except (1) as an attempt to earn credit for a class already attempted but failed or (2) as an attempt to complete a course of study during a suspension or expulsion (3) if the course has been approved by USD 305 Board of Education through a dual credit partnership.

Student Class Loads

Students will be required to enroll in a full schedule. Exceptions to a full schedule are described under Extended Study, Early Graduation and/or Flex Schedule.

SVIA GRADUATION REQUIREMENTS

The following are the requirements to obtain a USD 305 SVIA high school diploma.
 Highlighted below are the New Graduation Requirements Beginning with Class of 2028

SUBJECT	Number of Credits	Courses which will meet requirement
ENGLISH	4	reading, writing, literature, communication & grammar
ORAL COMMUNICATION	.5	.5 credit Speech, KSU Speech, debate, forensics
SOCIAL SCIENCE	3	-to include 1 credit in World History -to include 1 credit in American History -to include .5 credit in American Government -to include .5 credit in Economics -(equivalent to Social Studies 1-4 at South High School)
MATHEMATICS	3	-to include algebraic & geometric concepts
NATURAL SCIENCE	3	-to include 1 credit in Earth & Space Science -to include 1 credit in Biology 3 Units to include physical, biological and earth and space science concepts, at least one unit as a laboratory course
PHYSICAL EDUCATION	1	
HEALTH	.5	
FINE ARTS	1	Art, Music, Theatre
COMPUTER LITERACY OR STEM (Begin w/Class of 2028)	1	1 credit of Computer, advanced math or science, robotics, technology, or agriculture (Beginning w/Class of 2028)
BUSINESS - Financial Literacy		.5 credit of Financial Literacy (Must Pass to Graduate)
ELECTIVES	4	3.5 Credits Must Align w/IPS (Beginning w/Class of 2028)
TOTAL CREDITS REQUIRED	21	Complete 2 Post Secondary Assets (Beginning w/Class of 2028) - Internships, 40+ hours of community service, workplace learning, ACT or WorkKeys tests, industry-recognized certifications, etc.

New State Requirement Beginning with the Class of 2028: **Students are required to meet two or more postsecondary assets from either the academic or career and real work categories.** The selected assets must align with the student's Individual Plan of Study (IPS). It is crucial for students/guardians work to ensure the student has achieved two or more post-secondary assets listed below.

ACADEMIC CATEGORY	CAREER & REAL WORLD CATEGORY
<ul style="list-style-type: none"> • 9+ College Hours ** • Completing Board of Regents Curriculum • State Assessment Scores of 3 or 4 for Math, ELA, and Science, (Demonstrating College Readiness) • Advanced Placement Exam (3+) • WorkKey Levels (Silver or Higher) • ACT Composite (Score of 21 or Higher) • SAT Score (1200 or Higher) • ASVAB per Requirements of Military Branch <p>** These assets are conducted outside of school hours. Documentation from student/guardian is required for these assets to be verified.</p>	<ul style="list-style-type: none"> • Two or More High School Athletics/Activities • 40 or more Community Service Hours ** • 95% Attendance in High School • Client-Centered Projects ** • Youth Apprenticeships • Workplace Learning Experience Directly related to a Student's IPS ** • Senior Project or Senior Exit Interview • CTE Scholar • Seal of Bi-literacy • Industry-Recognized Certification • Eagle Scout or Gold Girl Scout ** • 4-H Kansas Key Award **

Class of 2027 Graduation Requirements

Requirement	Credit	Typical Sequence
English	4	English 1 (1), English 1 Adv. (1), English 2 (1), English 2 Adv. (1), English 3 (1), English 3 Adv. (1), or American Studies (1), or AP Language & Composition (1), English 4 (1), English 4 HCC/KSU (1), AP Literature & Composition (1)
Social Studies 1 credit World History 1 credit American History .5 credit Economics .5 credit American Government -(equivalent to Social Studies 1-4 at South High School)	3	Social Studies 1 (.5), World History (1), Social Studies 2 (1), AP World History (1), American History (1), Social Studies 3 (1), AP American History (1), American Studies (1), Constitution (.5), Economics (.5), Social Studies 4 (.5), AP Macroeconomics (.5), AP U.S. Government & Politics (.5), KSU Macroeconomics (.5), KSU Microeconomics (.5)
Mathematics	3	Algebra 1 (1), Algebra/Geometry (1), Geometry (1), Transition Algebra (1), Algebra 2 (1), Algebra 2/Trigonometry (1), SATC College Algebra (1), KSU College Algebra (.5), Financial Math (1), Pre-Calculus/Trigonometry (1), KSU Plane Trigonometry (.5), KSU Analytic Geometry & Calculus (1), KSU General Calculus & Linear Algebra (1), AP Calculus (1), AP Statistics (1)
Natural Science 1 credit Earth/Space Science 1 credit Biology	3	Earth & Space Science (1), Biology 1 (1), KSU Biology w/lab (1), Physical Science (1), Chemistry (1), KSU Chemistry w/lab (1), AP Biology (1), Physics (1), KSU Physics w/lab (1), Human Anatomy & Physiology (1), Essentials of Human Anatomy & Physiology (1), AP Chemistry (1), AP Physics 1 (1), AP Physics 2 (1)
PE	1	PE 1 (.5), PE 2 (.5), Conditioning (1), Personal Fitness (1)
Health	.5	Health (.5)
Oral Communication	.5	Speech (.5), KSU Speech (.5), Debate (.5), Forensics (.5)
Computer	1	Computer Applications 1 (.5), Computer Applications 2 (.5), KSU Computer Applications 2 (.5), Computer Programming (.5), Graphic Design 2-D (.5), Web Page Design (.5), Graphic Design Digital (.5), Interactive Media (.5), Audio Video Production Fundamentals (.5), Audio Video Production Advanced (1.0), Newspaper (1.0), Digital Media Production (1.0)
Fine Arts	1	Any/All Visual Arts (1), Any/All Music (1), Any/All Theatre (1), Elements of Acting (.5), Adv. Forensics (.5)
Electives	7	
Total	24	

Class of 2028 and beyond Graduation Requirements

Requirement	Credit	Courses
English 4 Units to include reading, writing, literature, grammar	4	English 1 (1), English 1 Adv. (1), English 2 (1), English 2 Adv. (1), English 3 (1), English 3 Adv. (1), or American Studies (1), or AP Language & Composition (1), English 4 (1), English 4 KSU (1), AP Literature & Composition (1)
Social Studies 3 Units to include world history; United States history; United States government, including the Constitution of the United States; concepts in economics and geography	3	Social Studies 1 (.5), World History (1), Social Studies 2 (1), AP World History (1), American History (1), Social Studies 3 (1), AP American History (1), American Studies (1), Constitution (.5), Economics (.5), Social Studies 4 (.5), AP Macroeconomics (.5), AP U.S. Government & Politics (.5), KSU Macroeconomics (.5), KSU Microeconomics (.5)
Mathematics 3 Units including algebraic and geometric concepts	3	Algebra 1 (1), Algebra/Geometry (1), Algebra 2 (1), Algebra 2/Trigonometry (1), Geometry (1), Transition Algebra (1), Pre-Calculus/Trigonometry (1), Financial Math (1), SATC College Algebra (1), KSU College Algebra (.5), KSU Plane Trigonometry (.5), KSU Analytic Geometry & Calculus (1), KSU General Calculus & Linear Algebra (1) AP Calculus (1), AP Statistics (1)
Natural Science 3 Units to include physical, biological and earth and space science concepts, at least one unit as a laboratory course	3	Biology 1 (1), Chemistry (1), Earth & Space Science (1), Integrated Science (1), Physical Science (1), Human Anatomy & Physiology (1), Essentials of Human Anatomy & Physiology (1), KSU Chemistry w/lab (1), Physics (1), KSU Biology w/lab (1), KSU Physics w/lab (1), AP Biology (1), AP Chemistry (1), AP Physics 1 (1), AP Physics 2 (1)
PE	1	PE 1 (.5), PE 2 (.5), Conditioning (1), Personal Fitness (1)
Health	.5	Health (.5)
Oral Communication	.5	Speech (.5), KSU Speech (.5), Debate (.5), Forensics (.5)
STEM (Advanced Science, Technology, Engineering, or Advanced Math)	1	See Master STEM Course List on page 17 List link
Fine Arts	1	Any/All Visual Arts (1), Any/All Music (1), Any/All Theatre (1), Elements of Acting (.5), Adv. Forensics (.5)
Business	.5	Financial Literacy (.5)
Electives	6.5	
Total	24	
POST SECONDARY ASSETS	2	See table on page 14

MASTER STEM COURSE LIST

AGRICULTURE

Advanced Animal Science

Animal Science

Metals 2

Metals 3

BUSINESS / COMPUTER / JOURNALISM

Audio Video Production Fundamentals

Audio Video Production Advanced

Computer Programming

Digital Media Production

Engineering / Sound Production

Graphic Design 2-D

Graphic Design Digital

Interactive Media

KSU Comp Apps 2 Dual – PC Desktop Software

Newspaper

21st Century Journalism

Web Page Design

INDUSTRIAL TECHNOLOGY

Architecture Drafting

Cabinetmaking 2

Cabinetmaking 3

Engineering Design and Development

Principles of Engineering

Research Advanced Drafting

MATHEMATICS

AP Calculus

AP Statistics

Financial Math

KSU College Algebra Dual

KSU Plan Trigonometry Dual

KSU Calculus Dual: Analytic Geometry & Calculus

Precalculus/Trigonometry

SCIENCE

AP Biology

AP Chemistry

AP Physics 1

AP Physics 2

Environmental Science

Essentials of Anatomy & Physiology

Human Anatomy & Physiology

KSU Dual – Principles of Biology

KSU Dual – General Chemistry

KSU Dual – General Chemistry with Lab

KSU Dual – General Physics with Lab

SCIENCE, continued

Medical Internship Rotation

Medical Investigations 2

Physics

SPECIAL EDUCATION

STEM 1 & 2

Graduation Requirements

Each student will be a successful high school graduate with the direction, skills and grit for postsecondary success. Students will need 24 credits to graduate.

Students in the graduating classes of (2026 and 2027) are required to meet the following

requirements: English 4, Oral Communication .5, Math 3, Social Science 3, Science 3, Health/PE 1.5, Computer 1, Fine Arts 1, Financial Literacy .5, plus 6.5 units of electives. Students, in cooperation with their counselor, are responsible for completing these requirements.

Beginning with the Class of 2028 and subsequent classes, students are required to meet the following new requirements: English 4, Oral Communication .5, Math 3, Social Science 3, Science 3, Health/PE 1.5, STEM 1, Fine Arts 1, Financial Literacy .5, plus 6.5 units of electives of which 4.5 of those credits align with the student's Individual Plan of Study or IPS. Students are also required to achieve two post-secondary assets. Students, in cooperation with their counselor, are responsible for completing these requirements.

Class Drops and Changes

Prior to the last day of school, students may alter pre-enrollment for the next year upon student, parent, teacher, or counselor initiative. During the first week of the school year (or semester for a semester class) counselor and parent approval is required for class changes and transfers. During the same time period changes to advanced and AP courses will require administrative approval. No record of said drop or transfer shall be made on the student transcript.

After the first week of classes, a student may drop a class or transfer to another class only after there has been counselor and administrative consultation with the teacher and parent/guardian with the final decision made by an administrator. After the second week of classes, an administrator may approve a drop or transfer provided extenuating circumstances exist. Should a drop request be approved after the first week of classes, the drop shall be recorded on the student's permanent transcript with the class name and either WP (Withdrawn Passing) or WF (Withdrawn Failing). A grade of "F" will be recorded on the student's transcript and will be calculated into the student's GPA for any class dropped after the beginning of the second or fourth quarter.

Early Graduation

Students who have an updated Individual Plan of Study (IPS) and complete all state and local graduation requirements may request permission to graduate early. Students must submit an application by **December 1** of their junior year and must have attended USD 305 the two semesters prior to the semester of application, unless a waiver is granted by the principal. The student and parents shall consult with the student's counselor to develop a plan and for more detailed information regarding the BOE policy.

Eligibility for Activities

Academic requirements to be eligible for any interscholastic activities sponsored by the Kansas State High School Activities Association are as follows:

- The student shall have passed at least five new subjects (those not previously passed), of unit weight, or its equivalency, the previous semester or the last semester of attendance. Summer school credits do not apply. Late grade changes made after the submission of the state eligibility report that result in a student passing a class for the semester **will not** change the student's reported eligibility status.
- The student shall be enrolled in and attending a minimum of five new subjects (four new subjects if taking an extended study class), of unit weight, or its equivalency, during the present semester.

USD 305 Policy requires that a student be passing in five new subjects of unit weight on a biweekly basis in order to be eligible for participation in activities.

NOTE: A student assistant position is a non-credit enrollment and consequently does not count as "passing a subject of unit weight." Because of the specific nature of requirements under the NCAA bylaw 5-1-(j), each student is advised to consult with his/her counselor for details regarding core classes, GPA, ACT and SAT requirements. This should be discussed when he/she is a freshman in high school and considered when developing the student's Individual Plan of Study (IPS) and in each review of the (IPS).

Eligibility for Post-Secondary Athletics – NAIA, NCAA

Students who wish to evaluate their high school coursework for eligibility for post-secondary athletics should consult the eligibility requirements of the body that qualifies student athletes for college competition. To register to determine eligibility use these links: NAIA: <https://play.mynaia.org/> NCAA: <https://web3.ncaa.org/ecwr3/>

NAIA Academic Standards include GPA and a qualifying test.

NCAA Division 1 Academic Standards:

- Earn 16 NCAA-approved core-course credits in the following areas:
 - Four years of English.
 - Three years of math (Algebra 1 or higher).
 - Two years of science (including one year of lab, if offered).
 - One extra year of English, math or science.
 - Two years of social science.
 - Four additional years of English, math, science, social science, world language, comparative religion or philosophy.
- Complete your 16 NCAA-approved core-course credits in eight semesters from your initial start of ninth grade. If you graduate from high school early, you still must meet core-course requirements.
- Meet the [10/7 requirement](#) by completing 10 of your 16 NCAA-approved core-course credits, including seven in English, math or science, before the start of your seventh semester.
- Earn a minimum 2.3 [core-course GPA](#).

NCAA Division 2 Academic Standards:

- Earn 16 NCAA-approved core-course credits in the following areas:
 - Three years of English.
 - Two years of math (Algebra 1 or higher).
 - Two years of science (including one year of lab, if offered).
 - Three extra years of English, math or science.
 - Two years of social science.
 - Four additional years of English, math, science, social science, world language, comparative religion or philosophy.
- Earn a minimum 2.2 [core-course GPA](#).

Flex Schedule Guidelines

Seniors who are on schedule to graduate in eight semesters may apply no later than **March 16** of their junior year (unless a waiver is granted by the principal) for permission to attend school part-time (flex schedule) the second semester of their senior year. All completed applications with student and parental signatures shall be submitted to the counselor and will be reviewed by the administration and the counselor. Successful applicants are expected to have an updated Individual Plan of Study and be in good standing with the school. A meeting shall be held which shall include parent(s) or guardian(s), the principal or designee, and the student. If approved, the application shall be signed by all involved parties and filed in the student's permanent file.

Seniors who attend part-time second semester are to be in the building only during class, meeting with a teacher, or during lunch block. Seniors attending part-time during second semester shall be allowed to participate in senior class activities and must be passing at least five new subjects of unit weight or they will not be eligible for KSHSAA activities.

Grading System and Grade Point Averages

The grading system for Salina High Schools are as follows:

A=90-100	B=80-89	C=70-79	D=60-69	F=BELOW 60
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The *unweighted* grading scale is:

A=4.00	B=3.00	C=2.00	D=1.00	F=0.00
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The *weighted* grading scale is:

A=5.00	B=4.00	C=3.00	D=2.00	F=0.00
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Grading System

The grading system for the Salina High Schools is as follows:

A.	90-100	4 grade points	D	60-69	1 grade point
B.	80-89	3 grade points	F	Below 60	0 grade points
C.	70-79	2 grade points			

Your Grade Point Average

Figuring your grade point average: The grade point average (GPA) represents the average number of grade points a student earns for each graded high school course. To calculate your GPA, use the following formula:

Take the # of grades and multiply that number times the grade point value.

Your grades X Grade point value = Total

of A's 3 X 4 = 12

of B's 3 X 3 = 9

of C's 1 X 2 = 2

of D's 1 X 1 = 1

Total **8** **24**

Add your grade points 24 **Total grade points**

Divide the # of grade points by the total # of grades

Total # of grade points 24 **/ divided by # of grades** 8 = **3.0 GPA**

Weighted Grades

Weighted grades are used in the computation of grade point averages which determine class rank. Our weighted class rankings are based on Advanced Placement (AP) classes. Therefore, all students who take all AP classes (and receive A grades) may tie for the first-place ranking at the end of their senior year.

Other factors affecting class rank include non-credit classes like extended study or student assistant placements, as well as a student's total number of credits – including classes taken at the middle school for high school credit.

The weighted grade points will apply to AP classes as follows:

- A. = 5 points C = 3 points
- B. = 4 points D = 2 points

Why is my Grade Point Average Important?

Although there are always exceptions, many times your grade point average (GPA) reflects how seriously you have taken your high school courses. Your GPA is often a reflection of your study habits and dedication. It is important to try to earn the highest GPA possible throughout your four years of school. This cumulative GPA will be used by colleges, universities, technical schools and even employers for a variety of reasons.

- **Admission Requirements** – A good high school GPA could help you get admitted to your school of choice. Post-secondary institutions have found that a student's high school GPA is a very good predictor of college success. For this reason, many institutions require that students enter their university with a qualifying GPA. If a student applies with a GPA that does not qualify for admission, that student may be admitted on a probationary basis or sometimes not at all.
- **Scholarships** - Another important reason to maintain a solid GPA is that many grant and scholarship organizations require a "B" average or higher when considering applicants. If your

cumulative GPA falls below this range (3.0 or below) you will find that scholarship and/or award monies will be difficult to obtain.

- **Resumes** - The average company receives numerous resumes for every job opening it posts. With that kind of competition, it is important that your resume reflect your abilities and skills. A strong GPA will not only show employers your dedication and commitment to learning, but it will also be measurable evidence of subject mastery and proven academic achievement overtime.

College and Career Testing

Preparatory College Testing

PRE-ACT is a 9th grade multiple-choice assessment. The results help predict performance on the ACT test. PreACT simulates the ACT testing experience within a shorter test window on all four ACT test subjects: English (30 minutes), math (40 minutes), reading (30 minutes), and science (30 minutes). www.act.org/preact

The PSAT or the Preliminary SAT provides practice for the SAT Reasoning Test. Students should take this test in the fall of their junior year. This test measures skills in critical reading, math problem solving, and writing. It is used to offer feedback on strengths and weaknesses of skills necessary for college. The PSAT is also connected with the National Merit Scholarship Corporation (NMSC) and the National Achievement Scholarship Program.

The National Merit Program is open to all students who meet entry requirements. You must score at the stated cut off on the PSAT in order to be considered. Students who qualify for recognition in the National Merit Program are notified through their schools in September.

The National Achievement Scholarship Program is an academic competition in which only African-American high school students participate. Students must register for this program by marking Section 14 of the PSAT/NMSQT Answer Sheet. Students who qualify for recognition in the National Achievement Scholarship program are notified through their schools in September.

The most common reason students take the PSAT is

- To receive feedback on your strengths and weaknesses on skills necessary for college study. You can then focus your preparation on those areas that could most benefit from additional study or practice.
- To see how your performance on an admissions test might compare with that of others applying to college.
- To help prepare for the SAT. You can become familiar with the kinds of questions and the exact directions you will see on the SAT.

www.collegeboard.org

The American College Test (ACT) assesses skill level mastery in English, Math, Reading Comprehension, and Science. Test scores weigh heavily in many admission and scholarship decisions. ACT scores along with high school grades, class rank, high school activities, and community service are the main information colleges use to identify students who would best benefit from their programs. They also use the information for class placements and scholarships.

It is important to start taking the ACT early. It is a good idea to start your sophomore year in order to get a feel for the layout and format of the test. Before you take the test, it is vital that you read about the test and do a practice test to find out where your weaknesses are and what areas might cause you trouble. Then take some time to focus on those areas so that you are ready to take the test.

You may take the ACT test as many times as you want (and if you take it as a sophomore it would be wise to take it a time or two again.) The more you learn in school, the more knowledge you will have to improve your ACT scores.

The Scholastic Aptitude Test (SAT) is a measure of the critical thinking skills students need for academic success in college. This test assesses how well students solve problems, a skill needed in college. The SAT is a standardized measure of your college readiness.

Colleges use your scores to compare you with other students who took the test. The SAT is only a part of what colleges will look at for admissions. They also consider your high school record, extracurricular activities, essays, and recommendations.

Not all schools require the SAT. Therefore, it is important that you begin researching schools that are of interest in your sophomore and junior years. This will give you time to research if it is necessary to actually take this test. Generally, colleges on the East and West Coasts require the SAT, while most colleges in the Midwest will accept the ACT.

It is important to begin the SAT testing process in your junior year. This will give you time to retake the test if you need to. You may take this test as many times as you want in order to improve your scores.

The SAT scores are reported on a scale of 200 to 800. Your score tells colleges how you compare to other students who took this test. For example, if you scored close to the mean or average - about 500 on SAT critical reading and 500 on SAT mathematics - admissions staff would know that you scored as well as about half of the students who took the test nationally.

www.collegeboard.org

Advanced Placement (AP) Testing (must be taken at Central High or South High. It is the student's responsibility to sign up and pay fees in person)

The Advanced Placement (AP) Program (not available at Salina Virtual) gives students in USD 305 an opportunity to take college-level courses and exams while they are still in high school. Through this, students will earn weighted high school credit and may have the option to apply for college credit (dual credit). Students are strongly encouraged to take the AP test in May.

High quality student work is expected; therefore, more study and research time is required for students to meet the rigorous demands of the course material. Weighted grade points are assigned only to the classes listed. Students in the district's two high schools may enroll in one or more of the Advanced Placement courses listed below:

AP Language & Composition	AP World History
AP Literature & Composition	AP American History
AP Biology	AP Government & Politics
AP Chemistry	AP Macroeconomics
AP Physics 1; AP Physics 2	AP Psychology
AP Calculus	AP Music Theory
AP Statistics	AP Studio Art 2D & 3D

The location of the class (either one or both high schools) will be determined following the spring pre-enrollment process. Busing is provided.

AP offers something for everyone. The only prerequisite for an AP Class is a strong curiosity about the subject and a willingness to work hard. Here are just a few reasons to enroll:

Gain the Edge in College Preparation

- Develop the study habits necessary for tackling rigorous coursework.
- Get a head start on exactly the sort of work you will confront in college.
- Improve your writing skills and sharpen your problem-solving techniques.
- Earn college credit by passing the AP exam.

Stand out in the College Admissions Process

- Show your willingness to push yourself to the limit.
- Emphasize your commitment to academic excellence.
- Demonstrate your maturity and readiness for college.
- Enter college with several college credits, after passing the AP exam.

Broaden Your Intellectual Horizons

- Study subjects in greater depth and detail.
- Assume the responsibility of reasoning, analyzing, and understanding for yourself.
- Explore the world from a variety of perspectives, most importantly your own.

College Credit

Providers

USD 305 will work collaboratively with Bethany College, Kansas State University Salina and Salina Area Technical College to ensure that the courses are consistently offered and have the rigor to effectively prepare students for higher education.

Eligibility of Students

To be eligible for dual credit course enrollment, students must meet institutional grade point average requirements, meet the college established ACT or placement testing requirements, and be a 10th, 11th or 12th grade student or a gifted student. College and/or university fees for dual credit are the student's responsibility.

KBOR Prerequisites for Composition I and College Math Gateway Courses

English Composition I

18+ on ACT Reading AND ACT English; OR 500+ on SAT ERW (Evidence-based Reading and Writing); OR 255+ Accuplacer Reading AND Writing; OR 3.0+ high school cumulative unweighted GPA after five or more semesters; OR 16+ ACT Reading AND ACT English AND B or higher (not B-) in most recent high school English course; OR 2.7+ high school cumulative unweighted GPA after 5 or more semesters AND B or higher (not B-) in most recent high school English course

Gateway Math Courses by Institution and Area of Study

Use the links below to check the math course that your major requires at the institution of your choice.

- [College Algebra](#)
- [Contemporary Math](#)
- [Elementary Statistics](#)

College Algebra

Math ACT: 22 or higher OR Math SAT: 540 or higher OR ALEKS PPL: 46 or higher OR Accuplacer QAS: 263 or higher OR HS GPA and Course Grade: 3.25 cumulative GPA (unweighted) and B- or higher in Second Semester Algebra 2 or Integrated Math 3 OR Institutional Measure* (including professional discretion)

Contemporary Math and Elementary Statistics

Math ACT: 19 or higher OR Math SAT: 510 or higher OR ALEKS PPL: 30 or higher OR Accuplacer QAS: 255 or higher OR HS GPA and Course Grade: 3.00 cumulative GPA (unweighted) and C- or higher in Second Semester Algebra 2 or Integrated Math 3 OR Institutional Measure* (including professional discretion)

Enrollment into Blended/Concurrent/Dual Credit Courses

Blended courses are taught collaboratively (team taught) by the college instructor and the high school teacher. **Concurrent** credit courses are taught by a USD 305 teacher on a USD 305 high school campus.

Dual credit courses are college courses taught by postsecondary faculty on the post-secondary campus. USD 305 high school credit is awarded for these courses.

Transcripts

All transcripts received by USD 305 for approved Bethany College, Hutchinson Community College, Kansas State University Salina, and Salina Area Technical College courses taken during a student's high school career will be recorded on the student's USD 305 transcript and counted toward the student's GPA. Students are responsible for ensuring the college sends transcripts to USD 305 high school registrars.

Blended Courses

Blended courses are taught collaboratively (team taught) by the college instructor and the high school teacher. Tuition is paid to the post-secondary institution.

High School Course	College Course	College/University
American Justice	CJ 100 Criminal Justice	Bethany College
Teaching as a Career A & B	ED 100 Introduction to Education	Bethany College
Teaching Internship A & B	ED 200 Introduction to Teaching: Classroom Experience	Bethany College

Concurrent Credit Courses

Concurrent credit courses are taught by a USD 305 teacher on a USD 305 high school campus. Tuition is paid to the post-secondary institution.

High School Course	College Course(s)	Location	College/University
Accounting A and B	BAT 192 Financial Accounting I BAT 196 Financial Accounting II	SHS	SATC
Algebra 2/Trig	MAT 150 College Algebra	CHS/SHS	SATC
AP Biology	BIO 105 General Biology	SHS	SATC
AP Language & Comp	ENG 101 Composition	CHS/SHS	SATC
AP Literature & Comp	ENG 102 Composition	CHS/SHS	SATC
AP Statistics	MAT 152 Elementary Statistics	CHS/SHS	SATC
Architectural Drafting	CAD 152 Residential Architecture with Revit	CHS	SATC
Computer Apps 2	CSA 105 Introduction to Computer Apps and Concepts	CHS/SHS	SATC
English 4A	ENGL 100 Expository Writing 1	CHS/SHS	KSU Salina
English 4B	ENGL 200 Expository Writing 2	CHS/SHS	KSU Salina
General Psychology	PSYCH 110 General Psychology	CHS/SHS	KSU Salina
Human Anatomy & Physiology	BIO 150 Human Anatomy and Physiology	CHS/SHS	SATC
Principles of Marketing	BUS 130 Principles of Marketing	SHS	SATC
Metals 2 A	ENV 102 Safety Orientation OSHA WEL 111 Shielded Metal Arc Welding WEL 115 Gas Metal Arc Welding 1	CHS	SATC
Metals 3	WEL 106 Cutting Process WEL 150 Welding Blueprint Reading	CHS	SATC
AP Music Theory	MUSI 131 and 132 Music Theory 1 & 2	CHS/SHS	KWU
Physics/AP Physics	PHS 100 Physics (5 hours)	CHS/SHS	SATC
Pre-Calc/Trig	MAT 155 Trigonometry	CHS/SHS	SATC

Dual Courses

Dual credit courses are college courses taught by postsecondary faculty on the post-secondary campus.

These Bethany courses are taught online by Bethany faculty. USD 305 high school credit is awarded for these courses. Tuition is paid to the post-secondary institution.

College Course		College/University
Elective .5 Credit	BCED 100 Introduction to Education	Bethany College (Online) Must enroll in either ED 100 or CJ 100 in advance
Math .5 Credit	BCMA 104 College Algebra	
Elective .5 Credit	BCED 240 Diversity and Pluralism in Ed.	
Elective .5 Credit	BCGO 120 Human Geography	
Elective .5 Credit	BCED 251 Instructional Technology	

Dual Courses (that match a specific high school course or requirement):

Dual credit courses are college courses taught by postsecondary faculty on the post-secondary campus. USD 305 high school credit is awarded for these courses. Tuition is paid to the post-secondary institution.

High School Course	College Course	College/University
English 4A	ENGL 100 Expository Writing 1	Kansas State University - Salina
English 4B	ENGL 200 Expository Writing 2	
English 4B	ENGL 251 Introduction to Literature	
Speech	COMM 106 Public Speaking 1 (taught at CHS & SHS)	
Math .5	MATH 100 College Algebra	
Math .5	MATH 150 Plane Trigonometry	
Calculus A and B	MATH 205 General Calculus and Linear Algebra	
Calculus A and B	MATH 220 Analytic Geometry and Calculus 1	
Biology A and B	BIO 198 Principles of Biology (4 hrs)	
Chemistry A and B	CHM 110 Chemistry Lecture and CHM 111 Lab (4 hrs)	
Physics 1 A and B	PHYS 113 General Physics and Lab (4 hrs)	
Economics (CHS) .5	ECON 110 Macroeconomics or ECON 120 Microeconomics	
Social Studies 4 .5	ECON 110 Macroeconomics or ECON 120 Microeconomics	
Sociology .5	SOCIO 211 Introduction to Sociology	
Accounting 1A .5	BUS 251 Financial Accounting	
Accounting 1B .5	BUS 252 Managerial Accounting	
Business Essentials .5	BUS 110 Introduction to Business	
Computer Apps 2 .5	CMST 108 PC Desktop Software	

Dual Courses (Elective Credit):

Dual credit courses are college courses taught by postsecondary faculty on the post-secondary campus. USD 305 high school credit is awarded for these courses. Tuition is paid to the post-secondary institution.

KSU – Salina College Course
AMP 101 Introduction to Aviation Regulations & Aircraft Drawings
AMP 102 Aviation Math & Physics
AMP 103 Concepts of Aircraft Materials and Tooling Standards
AMP 104 Basic Aircraft Electricity and Ground Operations
AMP 105 Application of General Aviation Maintenance Concepts
AVT 100 Introduction to Aviation
AVT 242 Aviation Meteorology
AVT 250 Safety and Security of Airport Ground Operations
BIOL 198 Principles of Biology
BUS 110 Introduction to Business
BUS 251 Financial Accounting
Bus 252 Managerial Accounting
CHM 110 General Chemistry
CHM 111 General Chemistry Laboratory
CMST 108 PC Desktop Software
CMST 146 Digital Photography
COMM 106 Public Speaking
COT 150 Humanities Through the Arts
COT 175 Introduction to Cultural Studies
CYBR 103 Computing Principles
CYBR 137 Principles of Interactive Digital Storytelling
CYBR 163 Fundamentals of Design Thinking
CYBR 180 Introduction to Database Systems
CYBR 210 Interactive Media Development
CYBR 247 Programming 1
CYBR 250 Hardware and Network Fundamentals
ECET 100 Basic Electronics
ECON 110 Principles of Macroeconomics
ECON 120 Principles of Microeconomics
ENGL 100 Expository Writing 1
ENGL 200 Expository Writing 2
ENGL 251 Introduction to Literature
GEOL 100 Earth in Action
GEOL 103 Geology Laboratory
GEOL 125 Natural Disasters
MATH 100 College Algebra
MATH 150 Plane Trigonometry
MATH 205 General Calculus and Linear Algebra
MATH 220 Analytic Geometry and Calculus 1

MATH 221 Analytic Geometry and Calculus 2
MET 111 Technical Graphics
MET 117 Mechanical Modeling and Detailing
MET 121 Manufacturing Methods
MET 125 Computer-Numerical-Controlled Machine Processes
MLAS 100 Survey of Machine Learning & Autonomous Systems
PHYS 113 General Physics 1
PHYS 114 General Physics 2
PPIL 210 Aviation Safety
SOCIO 211 Introduction to Sociology
SOCWK 100 Social Work: The Helping Profession
SOCWK 200 Basic Skills for Working with People
STAT 225 Introduction to Statistics
UAS 114 Remote Pilot Certification for UAS
UAS 115 Multi-rotor Flight Lab
UAS 270 Introduction to Unmanned Aircraft Systems
UAS 272 UAS Safety Fundamentals
UAS 274 Introduction to Processing Remotely Sensed Data
UAS 275 Small UAS Maintenance 1
UAS 280 Multi-rotor Construction Lab

Dual Credit Programs

Salina Area Technical College	
Allied Health	
Auto Collision and Refinishing Technology	
Automotive Technology	
Business Administrative Technology	
Computer Aided Drafting	
Construction Technology	
Dental Pathway	
Diesel Technology	
Early Childhood Education	
Fire Science	
Heating, Ventilation and Air Conditioning Technology	
Industrial Maintenance and Automation	
Machine and Manufacturing Technology	
Police Science	
Welding Technology	

Kansas Academy of Math and Sciences KAMS

KAMS is a challenging opportunity for exceptional students who are ready for the college experience. A residential program at Fort Hays State, KAMS allows students to study and conduct research with PH.D. faculty and peers to continue their intellectual growth. KAMS is an Early College Program that the Kansas state legislature enacted in 2006 to promote STEM education for exceptional Kansas students. Qualified juniors and seniors in high school attend Fort Hays State University tuition free for up to 68 college credits. Books, laptop, and fees are included. Room & board is not included. Scholarships are available. <http://www.fhsu.edu/kams>

Career Clusters and Pathways

Career Pathways provide students a sequential set of classes to explore careers of interest and develop skills in preparation for post-secondary plans. **Introductory level** courses are an introduction to a specific or multiple clusters or pathways that require similar foundation knowledge and skills taken prior to the technical and application-level courses. **Technical level** courses focus on specific skills that are needed within the career area and focus on acquiring practical technical skills specific to the cluster/pathway. **Application-level** courses build on the technical level courses and include opportunities for the learner to demonstrate knowledge attained through practical application of skills. These courses should provide “real-world” experiences in the classroom with industry mentors or through professional workplace experience.

Benefits of College and Career Pathways

- Career exploration so student can determine his/her career and educational plan beyond high school
- Freedom to explore multiple pathways/career interests
- Exposure to high-demand, high-income industries
- Access to exclusive project-based learning experiences
- College credit opportunities

Career Clusters: These are the divisions of the Kansas fields that include occupations organized around knowledge and skills that have common characteristics and job duties. These are represented by the petals on the flower.

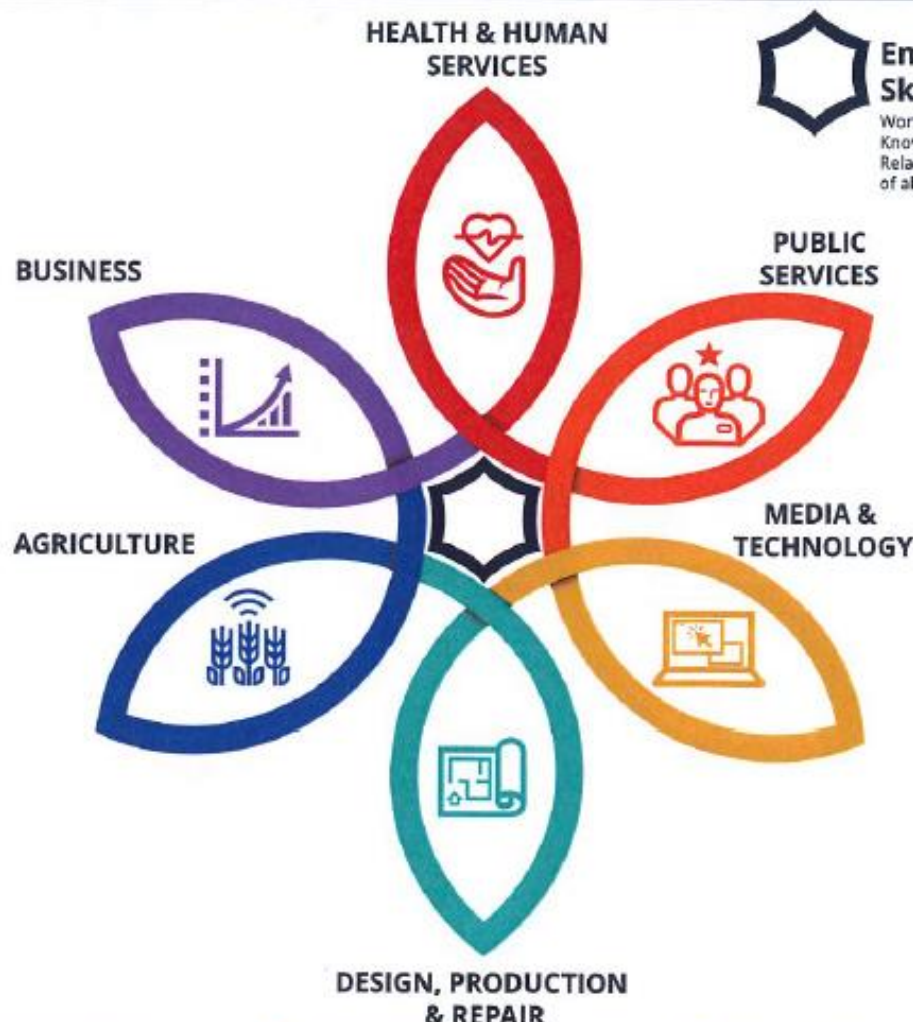
A career pathway **concentrator** is a student who has earned two or more secondary level credits in a single CTE pathway, which includes a combination of at least two of the three levels: introductory, technical and application and meets a 70% proficiency on a technical skills assessment.

A career pathway **completer** is a student who has completed a minimum of three secondary level credits in a single CTE pathway, with at least two of those credits being a combination of technical and application-level courses. A completer must also earn or complete at least one of the following.

- End of the pathway assessment/certification
- Earn 9+ college hours leading to completion of a certificate or postsecondary program aligned to the pathway’s program of study
- Complete a high-quality work-based learning experience

Kansas Careers

INDUSTRIES | CLUSTERS | PATHWAYS



Employability Skills

Workplace Skills, Applied Knowledge and Effective Relationships are at the heart of all **Employability Skills**.

HEALTH & HUMAN SERVICES

Healthcare & Human Services

- Biotechnology
- Family, Community & Consumer Services
- Health Science

MEDIA & TECHNOLOGY

Digital Technology

- Information Support & Services
- Media Design & Communications
- Networking & Telecommunications
- Programming & Software Development

AGRICULTURE

Agriculture

- Agricultural Technology & Mechanical Systems
- Animal Science, Health & Related Industries
- Diversified Agricultural Science
- Food Products & Processing Systems
- Plant Science & Industry Operations

Energy and Natural Resources

- Energy
- Natural Resources & Environmental Sustainability

PUBLIC SERVICES

Education

- Early Childhood Development & Services
- Teaching/Training

Public Service & Safety

- Corrections, Security, Law & Law Enforcement Services
- Emergency & Fire Management Services
- Government & Public Administration

DESIGN, PRODUCTION & REPAIR

Advanced Manufacturing

- Automation Engineering
- Aviation Production
- Engineering & Applied Mathematics
- Manufacturing

Construction

- Construction & Design

Supply Chain & Transportation

- Aviation Maintenance & Operations
- Vehicle Maintenance & Repair

BUSINESS

Financial Services

- Business Finance

Hospitality, Events & Tourism

- Restaurant & Event Management
- Travel & Tourism

Management & Entrepreneurship

- Business Management & Entrepreneurship

Marketing & Sales

- Marketing

HEALTH & HUMAN SERVICES Possible careers: Banker, financial advisor, caterer, chef	
Family, Community & Consumer Services	
Introductory	
<ul style="list-style-type: none"> • Introduction to Human Services 	
Technical	
<ul style="list-style-type: none"> • Culinary Essentials • Nutrition & Wellness • Parenting & Family Studies • Human Growth & Development: The Early Years 	
Application	
<ul style="list-style-type: none"> • Career & Community Internship 	
Student Organization: FCCLA	

HEALTH & HUMAN SERVICES Potential Careers: Dentist, doctor, physical therapist, pharmacist, nurse	
Health Science	
Introductory	
<ul style="list-style-type: none"> • Medical Investigations 1 	
Technical	
<ul style="list-style-type: none"> • Human Anatomy & Physiology • Fundamentals of Medical Terminology (SATC) • Nutrition & Wellness • Sports Medicine 	
Application	
<ul style="list-style-type: none"> • Certified Nurse Assistant (SATC) • Certified Medical Assistant (SATC) • Medical Investigations 2 • Medical Internship Rotation 	
Student Organization: HOSA	

PUBLIC SERVICES Potential Careers: Child care specialist, teacher, professor	
Teaching & Training	
Introductory <ul style="list-style-type: none"> • Introduction to Human Services 	
Technical <ul style="list-style-type: none"> • Teaching as a Career • Parenting & Family Studies • Human Growth & Development – Early Years 	
Application <ul style="list-style-type: none"> • Teaching Internship 	
Student Organization: FCCLA	

PUBLIC SERVICES Potential Careers: Preschool Teachers, Childcare Workers, Daycare Providers	
Early Childhood Development and Services	
Introductory <ul style="list-style-type: none"> • Introduction to Human Services 	
Technical <ul style="list-style-type: none"> • Foundations of Early Childhood Development • Parenting and Family Studies • Human Growth and Development-Early Years 	
Application <ul style="list-style-type: none"> • Early Childhood Applications 	
Student Organization: FCCLA	

MEDIA & TECHNOLOGY Potential Careers: Web designer, journalist, video graphics designer	
Media Design & Communications	
Introductory	
<ul style="list-style-type: none"> • Computer Applications 2 	
Technical	
<ul style="list-style-type: none"> • Computer Programming • Graphic Design 2D + Graphic Design Digital • Multimedia Production Editing + Web Page Design 	
Application	
<ul style="list-style-type: none"> • Web & Design Workplace Experience • Career Internship (Graphic Design) 	
Student Organization: BPA	

DESIGN, PRODUCTION & REPAIR Potential Careers: carpenter, construction manager, project manager	
Construction & Design	
Introductory	
<ul style="list-style-type: none"> • Introduction to Industrial Technology (Middle School) 	
Technical	
<ul style="list-style-type: none"> • Basic Drafting + Computer Aided Drafting • Architecture Drafting • Cabinetmaking 1 • Residential Carpentry 1 	
Application	
<ul style="list-style-type: none"> • Cabinetmaking 2 • Cabinetmaking 3 • Computer Aided Drafting (SATC) • Construction Technology (SATC) • Research Advanced Drafting 	
Student Organizations: Skills USA & TSA	

DESIGN, PRODUCTION & REPAIR Potential Careers: Architect, Data Scientist, Engineer	
Engineering & Applied Mathematics	
Introductory	
<ul style="list-style-type: none"> • Introduction to Engineering 	
Technical	
<ul style="list-style-type: none"> • Basic Drafting + Computer Aided Drafting • Principles of Engineering 	
Application	
<ul style="list-style-type: none"> • Engineering Design & Development • Computer Aided Drafting (SATC) 	
Student Organizations: Skills USA & TSA	

AGRICULTURE Potential Careers: veterinarian, vet tech, animal trainer, farm manager	
Animal Science, Health, and Related Industries	
Introductory	
<ul style="list-style-type: none"> • Introduction to Agriculture 	
Technical	
<ul style="list-style-type: none"> • Animal Science 	
Application	
<ul style="list-style-type: none"> • Advanced Animal Science • Agricultural Leadership and Communications 	
Student Organization: FFA	

AGRICULTURE Potential Careers: machine operator, welder, equipment technician	
Agricultural Technology & Mechanical Systems	
<ul style="list-style-type: none"> • Introduction to Agriculture 	Introductory
<ul style="list-style-type: none"> • Metals 1 	Technical
<ul style="list-style-type: none"> • Metals 2 • Metals 3 • Agricultural Leadership and Communications 	Application
Student Organization: Skills USA	

BUSINESS Potential Careers: Business/restaurant owner or manager, entrepreneur	
Marketing	
<ul style="list-style-type: none"> • Business Essentials 	Introductory
<ul style="list-style-type: none"> • Accounting 1 • Marketing 1 • Entrepreneurship 	Technical
<ul style="list-style-type: none"> • Marketing Management 	Application
Student Organization: BPA	

BUSINESS Possible careers: restaurant owner, caterer, chef, event manager	
Restaurant & Event Management	
Introductory	
<ul style="list-style-type: none"> • Business Essentials • Introduction to Human Services 	
Technical	
<ul style="list-style-type: none"> • Baking and Pastry I • Culinary Essentials • Culinary Menus + Culinary Professionals • Nutrition & Wellness 	
Application	
<ul style="list-style-type: none"> • Career & Community Internship • Culinary Internship 	
Student Organization: FCCLA	

Kansas Board of Regents Qualified Admissions and Kansas Scholar Program

Qualified Admissions

The six state universities in Kansas--Emporia State University, Fort Hays State University, Kansas State University, Pittsburg State University, The University of Kansas, and Wichita State University--use the standards below, set by the Kansas Board of Regents, to review applicants for undergraduate admission.

ACCREDITED HIGH SCHOOL Freshman applicants, under the age of 21, who graduate from an accredited high school, will be guaranteed admission to six state universities by meeting the Qualified Admissions requirements designated by each university, as follows:

Emporia State University, Pittsburg State University, Fort Hays State University, and Wichita State University:

- Cumulative High School GPA 2.25+ or ACT 21+ (SAT 1060)*

Kansas State University:

- Cumulative High School GPA 3.25+ or ACT 21+ (SAT 1060)*

University of Kansas:

- Cumulative High School GPA 3.25+ OR Cumulative GPA 2.0+ and ACT 21+ (SAT 1060)*

ALL Institutions Require: • Cumulative GPA 2.0+ for College Credits earned in High School

KANSAS SCHOLARS' CURRICULUM IS RECOMMENDED BUT NOT REQUIRED: To best prepare for the rigor of college-level courses, the Kansas Scholars curriculum is recommended. One unit is equivalent to one year, or two semesters: English 4 units; Math 4 units, 1 unit of each: Algebra 1, Geometry, Algebra II 1 unit: Advanced Math; Social Science 3 units; 1 unit U.S. History, .5 unit U.S. Government, .5 unit World History, 1 unit: Social Science; Science 3 units, 1 unit of each: Biology, Chemistry, & Physics; Foreign Language 2 units of the same language.

Kansas Scholars Curriculum

Consists of the following:

English - 4 years

One unit to be taken each year. Must include substantial recurrent practice in writing extensive and structured papers, extensive reading of significant literature, and significant experience in speaking and listening.

Mathematics - 4 years

Algebra I, Algebra II, Geometry, and one unit of advanced mathematics-- suggested courses include: Analytic Geometry, Trigonometry, Advanced Algebra, Probability and Statistics, Functions or Calculus. Completion of Algebra I in 8th grade is acceptable; the student would then only need three years of math in high school.

Science - 3 years

One year each in Biology, Chemistry, and Physics, each of which include an average of one laboratory period a week. Applied/technical courses may not substitute for a unit of natural science credit.

Social Studies - 3 years

One unit of U.S. History; minimum of one-half unit of U.S. Government and minimum of one-half unit selected from: World History, World Geography or International Relations; and one unit selected from: Psychology, Economics, U.S. Government, U.S. History, Current Social Issues, Sociology, Anthropology, and Race and Ethnic Group Relations. Half unit courses may be combined to make this a whole unit.

World Language - 2 years

Two years of one language. Latin and Sign Language are accepted.

KBOR College General Education Framework

7 Buckets

Course Number	Course Title	Course Level				Col Credits	Bucket 1 (6-9)	Bucket 2 (3-5)	Bucket 3 (3-5)	Bucket 4 (4-5)	Bucket 5 (6-9)	Bucket 6 (6-9)	Bucket 7 (6-9)	Format**
		9*	10	11	12									
961301/2	AP Language & Composition – SATC			X		3	✓							T/C
961401/2	AP Literature & Composition – SATC				X	3	✓							T/C
KS6623/4	KSU English 4 – Expository Writing 1 & 2				X	6	✓							D
962101/2	AP Studio Art 2D				X	3						✓		T
962201/2	AP Studio Art 3D				X	3						✓		T
906361/2	Algebra 2/Trig – SATC College Algebra			X	X	3			✓					C
966451/2	AP Calculus				X	3			✓					T
KS6653	KSU College Algebra Dual			X	X	3			✓					D
KS6523	KSU Plane Trigonometry Dual			X	X	3			✓					D
906371/2	Pre-Calc/Trig. – SATC Trigonometry			X	X	3			✓					C
KS6593	KSU Speech Dual: Public Speaking 1		X	X	X	3		✓						D
968201/2	AP Biology – SATC General Biology			X	X	5				✓				T/C
968301/2	AP Chemistry – SATC General Chemistry			X	X	5				✓				T/C
908371/2	Human Anatomy & Physiology – SATC			X	X	5				✓				C
968361/2	AP Physics		X	X	X	5				✓				T/C
968371/2	AP Physics 2			X	X	5				✓				T
KS6533	KSU Biology Dual: Principles of Bio w/Lab			X	X	4				✓				D
KS6563	KSU Chemistry Dual: General Chemistry			X	X	3				✓				D
KS6573	KSU Chemistry Dual: General Chem Lab			X	X	1				✓				D
KS6673	KSU Physics Dual: General Physics w/Lab			X	X	4				✓				D
908351/2	Physics –SATC Physics		X	X	X	5				✓				C
969311/2	AP American History			X		3						✓		T
969433	AP Government & Politics				X	3					✓			T
969453	AP Macroeconomics			X	X	3					✓			T
969111	AP Psychology			X	X	3					✓			T
969211/2	AP World History		X			3						✓		T
KS6603	KSU Econ/SS 4 Dual: Principles of Macroeconomics			X	X	3					✓			D
KS6613	KSU Econ/SS 4 Dual: Principles of Microeconomics			X	X	3					✓			D
KS6693	KSU Psychology: General Psychology			X	X	3					✓			D
KS6703	KSU Sociology Dual: Intro to Sociology			X	X	3					✓			D

*9th grade only available for gifted

Format – T=Test, B=Blended, C=Concurrent, D=Dual **All options require payment of testing fee or tuition.

Kansas Board of Regents Systemwide General Education Seven Bucket Framework

The systemwide GE program framework is below and is comprised of 34-35 credit hours organized in six discipline-based “buckets” and an institutionally designated bucket. A student who satisfies all seven buckets will complete the systemwide GE program. Additionally, here is a [printable version](#) of the GE framework.

Bucket #1: English Discipline Area



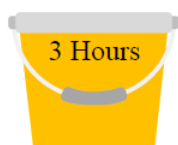
6 Hours of English Courses

Bucket #2: Communications Discipline Area



3 Hours of Communications Courses

Bucket #3: Mathematics & Statistics Discipline Area



3 Hours of Math or Statistics Courses
College Algebra
Contemporary/Essential Math
Elementary Statistics

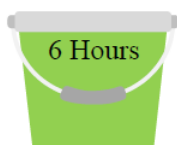
Bucket #4: Natural & Physical Sciences Discipline Area



4-5 Hours from One Subject (must include a lab)

Anatomy
Astronomy
Biochemistry
Biology
Botany
Chemistry
Earth Science
Ecology
Environmental Science
Geology
Meteorology
Microbiology
Physical Geography
Physical Sciences
Physics
Physiology
Zoology
Other subjects that the offering institution determines fit within the natural and physical sciences area

Bucket #5: Social & Behavioral Sciences Discipline Area



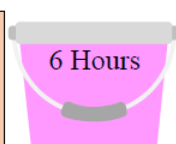
6 Hours in at Least Two Courses from Two Subject Areas
Anthropology
Criminal Justice
Economics
Ethnic and/or Gender Studies
Geography
Political Science
Psychology
Social Work
Sociology
Other subjects that the offering institution determines fit within the social sciences area

Bucket #6: Arts and Humanities Discipline Area



6 Hours in at Least Two Courses from Two Subject Areas
Art *
Communications
Cultural Studies
Dance*
English
General Humanities
History
Literature
Modern and Classical Languages
Music*
Philosophy
Religion
Theater*
Other subjects that the offering institution determines fit within the arts and humanities
*The application of performance courses in this subject area is at the discretion of the institution.

Bucket #7: Institutionally Designated Area



6 Hours Determined by the Institution.

This area provides flexibility for each institution to define requirements to account for societal issues, local needs, and institutional priorities (Intermediate Algebra shall not be applied toward meeting this area).

Last Updated February 2024

COURSE DESCRIPTIONS

BUSINESS

Business OJT A – V00151

Credit: .5

Business OJT B – V99152

Credit: .5

Grade Level: 12

Course Length: Full Year

Prerequisite: See Requirements Below

Business OJT (On The Job Training) is a course designed to allow students to experience actual on-the-job training in the student's occupational area. Students will be dismissed from school for one-block. This course is a half credit per semester no matter what the release time. **Requirements:** Student must have completed or be enrolled in at least (3) courses in the Business Career sequence and complete a formal application. Students must have secured employment prior to the beginning of the school year. Students **MUST** provide their own transportation to and from the site.

Business Law – SV7000

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: None

Students learn about the American legal system. They examine ethics, court systems, criminal law, and law of torts. They examine how the court systems work together, and what misconduct results in going to court. It is important to also understand your consumer rights. As they progress through the online Business Law course, they will also gain an understanding from a business perspective what is right and wrong business actions and employment laws. As an employee or employer it is important to understand the laws that protect the employee and employer. The study will focus on the formation of a business and the basic legal issues associated with each type of business.

Entrepreneurship & Business – V00503

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: None

The modules are designed to cover all aspects of entrepreneurship including traits of successful entrepreneurs, business management, hiring employees, creating a company culture, managing finances, and marketing products and services. Each module will challenge students to put themselves in the role of an entrepreneur and consider how they will handle the extensive responsibilities of starting a business.

Financial Literacy – V00063

Credit: .5

Grade Level: 12

Course Length: 1 Semester

Prerequisite: See Requirements Below

This course is designed to help students budget, keep a checkbook and filing system, deal with debt and credit, and become wiser consumers. Students will learn how money and the dynamics surrounding it affect their relationships, their lifestyles, and their retirement. This is a required elective for seniors.

Health Careers – SV7021

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: None

In this course students explore a variety of career options related to the health care field, including medicine, nursing, physical therapy, pharmacy, dental careers, child care, sports medicine, personal training, social work, psychology, and more. Students will learn about various options within each field, what each of these jobs entails, and the education and knowledge required to be successful. In addition, they will focus on basic job skills and information that would aid them in health care and other career paths.

Intro to Business – V00121

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: None

This course introduces students to the basic business concepts that will help them understand how a business survives in today's economy and the role that consumers play in the same economy. Students will learn how to balance a checkbook, save for the future, and use credit wisely. Students will also learn how to create a resume and how to participate in a job interview.

LEED Green Associate – SV7014

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: None

This course introduces students to the LEED process. LEED, or Leadership in Energy and Environmental Design, is the global standard for green building certification. Throughout the course, students will gain an understanding of the various components of green building. The theme of sustainability and sustainable construction is woven throughout each module both in terms of physical environment and as it pertains to LEED certification.

Project Management – SV7005

Credit: .5

Grade Level: 11-12

Course Length: 1 Semesters

Prerequisite: None

The Project Management course is intended to identify the key components of a career as a project manager. Students will review the basics in project management terminology, such as designating distinctions among projects, products, programs, and portfolios. They will delve into concepts like managing deliverables and creating engaging relationships with stakeholders. The primary components of project planning will be laid out and described in detail. Students will explore teams and organizational structures. They will discover project management tools and innovation being used in the industry. Overall, they will develop a greater understanding of the mechanisms that are in place to effectively carry out projects of any size through specific project management techniques.

Social Media Business Marketing – SV7055

Credit: .5

Grade Level: 10-12

Course Length: 1 semester

Prerequisite: None

This course provides the student with the foundational knowledge of social media technology and marketing principles. The course begins with an introduction to social media platforms and then goes in depth into the marketing and advertising strategies used to support a company's social media strategy and campaigns. Through activities and projects, students will gain firsthand knowledge of this exciting field.

Startups and Innovation – SV7008

Credit: .5

Grade Level: 11-12

Course Length: 1 Semester

Prerequisite: None

Students hear a lot of contradictory advice in life. On one hand, they may hear something like "Follow your dreams. Pursue your passion and the money will come!" On the other hand, they may hear something completely opposite, like "Most startups fail! It's much safer to get a safe, steady job." So which side is right? Given the massive changes to the economy and society, the skills of entrepreneurship are going to be critical in building a lasting career. The entrepreneurial mindset of searching for opportunities, creating value, and solving pain points will always be valuable. And this mindset applies not just to starting a business, but in any organization that someone is a part of: school, established companies, or non-profits. In this course, students will explore how to use this mindset to create the next world-class startup.

COMPUTER LITERACY

Augmented & Virtual Reality Applications – SV6004

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: none

Separating hype from reality is hard... especially in the fast-growing and evolving space of augmented and virtual reality (AR/VR). Recent advances in technology has allowed AR/VR systems to become extremely sophisticated and realistic. This course introduces students to the technologies that underpin AR/VR systems. Then the course walks through 7 applications of AR/VR and how they will change and impact numerous aspects of our lives and the economy. Students will also learn about and discuss the risks and side effects of these systems, including health, privacy, and ethical implications in our Augmented and Virtual Reality course.

Cloud Technologies – SV6013

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: none

First, we had the internet of computers. Then with the advent of email and social media, along with mobile technology, it became the internet of people. Today's world is increasingly becoming the internet of things. With advances in battery power, sensors, and computer chips, more and more devices are being connected to the internet. This will allow them to be monitored, controlled, and used more effectively for people and businesses. The online cloud technologies course will examine the trends and opportunities surrounding the Internet of Things (IoT). Students will learn about the technologies, hardware, and software that underpin the Internet of Things. The course will examine a variety of end-market applications in our homes, businesses and cities. Finally, students will learn about the many career opportunities that the Internet of Things will enable.

Cybersecurity S1, S2 – SV7028

Credit: .5

Grade Level: 9-12

Course Length: Year

Prerequisite: None

In the online Cybersecurity course, students will learn about the practice of protecting networks, systems, and programs from digital attacks. They will better understand the aim of these attacks, such as destroying information, extorting money and resources, or disrupting business operations. They will learn about the challenges and opportunities that implementing cybersecurity measures can present. As attackers become more innovative, it is more important than ever to have effective cybersecurity channels in place to counter them. Students will learn about countermeasures and role recovery and their integral function in the cyber security realm. Additionally, students will learn what makes certain networks and systems more vulnerable to attacks. They will become adept at identifying potential viruses, worms, threats, and malware. The Cybersecurity course acts as a foundation on which to build extensive knowledge about threats to digital security.

Digital Media – SV7056

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: None

Digital Media is a project-based survey of different forms of digital media, such as digital audio, imaging and illustration, movie editing, and animation. It's oriented toward teaching broad, flexible tools and concepts that are not tied to any one platform or program. Each module of the digital media online course ends with a culminating task (like a podcast or short film), and students will be able to draft and develop their projects as they build their skills over each lesson.

Digital Savvy A – SV6021

Credit: .5

Digital Savvy B – SV6022

Credit: .5

Grade Level: 9-12

Course Length: 2 Semesters

Prerequisite: Requires Windows and only available on in-person school computer unless student has access at home. No Chromebooks.

Digital Savvy is a one-year (two-semester) course covering required topics in most introductory "Information Technology" classes. Students should have minimal computer usage skills (e.g. keyboarding, mouse, and operating system navigation) prior to starting this course. The course material is designed to appeal to a variety of students, from traditional learners who thrive on written text to audio-visual students who enjoy a multi-media format. All content is delivered through an online system that allows students to work seamlessly both in the classroom and at home. Every chapter contains one or more hands-on activities that allow students to practice and demonstrate understanding of the lesson topics. A Windows or Mac OS computer is required for completion of the hands-on activities.

Graphic Design – V01463

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: None

Graphic Design is an introduction to elements of design, spatial relationships, typography and imagery as they apply to practical visual solutions for self-promotion, resumes, logo design, Web design, and sequential systems. In this course, the student explores the basic foundations of design through a series of visual projects that explore the principles and elements of design. Students will work both with analog and digital media as they explore two-dimensional and three-dimensional design along with color theory. This course will help develop and explore a student's ability to communicate visually.

History of Gaming and Esports – SV7009

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: None

In this course, students will learn about the technologies and design principles that have been the foundation of the development of video game technology over the last 50 years. Students will examine and discuss the impact of video games on culture and the economy. Students will learn about the current gaming and e-sports landscape, including strategies and techniques of top teams and individuals. This course will also discuss the risks and dangers of video games and understand how to set appropriate time and content parameters. Finally, the course will identify career paths and opportunities for those who are passionate about gaming.

Intro to Artificial Intelligence – SV7044

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: None

This course teaches what every student should know about Artificial Intelligence. AI is a fast-moving technology with impacts and implications for both our individual lives and society as a whole. In this course, students will get a basic introduction to the building blocks and components of artificial intelligence, learning about concepts like algorithms, machine learning, and neural networks. Students will also explore how AI is already being used, and evaluate problem areas of AI, such as bias. The course also contains a balanced look at AI's impact on existing jobs, as well as its potential to create new and exciting career fields in the future. Students will leave the course with a solid understanding of what AI is, how it works, areas of caution, and what they can do with the technology.

Microsoft Excel – SV6010

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: Requires Windows and only available on in-person school computer unless student has access at home. No Chromebooks.

This course introduces students to Microsoft Excel. Knowledge of this fundamental spreadsheet software has proven to boost career and employment prospects. Excel skills can boost productivity as a student and are useful in daily life, such as managing personal finances. Through an engaging and scaffolded approach, students advance from absolute basics like formatting and navigation, to performing complex tasks like data manipulation, macros, and PivotTables.

Microsoft Outlook – SV6020

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: Requires Windows and only available on in-person school computer unless student has access at home. No Chromebooks.

Students will gain insights into the features and capabilities of this essential email software. Students progress from fundamental processes like adding an account to more complex tasks, such as customizing features to better accommodate specific needs.

Microsoft Power Point – SV6011

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: Requires Windows and only available on in-person school computer unless student has access at home. No Chromebooks.

This course introduces students to Microsoft PowerPoint. Students will gain critical skills in this essential presentation software, which will benefit them in their education and professional futures! Students start by learning fundamentals like slide creation and navigation, and progress to more complex tasks like 3D Models, Animations, and Transitions.

Microsoft Word – SV6014

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: Requires Windows and only available on in-person school computer unless student has access at home. No Chromebooks.

This course introduces students to Microsoft Word. Students will gain insights into the features and capabilities of this essential software within personal, educational, and business settings. Over 11 modules, students' progress from absolute basics like navigation, to performing complex tasks like graphic elements and collaboration.

Networking – SV7030

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: none

The Networking course identifies the key principles of Networking in today's connected world. From network fundamentals and componentry to automation and programming, students learn the details of network access, connectivity, and security essentials. Through engaging interactivities, simulations, and projects, students will explore these networking concepts to further their career potential in this field.

ELECTIVES

Aeronautics and Space Travel – SV7027

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: None

This course introduces students to the history and near future of space travel. Students will explore the possibilities of moon bases, Mars colonies, and visiting the outer planets in our solar system and their moons. Students will also discuss important ethical and legal issues around space exploration, such as asteroid mining and war in space. The online Aeronautics course gives an expansive view of the technologies, science, and theories that will make far-fetched dreams into realities during the student's lifetime.

Accounting 1A – V00011

Credit: .5

Accounting 1B – V00012

Credit: .5

Grade Level: 10-12

Course Length: 2 Semesters

Prerequisite: None

In our online Accounting course, you will explore accounting, including investigating accounting careers. You will learn basic accounting skills and procedures both with and without a computer for general journals, general ledgers, cash payments journals, cash receipts journals, sales journals, accounts payable ledgers, and accounts receivable ledgers. You will also learn how to reconcile a bank statement and to prepare payroll records. This course covers the basic principles of financial accounting for individuals and for companies with attention to both the mathematical formulas and to the ethical side of accounting. Each unit has practical exercises including a project at the end of the unit.

Agriscience I – SV7050

Credit: .5

Grade Level: 9-12

Course Length: 1 semester

Prerequisite: None

This course will prepare students for careers in agriscience. Throughout the modules, students will gain an understanding of some of the fundamental issues in agriscience, including safety, environmental factors such as climate change and extreme weather conditions, plant and animal science and food safety. Additionally, students will explore how they can emerge as leaders in such a complex and exciting industry.

Agriscience II – SV7051

Credit: .5

Grade Level: 10-12

Course Length: 1 semester

Prerequisite: Agriscience I

In this course, students will explore the various components of agriscience careers and agricultural living. Beginning with career exploration, students will become familiar with the vast array of opportunities that exist in agriscience. Students will understand the ways in which plants, crops, and vegetation thrive in varying conditions. They will explore the fundamentals of running a successful agriscience operation, as well as how agriscience affects and is affected by global economic conditions.

Architectural Design I – SV7047

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: Requires Windows and free Revit program download; only available on in-person school computer unless student has access at home. No Chromebooks.

Students will review various concepts used in the design and architecture field. They will learn about basic drafting equipment and how to use and maintain it. They will analyze challenges and solutions within the development of design. They will also learn how to prepare drawings manually and using AutoCAD software. A substantial portion of the course will be spent on sequential processes so that students develop and understanding of creating and annotating drawings as well as how to apply standard rules regarding line types, offset objects, creating layers, and setting up a page for plotting. They will also explore three-dimensional drawing and use coordinating and navigation systems to create them.

Architectural Design II – SV7048

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: Arch Design I & NOTE: Requires Windows and free Revit program download; only available on in-person school computer unless student has access at home. No Chromebooks.

Students will identify the common sequential processes used in computer-aided drafting (CAD). These processes will provide students with the foundation of creating drawings in CAD software including the use of lines, circles, arcs, text, varied text styles, multi-leaders, dimensions, dimension styles, crosshatching, object property commands, arrays, reference angles, layers, page setup, reusable content, and gradient patterns. Students will also explore concepts of ethics and legal responsibilities. They will identify how policies and procedures are used to develop company culture and professional standards. Students will have the opportunity to investigate career opportunities in the drafting professions.

Architectural Design III – SV7049

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: Arch Design II & NOTE: Requires Windows and free Revit program download; only available on in-person school computer unless student has access at home. No Chromebooks.

Students will identify the common sequential processes used in computer-aided drafting (CAD). These processes will provide students with the foundation of creating drawings in CAD software including the use of lines, circles, arcs, text, varied text styles, multi-leaders, dimensions, dimension styles, crosshatching, object property commands, arrays, reference angles, layers, page setup, reusable content, and gradient patterns. Student will also explore concepts of ethics and legal responsibilities. They will identify how policies and procedures are used to develop company culture and professional standards.

Building Maintenance Technologies A – SV7011

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: none

This course will focus on all aspects of the construction industry from health and safety to the tools that every construction professional needs in their collection. They will learn about the various roles in the industry as well as job outlooks, educational and experiential requirements, and salary information. Some activities will focus on career exploration to discover career options that best align with interest and talents. Students will learn basic construction math and how it is applied during design and building phases of projects. They will learn specifics about carpentry, construction drawings, framing floor systems, framing walls, and framing roofs.

Building Maintenance Technologies B – SV7012

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: Building Maintenance Tech A and materials purchase

This course will focus on construction component, masonry skills, and OSHA. Students will learn about the various masonry and concrete skills as well as safety measures. Some activities will focus on real-world application of learned skills with hands-on components. Students will learn about erecting, plumbing, and bracing in relation to concrete as well as laying masonry units. Finally, students will learn important science skills for the construction industry.

Career Exploration in Dentistry – SV7016

Credit: .5

Grade Level: 9-12

Course Length: Single Semester

Prerequisite: None

This career exploration in dentistry course introduces students to the exciting and varied career opportunities in the dentistry profession, from dental assistant all the way up through oral surgeon. Students will review the history of dentistry globally and in the U.S., and will learn key dental terminology. The course will introduce the roles and tasks done as well as skills and education required of nearly every member of the dental staff. Students will gain an understanding of what it takes to perform each position, and how they work together.

Career Exploration in Finance – SV7001

Credit: .5

Grade Level: 9-12

Course Length: Single Semester

Prerequisite: None

This course introduces students to the challenging and lucrative world of finance. While “Wall Street” may still get a bad rap after the 2008 financial crisis, finance careers still remain highly sought after and can be highly rewarding. The course reviews key financial terms and examines various groups, positions, and roles within financial institutions. Students will learn about resumes, interviews, and networking. Students will also discuss ethics on Wall Street and the role of finance within society.

Career Exploration in Healthcare – SV7017

Credit: .5

Grade Level: 9-12

Course Length: Single Semester

Prerequisite: None

This course introduces students to the exciting and varied career opportunities in the health care industry that will be in demand in their future! The course will introduce the roles and tasks, identify education and skills needed, identify responsibilities of roles which support or supervise their role, analyze legal and ethical responsibilities, limitations, and implications for each of these professions.

Career Planning – V04113

Credit: .5

Grade Level: 9

Course Length: Single Semester

Prerequisite: None

The Career Planning course guides students through the essential elements of the career planning process and the development of a defined career plan. Students will consider the many factors that impact career success and satisfaction. Using a process of investigation, research, and self-discovery, students will acquire the understandings critical to the career planning process. Upon completion of the course, students will have created a practical and comprehensive college or career transition portfolio that reflects their skills and abilities, as well as their interests, values, and goals.

CNA Certified Nurse Aide – SV7018/ALH101 (SATC)

Credit: .5

Grade Level: 11, 12

Course Length: Semester

Prerequisite: Students must be 16 years of age. ACCUPLACER testing completed with a reading level of 8th grade or higher. Requires dual enrollment at CHS/SHS.

Through a variety of classroom and/or shop/lab learning and assessment activities, students in this course will focus on the basic concept of the role of a certified nurse aide in the long- term care setting. Students discuss the personal and professional characteristics and legal and ethical standards for the certified nurse aide role. Lab and clinical time are utilized to complete a checklist as well as the clinical requirement of the Certified Nurse Aid Program, practicing and demonstrating skills to become a CNA.

CMA Certified Medication Aide – SV7019/ALH110 (SATC)

Credit: .5

Grade Level: 11, 12

Course Length: Semester

Prerequisite: Students must be 18 years of age by the end of the course, have a current CNA license and a minimum of 25 hours clinical practice in a nursing facility. ACCUPLACER testing completed with a reading level of 8th grade or higher. Requires dual enrollment at CHS/SHS.

Through a variety of classroom and/or shop/lab learning and assessment activities, students in this course will provide Certified Medication Aids the skills and knowledge of safely and effectively administering medications in the scope of a CMA in the State of Kansas. The student will demonstrate and practice medication administration by mouth meds, ear and eye drops, suppositories, and inhalants. The medication aide will be able to read and understand medication terminology and medication orders within their scope of practice.

Child Development – SV7060

Credit: .5

Grade Level: 10-12

Course Length: Single Semester

Prerequisite: None

This course is designed to help prepare students for their responsibilities as parents and caregivers of children. Topics include prenatal care, growth and development through age six, teen pregnancy, maternal health, parenting skills, and child guidance.

Civics – SV2003

Credit: .5

Grade Level: 11

Course Length: 1 Semester

Prerequisite: None

In this course students will understand the significance of government, law, and politics. They will examine the United States foundational documents and how they shaped the United States government. Students will examine the purposes and functions of federal, state and local government, the justice system, political systems the environment, and the economy. Learners will evaluate their role and civic responsibility to their families, communities, and country including voting and being a productive member of society. Students will get to know leaders and influential people that have championed many causes including civil rights and the environment. Learners will also learn proper ways to interact in society including interpersonal skills and respecting differences in others including disabilities. Learners will follow a step-by-step approach for successfully completing each lesson, which includes textbook reading, interactive activities, supplemental reading, lecture, video clips, and Power Point presentations to enhance and reinforce learning. Learners receive frequent feedback from teacher and peers through discussions. By the end of the course students will have a deep understanding of their civic responsibilities as well as the difference one individual can make in society.

Construction: Fundamentals and Careers - SV7010

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: Requires special access of Sketch-Up on Chromebook

Our online construction fundamentals course introduces students to some of the foundational elements of home construction and then does a deep dive into careers, technology, and the future of home construction. It also addresses some of the academic proficiencies that different careers in the field of home construction will have to have. Later in the course, specific careers, career outlooks, and specialized education and training requirements will be covered. Students will discover the varied roles within the field as well as what it takes to own a construction company. Finally, the course delves into green construction and where the future of construction is headed.

Contemporary Novels – SV7013

Credit: .5

Grade Level: 10-12

Course Length: 1 Semester

Prerequisite: LA 9

For this course, students will read a set of novels and novellas that were written during the twentieth century and reflect themes common to contemporary literature, such as the ability of the human spirit to rise above seemingly-impossible circumstances. Through creative projects and writing assignments, students will identify and analyze each novel's themes and also compare and contrast the novels' treatment of common themes. Please note that, like most contemporary literature, the novels assigned for this course contain realistic situations and language. In addition to the novels listed, each student will read another contemporary novel of his or her choosing that the instructor must approve. MLA (Modern Language Association) documentation is required on all papers submitted. Required course novels: Picture Bride, by Yoshiko Uchida,

Night, by Elie Weisel, To Kill A Mockingbird, by Harper Lee, Fallen Angels, by Walter Dean Myers, The Old Man And the Sea, by Ernest Hemingway, Rita Hayworth and Shawshank Redemption, by Stephen King.

Creative Writing A – SV7065
Creative Writing B – SV7066

Credit: .5
Credit: .5

Grade Level: 11-12

Course Length: 1 semester

Prerequisite: LA 9

Semester A – At the beginning of the semester, students consider the importance of word play exercises in improving their facility with language while building a compelling and creative writing style. Focusing on word nuances and precision, later lessons guide students to write in a variety of short modes—including poetry, song lyrics, prose poetry, short short stories, and creative nonfiction. There are several opportunities for peer review in this semester, during which students learn best practices for participating in writing workshops, and then revise their work using feedback from their peers. Semester B – This semester focuses on longer works of fiction: short stories, plays, and novels. Students learn basic techniques of plot and character development along with strategies for creating suspense and building a theme, and they have opportunities to write in several different genres. Lessons cover a few special topics as well, including graphic novels, animation, comedy, and improvisation. Students apply what they have learned about writing workshops and revising to the longer pieces of writing they create for this semester.

Drones: Remote Pilot – SV7029

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: None

This course prepares students to take the Federal Aviation Administration's Part A exam, which is a key step to becoming a commercial drone pilot. The field of unmanned aerial vehicles is growing rapidly, as the opportunities to use them for search and rescue, photography, recreation, inspection, and many others continue to multiply. Students will learn the critical facts to prepare for the test's topics, which include regulations, airspace & requirements, weather, loading & performance, and operations. The course will conclude with a look at the most promising careers in the field of drones.

Early Childhood Education A – SV7058

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: None

The course provides details about childhood development, health, nutrition, and guidance strategies to help students understand the exciting and unique opportunities that a career in early childhood education can offer. The course is intended to prepare students for challenges they may face, but to emphasize the rewards of being able to influence the life of a young child. The ability to offer support to children as they learn and grow is a point that is highlighted throughout each lesson.

Early Childhood Education B – SV7059

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: Early Childhood Ed A

This course is designed to provide an overview of the professional expectations of being an early childhood educator. Throughout the course, students will learn about what it means to be a professional, including the significance of professional development in any educational role. They will review observational methods and the history of education in the United States, with a focus on early childhood and school-age programs. They will spend a significant portion of the course learning about the importance of Developmentally Appropriate Practice and how to implement DAP strategies. Designing physical, social, and temporal environments will also be a major focus of the course, as will developing relationships with families and communities to strengthen their positions and knowledge.

Education & Teaching – SV7062

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: None

This course is designed to prepare future educators for the classroom they will inherit! It starts with a history of education and how blended, adaptive, and personalized learning are coming to the forefront in learning. It then explores new and emerging technologies, along with their current and future impact on education. Throughout the course, students will explore a wide range of career possibilities in the education field and evaluate both the promises and pitfalls of technology in education.

First Aid – SV7020

Credit: .5

Grade Level: 11, 12

Course Length: 1 Semester

Prerequisite: None

In this course, students learn and practice first aid procedures for a variety of common conditions, including muscular, skeletal, and soft tissue injuries. In addition, students learn how to appropriately respond to a variety of emergency situations. They also learn the procedures for choking and CPR for infants, children, and adults. In addition to emergency response, students will explore personal, household, and outdoor safety, and disaster preparedness.

Healthcare Information & Management Systems – SV7045

Credit: .5

Grade Level: 10-12

Course Length: 1 Semester

Prerequisite: none

Students will explore the comprehensive world of healthcare information and management. Students will learn about the history of the healthcare system as well as the current best practices in the field. They will explore the innovative technologies being developed and applied in patient care and patient privacy. Students will become familiar with the specific terminology utilized within the clinical and information technology systems. Students will investigate the complexities of the business of healthcare including data organization and security considerations. Finally, students will identify the ways in which communication and leadership go hand in hand with a thriving career in healthcare information and management systems.

Intro to Nursing A - SV7022
Intro to Nursing B - SV7023

Credit: .5
Credit: .5

Grade Level: 10-12

Course Length: 2 Semesters

Prerequisite: None

This two semester course introduces students to the field of nursing. In the first semester students will learn about the history and evolution of nursing, education and licensure requirements, career path options, and nursing responsibilities. Students will also focus on foundational information such as basic anatomy, physiology, medical terminology, pharmacology, first aid, and disease prevention. In Semester B, Students will examine various nursing theories, as well as focus on the nursing process, including assessment, diagnosis, and treatment options. Students will also learn about professional and legal standards and ethics. Additional skills of communication, teaching, time and stress management, patient safety, crisis management will be included.

Journalism – SV7057

Credit: .5

Grade Level: 9-12

Course Length: 1 Semesters

Prerequisite: None

This course is designed to prepare you to become a student of journalism and media. The work we do here will equip you with the critical skills you must have to succeed in high school media, college media, and beyond. We will read a variety of journalistic material and do a great deal of news writing. We will also look at journalism from legal, ethical, and historic vantage points. Expect to complete numerous writing activities in a variety of styles including editorial, hard news, feature, review, and more. If you participate actively, you will gain tremendous skills that will serve you for the rest of your life. Individual and group project will also be a part of this class. This course is a project-based course and does not include traditional tests, unit level understanding is assessed through unit projects.

Marine Science – SV7035

Credit: .5

Grade Level: 9

Course Length: 1 Semester

Prerequisite: None

About 70% of the Earth is covered by water. Even today, much of the world's oceans remain unexplored. Marine scientists make exciting new discoveries about marine life every day. In this course, students will discover the vast network of life that exists beneath the ocean's surface and study the impact that humans have on the oceans.

Media & Communication – SV7004

Credit: .5

Grade Level: 9

Course Length: 1 Semesters

Prerequisite: None

From banner ads to billboards, newspaper articles, and Facebook feeds, people are constantly sharing ideas. This course looks at the many facets of mass media. Students will learn how the media shapes every aspect of our lives. We examine the role of newspapers, books, magazines, radio, movies, television, and the growing influence of Facebook, YouTube, and Twitter.

Medicine – SV7024

Credit: .5

Grade Level: 9

Course Length: 1 Semesters

Prerequisite: None

This course provides students with an introduction to healthcare, with emphasis on modern, clinical medicine. Students review basic human anatomy and physiology, then study major health concerns affecting people in the U.S. and the world. This comprehensive, 6-unit course examines such topics as infectious diseases, cancer, traumatic injuries, and healthcare career opportunities.

Paleontology – SV7036

Credit: .5

Grade Level: 9

Course Length: 1 Semester

Prerequisite: None

From Godzilla to Jurassic Park, dinosaurs continue to captivate us. In this course, students will learn about the fascinating creatures both large and small that roamed the earth before modern man. Watch interesting videos from experts at The Royal Tyrrell Museum, a leading paleontology research facility, and discover how the field of paleontology continues to provide amazing insight into early life on earth.

Personal Leadership – SV7064

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: none

Personal leadership skills are an important tool we use to build relationships and communication skills. Upon completion of this course, learners will be able to identify their own emotions, thoughts, and values and how they influence behavior. They will describe social skills needed for healthy and supportive relationships. They will also explain healthy and responsible decision making at school, work, and home. Learners will also identify and understand the perspectives of and empathize with others, including those from diverse backgrounds, culture, and contexts.

Psychology A – SV7067

Credit: .5

Psychology B – SV7068

Credit: .5

Grade Level: 9-12

Course Length: 2 Semesters

Prerequisite: None

In Psychology A the student begins with a brief history of psychologists and their experimental methods. Next, they examine personality theories. Then human development from the infant stage through adult stage is explored. Finally, the last part of the course is about consciousness: sleep, dreams, and conscious-altering substances. Students are encouraged to increase their own self-awareness as they move through the course. In Semester B, Students examine the nature of intelligence in humans and animals, including the origin of intelligence and how to measure it. They learn about learning with an emphasis on classical and operant conditioning. Students also investigate social psychology and psychological disorders. They demonstrate their understanding by completing projects in which they play roles like teacher, parent, and psychologist.

Renewable Energy – SV7015

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: None

The earth's population is growing rapidly, and we need to find new, innovative ways to ensure that we are able to provide for our global energy needs. Students will look at the reasons why sustainability is important, take a balanced and evidence-based look at climate change, and learn new ways that we can harness renewable resources.

Robotics: Applications and Careers – SV7031

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: None

It seems like many elementary to high school robotics courses are focused on simply coding a Lego robot to move its mechanical arm up and down. This course, in contrast, teaches students what a robot is and how it relates to other key technologies such as artificial intelligence and machine learning. Then the course examines 10 applications of robots and how they will change and impact various aspects of our lives and the economy. Will robots simply steal our jobs, or will they be a tool that will create new opportunities and even free humans to use our creativity and curiosity to their full potential? Students will grapple with this and many other questions as they explore this vital, future-focused subject.

Smart Cities: Technology and Applications – SV7032

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: None

This course will provide students with an overview of smart cities. The course will begin by providing a foundational explanation of what constitutes a smart city and why they are beginning to pop up around the globe. With a firm understanding of what a smart city is, the majority of the course will focus on various aspects of them such as energy, transportation, data, infrastructure, mobility, and IOT devices. The course will conclude with an analysis of careers related to smart cities.

Space Exploration - SV7037

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: None

In 1961, Yuri Gagarin became the first human to go to space. In 1969, Neil Armstrong became the first human to step on the moon. This comprehensive course will examine the history and future of space travel. Find out how we have put people in space in the past, and what it will take for us to reach new frontiers, including Mars and beyond.

Sociology – V09123

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: None

Sociology examines the basics of sociology, which is the study of society including individuals, human groups, and organizations. The course is divided into four main areas: the sociological perspective, social structures, inequality in society, and social institutions and change. Students will examine controversies around social change, inequality, gender, and race. The course revolves around an overview of the field with projects that offer the student a chance to explore from a sociologist's perspective. Required reading: The House on Mango Street, by Sandra Cisneros.

Study Skills & Strategies – SV7054

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: Administration placement only

This course will help you take control of your learning. As you complete the study skills lessons and activities, you will acquire a knowledge of proven ways to learn efficiently and effectively.

Best of all, you can immediately apply what you learn here to other online or traditional high school courses.

But don't be fooled; what you learn here will apply well beyond the classroom. You can use your new strategies and skills to learn and remember more in every area of life: academics, sports, relationships and work.

Teaching as a Profession – SV7063

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: None

Teaching can be a highly rewarding profession. Throughout the course, students will explore career opportunities within the field of education. They will learn what it means to be a professional in the classroom, whether as a co-teacher or managing a diverse group of students. Students will explore the history and best practices in the teaching profession as well as professional development opportunities.

Transportation Technologies – SV7033

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: None

This course introduces students to the newest and most cutting-edge futuristic transportation technologies out there. Students gain familiarity with the history of transportation development and understand a framework with which to evaluate new transportation modes. Then the course dives into 10 different technologies on the horizon. Students examine the technologies, the pros and cons of each mode, and explore potential career paths in these emerging fields.

Wearable Technology Innovations – SV7034

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: None

From hearing aids to pedometers to smart watches, humans have made and worn devices to overcome physical deficiencies, count their steps, and communicate. With the continue miniaturization of chips and sensors, combined with increasing sophistication of artificial intelligence, wearable technology has proliferated into countless end-markets. This course will introduce students to wearable technologies and the components and software that make these technologies possible. The course will also evaluate several applications of wearable technologies in various industries. Finally, the course will examine and discuss the implications of wearable technology, including its pros and cons, and potential implications to our health, privacy, and society.

World Geography A – V09051

Credit: .5

World Geography B – V09052

Credit: .5

Grade Level: 9

Course Length: 2 Semester

Prerequisite: None

The student will be taught to use the basic skills of map reading and development, geographic technology, and the recognition of geographic themes to make sense of the world. The course examines world regions including the nations, people, and cultures of the Americas and Western Europe. In Semester B, The content continues to teach the basic skills of map reading and development, the use of geographic technology, and the recognition of geographic themes. The focus examines the world regions, including the nations, people, and cultures of Central Europe and Northern Eurasia, Central and Southwest Asia, South Asia, Africa, East Asia, and the Pacific.

English

Language Arts 9 A/ (English 1A) – V01101
Language Arts 9 B/ (English 1B) – V01012

Credit: .5

Credit: .5

Grade Level: 9

Course Length: 2 Semester

Prerequisite: None

In English 1 students study basic grammar and usage concepts and are introduced to more advanced grammar such as phrases and clauses. Sentence construction is emphasized as well. Students are expected to study a variety of literature including drama a novel and Greek and roman mythology. Students are introduced to multi-paragraph expository compositions and are expected to respond in writing to the literature studied. This course is designed in part to prepare students for admission to a university.

Language Arts 10 A/ (English 2A) – V01201
Language Arts 10 B/ (English 2B) – V01202

Credit: .5

Credit: .5

Grade Level: 10

Course Length: 2 Semester

Prerequisite: Language Arts 9

The writing focus of the sophomore year is a continuation of paragraph and essay construction skills. Students will learn to plan organize and develop essays drawing both from literature and life. Literary studies include Hansberry's a raisin in the sun and either animal farm or lord of the flies as well as units in poetry short stories and nonfiction. Grammar units on clauses and verbs as well as review of prior grammar instruction will build the student's knowledge of language structure. This course is designed in part to prepare students for admission to a university.

Language Arts 11 A/ (English 3A) – V01301
Language Arts 11 B/ (English 3B) – V01302

Credit: .5

Credit: .5

Grade Level: 11

Course Length: 2 Semester

Prerequisite: Language Arts 9 & 10

Through a concentrated study of American literature junior students have opportunities to become acquainted with major American writers. Required units will be over the crucible one of three novels and persuasive speaking and writing. Students will expand upon essay skills and write a research paper. Grammar studies will include practical application of grammar to writing. This course is designed in part to prepare students for admission to a university.

Language Arts 12 A/ (English 4A) – V01401
Language Arts 12 B/ (English 4B) – V01402

Credit: .5

Credit: .5

Grade Level: 12

Course Length: 2 Semester

Prerequisite: Language Arts 9, 10 & 11

Students will employ the six traits of effective writing in a variety of pieces including the literary essay. Literature studies include masterpieces of British literature such as Beowulf selections from the Canterbury tales one of Shakespeare's plays and brave new world. Students are required to develop and present a multimedia project. Poetry and short story units as well as vocabulary study should also strengthen students' English skills preparing them for college or career. This course is designed in part to prepare students for admission to a university.

Fine Arts

Art 1 A (Advanced Drawing, Part 1) – V02001 **Art 1 B (Advanced Drawing, Part 2) – V02002**

Credit: .5
Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: Basic Drawing

In Advanced Drawing, students will be reviewing basic drawing skills and the elements and principles of design, while exploring deeper how they are used in art. Students will also explore, in-depth, several different types of media and artistic styles in order to define their personal aesthetic and design their own compositions. All projects in this course will be an original composition by the student. After instruction and research, students will be given prompts and guidelines on how to create each project, but the final outcome will be unique to each person. At the end of the course, students will compile and organize their artwork into a digital portfolio and write an artist statement. This can be used as a record of personal accomplishment or as an application to a secondary art program or job.

Art Appreciation – SV5500

Credit: .5

Grade Level: 8-12

Course Length: 1 Semester

Prerequisite: None

What makes an artwork a masterpiece? Why do artists create art? What is the difference between Rococo and Art Nouveau? In this course, students will discover the answers to these questions and more. We examine the elements of art and principles of design, and explore how artists have used these elements and principles in the creation of art for centuries.

Art History – SV5501

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: None

This Art History course integrates the four components of art study: art production, historical and cultural context, critical process and aesthetic process. Students will be able to identify and describe art from prehistoric times to modern time. Throughout this course, students will discuss various artworks, research artists, and create documents and presentations demonstrating concepts learned.

Beginning Painting – SV5504

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: None

This course introduces students to classical and contemporary painting, techniques and concepts, with emphasis on the understanding of its formal language and the fundamentals of artistic expression. Painting from still life, landscape, and life models from observation will be geared towards realism; at the same time, various other painting styles could be explored. Color theory, linear perspective, compositional structure, figure/ground relationships, visual perception, spatial concepts, and critical thinking skills will all be emphasized. Students will study and research major painting styles and movements in historical context. The hope is that students will use this global approach to develop a “critical eye” in evaluation of contemporary painting. Acrylic and watercolors are the mediums used in this class. The main emphasis of this course is to encourage and nourish individuality and creativity.

Beginning Piano – SV7069

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: requires piano, laptop, camera or recording device

Upon completion of this course, learners will identify and describe the development of sounds in music and perform with expression and technical accuracy in individual performances of a varied repertoire of music on a piano. Students will learn about parts of the piano. They will also learn the letter names of the notes used in piano playing and their placement on the keyboard. They will also gain an understanding of basic music theory. Students will then begin playing notes and chords on the piano. They will continue to develop these skills to be able to write and perform final version of compositions.

Music Appreciation – SV7046

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: None

Students will gain a thorough understanding of music by studying the elements of music, musical instruments, and music history, as well as music advocacy. Students will be introduced to the orchestra and composers from around the world. They will be required to be a composer, performer, instrument inventor, and advocate.

Theatre Studies – SV5505

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: None

Have you ever wondered how a play goes from the playwright's mind all the way into a multi- million dollar Broadway production? In this course, you'll learn the whole process! This course provides a thorough introduction to the theater by providing an overview of major topics in theater studies, with a blend of theoretical and practical lessons. In the first half of this course you will learn about the definitions of theater, theater history, and contemporary theatrical genres. The second of half of the course will guide you through all of the elements of putting on a professional theatrical production. You will learn about the entire production process, from playwriting through opening night, including elements of technical theater, the rehearsal process, and audience response. Whether you're an aspiring actor, technician, director, or producer, or even just an avid theater-goer, this course is for you.

Foreign Language

French 1 A – V03011
French 1 B – V03012

Credit: .5
Credit: .5

Grade Level: 9-12

Course Length: 2 Semesters

Prerequisite: None

French 1 focuses on developing listening skills by repeated exposure to the spoken language. Speaking skills are encouraged through recommended assignments using voice tools. Reading and writing skills, as well as language structures, are practiced through meaningful, real-life contexts. The use of technology enhances and reinforces authentic language development and fosters cultural understandings through exposure to native speakers and their daily routines.

French 2 A – V03021
French 2 B – V03022

Credit: .5
Credit: .5

Grade Level: 9-12

Course Length: 2 Semesters

Prerequisite: French 1

Students focus on the continuation and enhancement of language skills presented in Level 1. Vocabulary and grammar structures are revisited and expanded to provide students an opportunity to move towards an intermediate comprehension level. Speaking and listening skills are enhanced through recommended real-life voice activities. Listening skills are honed through online dialogues. Reading and writing skills are developed through access to completion of meaningful activities, reading of culturally-related articles of interest and responding to reading in the target language. The use of technology enhances and reinforces authentic language development and fosters cultural understandings through exposure to native speakers and their daily routines. In Semester B, vocabulary and grammar structures are revisited and expanded as students explore other French-speaking areas. Speaking and listening skills are enhanced through recommended real-life voice activities. Listening skills are honed through online dialogues. Reading and writing skills are developed through access to completion of meaningful activities related to travel, to the Olympics, to natural disasters, and to the space program. Reading of culturally related articles of interest and responding to reading in the target language, along with the use of technology, reinforces authentic language development and fosters cultural understandings through exposure to native speakers and their daily routines.

Spanish 1 A – V03311
Spanish 1 B – V03312

Credit: .5
Credit: .5

Grade Level: 9-12

Course Length: 2 Semesters

Prerequisite: None

Semester A, is an introduction to Spanish language and culture. Students learn to start with the basics of greetings and basic conversation, working to incorporate ideas from their life and experiences in Spanish conversation. This will be accomplished through written and verbal expression of the Spanish language. Building upon Semester A, Spanish 1 Semester B expands to asking questions and conversational Spanish throughout one's neighborhood and daily life. Through real-life scenarios and learning examples, students will describe situations, in Spanish, both verbally and written.

Spanish 2 A – V03321
Spanish 2 B – V03322

Credit: .5
Credit: .5

Grade Level: 9-12

Course Length: 2 Semesters

Prerequisite: Spanish 1

Students build upon the foundation developed in Spanish 1. They continue to build vocabulary, learn new verb tenses and other grammar concepts, and they increase their ability to communicate with others. They learn new concepts, like reflexive verbs, infinitive expressions, commands, the imperfect tense. Semester B will continue building on vocabulary, grammar concepts and communicating effectively in the target language. You will explore new countries where Spanish is spoken and continue to keep abreast of current events in the Spanish-speaking world.

Spanish 3 A – V03331
Spanish 3 B – V03332

Credit: .5
Credit: .5

Grade Level: 9-12

Course Length: 2 Semesters

Prerequisite: Spanish 1 & Spanish 2

Students continue to develop their ability in reading, writing, speaking, and understanding Spanish through a systematic review of its structure. Students focus on applying vocabulary in a wider array of situations by learning about the past progressive and subjunctive moods and the present, future, and conditional tenses.

Health/Physical Education

Health A – V07003

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: None

In this course, students acquire the knowledge and skills they need to lead a healthy life. The course focuses on the impact of personal decisions on the student's own health. Students learn how to find, evaluate, and use reliable information related to a variety of health topics. They also study the basic science behind nutrition, exercise, stress, and psychology, and examine how these factors affect a person's overall health. Each lesson in the course guides students in applying what they have learned in the lesson to their own lives and choices—and gives them a chance to discuss the topic with peers and instructors. Students learn about some of the more dramatic changes that the human body experiences from birth to death. They explore topics related to aging and sexuality and identify ways to remain healthy and safe throughout life's major events and challenges. As in Semester A, this part of the course emphasizes what students can do to improve or maintain their own health and encourages them to be a positive influence on family and friends. Each lesson helps identify ways that students might use what they have learned in the lesson in their own lives. As in semester A, students discuss lesson topics with peers and/or an instructor.

Individual and Team Sports – SV5000

Credit: .5

Grade Level: 9-12

Course Length: 1 Semester

Prerequisite: None

Emphasis in this course is placed on the value of these sports as possible lifetime activities and on creating a clear explanation of the rules and basic principles of a variety of sports. The sports covered in this course are archery, bicycling, golf, skiing, tennis, volleyball, baseball, basketball, football, hockey, and soccer. Information about the playing area and equipment, basic rules, safety considerations, and terminology for each sport are included in the discussions. For the most part, the information presented in each lesson applies to sports programs throughout most sections of the United States.

Nutrition – V04133

Credit: .5

Grade Level: 9

Course Length: 1 Semester

Prerequisite: None

This course takes students through a comprehensive study of nutritional principles and guidelines. Students will learn about world-wide views of nutrition, nutrient requirements, physiological processes, food labeling, healthy weight management, diet related diseases, food handling, nutrition for different populations, and more. Students will gain important knowledge and skills to aid them in attaining and maintaining a healthy and nutritious lifestyle.

Personal Fitness – SV5001

Credit: .5

Grade Level: 9-10

Course Length: 1 Semester

Prerequisite: None

In this course, students are introduced to exercise and physical fitness and the general recommendations for physical activity, while examining the benefits of exercise, lifestyle choices that can help prevent disease, and tips for kick-starting a healthier lifestyle. Students will explore each type of fitness, include the benefits, and the federal guidelines for exercise in detail. Students will also learn about bones and joints and the functions of the skeleton, and the different types of movements that occur at various joints. Students will learn about the different types of muscle in their bodies, and how they are structured, with particular attention to the different types of muscle fibers. Students will explore the functions that muscles perform, how they work, and their interaction with the central nervous system and special considerations for safe and effective exercise. Students will learn how the cardio and respiratory systems work and interact with each other and about the different blood vessels that make up the circulatory (vascular) system.

Physical Education 1 – V07023 (Grade 9)

Credit: .5

Physical Education 2 – V07033 (Grade 10)

Credit: .5

Grade Level: 9-10

Course Length: 2 Semesters

Prerequisite: None

Physical Education encompasses learning how to live and maintain a healthy lifestyle. This course covers physical fitness, why it is important, how to have a healthy attitude, and how to stick with a healthy game plan. In this ever-changing world, physical fitness becomes more important and more difficult to find the time for. This course allows the student to discover how to make physical fitness not only a part of their daily life, but also see that it is attainable. This course leads the student to discover healthy behaviors and sets the tone for physical fitness as well as healthy exercise. PE for a Healthy Lifestyle will examine the emotional, physical, and scientific factors that influence physical performance. This course is designed for anyone, ranging from the beginner to advanced abilities.

Mathematics

Algebra 1 A – V06101
Algebra 1 B – V06102

Credit: .5
Credit: .5

Grade Level: 8-12

Course Length: Full Year

Prerequisite: See Requirements Below

Algebra 1 (semester A) introduces students to the world of Algebra through expressions and equations. Students will evaluate algebraic expressions, solve linear equations and graph them. This course also steers students through various real-world scenarios with the emphasis on using basic statistics to interpret the information given and found. Students learn through online lesson materials, videos and interactive activities. The end of each unit tests students' understanding with a self-check quiz with feedback. Also included is a unit exam and project for students to apply what they have learned. Teacher feedback is provided throughout the semester. Algebra 1 (semester B) builds on the concepts learned in the first semester by providing a strong foundation in solving problems. Students will work with problems and applications that involve exponents, quadratic equations, polynomials and factoring methods, rational and radical equations, data analysis and probability. Students will interact with course materials through online lessons, videos, interactive questions and real-world applications. Each unit ends with a self-check quiz to confirm knowledge of the concepts learned. There is also a unit exam and project. Teacher feedback is given throughout the course.

Algebra 2 A – V06351
Algebra 2 B – V06352

Credit: .5
Credit: .5

Grade Level: 8-12

Course Length: Full Year

Prerequisite: See Requirements Below

Algebra 1 (semester A) introduces students to the world of Algebra through expressions and equations. Students will evaluate algebraic expressions, solve linear equations and graph them. This course also steers students through various real-world scenarios with the emphasis on using basic statistics to interpret the information given and found. Students learn through online lesson materials, videos and interactive activities. The end of each unit tests students' understanding with a self-check quiz with feedback. Also included is a unit exam and project for students to apply what they have learned. Teacher feedback is provided throughout the semester. Algebra 1 (semester B) builds on the concepts learned in the first semester by providing a strong foundation in solving problems. Students will work with problems and applications that involve exponents, quadratic equations, polynomials and factoring methods, rational and radical equations, data analysis and probability. Students will interact with course materials through online lessons, videos, interactive questions and real-world applications. Each unit ends with a self-check quiz to confirm knowledge of the concepts learned. There is also a unit exam and project. Teacher feedback is given throughout the course.

Algebra 2/Trigonometry A – V06361
Algebra 2/Trigonometry B – V06362

Credit: .5
Credit: .5

Grade Level: 10, 11, 12

Course Length: Full Year

Prerequisite: Algebra 1 and Geometry

The primary focus of this course is to provide students with further algebraic concepts while reinforcing the algebraic and geometric concepts learned in earlier courses. This course includes such topics as algebraic expressions, functions, equations, linear systems, functions of quadratics, polynomials, exponential and logarithmic equations, and rational expressions and equations, conic sections, sequences and series, statistics, periodic functions and trigonometry. This course is designed to increase the high school level knowledge of algebraic concepts and, in part, prepare students for admission to a university. Students have opportunity to earn concurrent college credit through SATC.

Geometry A – V06201
Geometry B – V06202

Credit: .5
Credit: .5

Grade Level: 10

Course Length: Full Year

Prerequisite: Algebra 1

Geometry is the study of the measurement of the world. What makes Geometry so engaging is the relationship of figures and measures to each other, and how these relationships can predict results in the world around us. Through practical applications, the student sees how geometric reasoning provides insight into everyday life. The course begins with the tools needed in Geometry. From these foundations, the student explores the measure of line segments, angles, and two-dimensional figures. Students will learn about similarity, triangles and trigonometric ratios. In Semester B, the course builds on the foundation of the first terms in Geometry. As in previous courses, deductive and inductive reasoning are emphasized, while applying problem-solving techniques to real-world problems. Students explore quadrilaterals and circles and learn how an object is transformed, as well as how to represent that transformation algebraically and geometrically. Students calculate area and volume of two-dimensional and three-dimensional objects.

Pre-Calculus A – V06371
Pre-Calculus B – V06372

Credit: .5
Credit: .5

Grade Level: 11-12

Course Length: Full Year

Prerequisite: Algebra 1 & 2, Geometry

Students will understand and apply concepts, graphs, and applications of a variety of families of functions, including polynomial, exponential, logarithmic, logistic, and trigonometric. An emphasis will be placed on use of appropriate functions to model real-world situations and solve problems that arise from those situations. A focus is also on graphing functions by hand and understanding and identifying the parts of a graph. A scientific and/or graphics calculator is recommended for work on assignments and on examinations.

Pre-Calculus part B covers the major units of introductory trigonometry and graphs, trigonometric equations and identities, analytical trigonometry, sequences and series, conic sections, and an introduction to calculus. A focus is also on graphing functions by hand and understanding and identifying the parts of a graph.

Transitional Algebra A – V06111
Transitional Algebra B – V06112

Credit: .5

Credit: .5

Grade Level: 11-12

Course Length: Full Year

Prerequisite: Algebra 1 and Geometry

This course does not meet Board of Regents qualified admissions requirements.

The primary focus of this course is application of the major concepts presented in Algebra 1 and Geometry along with additional topics that provide a solid background for a technical education. The course will align to the common core state mathematical standards emphasizing the teaching of mathematics using authentic real-world scenarios, reasoning, and problem solving. The course will also include financial literacy components to prepare students for mathematical applications involving personal and business finance. The student completing this course should be prepared for either entering a technical field or for transitioning to an algebra 2 course the following year. This class does not count towards the Kansas Scholar Math requirement.

Natural Science

Human Anatomy & Physiology A – V08371
Human Anatomy & Physiology B – V08372

Credit: .5
Credit: .5

Grade Level: 9-12

Course Length: Full Year

Prerequisite: Biology or Chemistry

Human Anatomy & Physiology is a detailed introduction to the structures and functions of the human body. This course is an advanced biology course, and will provide students with a base knowledge adequate to prepare them to study either biology or a medical profession in college. Students interested in vocational work involving health care will also find this course useful. Topics are organized into units covering the major organ systems of the body. Emphasis will be placed on detailed knowledge of the structures of these systems (anatomy), and how those structures work together to allow optimal functioning (physiology). Supplementing this will be student led research and applicable lab experiences. Students will also be presented with opportunities to apply what they learn about the human body to make informed and intelligent personal decisions. This course is designed in part to prepare students for admission to a university.

Biology A – V08201
Biology B – V08202

Credit: .5
Credit: .5

Grade Level: 9

Course Length: Full Year

Prerequisite: Algebra 1

Biology A introduces students to the scientific method and the major concepts of biology from an historical and practical viewpoint. The three major themes of this course are the cell, the molecular basis of heredity, and the interdependence of organisms. Students who take this class will have a deeper appreciation for the complexities of living organisms. Life on this planet, unlike anywhere else in the observable universe, is complex and highly organized. Whether examining life on the molecular or the planetary level, it exhibits a highly organized structure that inspires awe by its genius and complexity. In the last 50 years, discoveries have launched new branches of biology that have transformed the daily routine, from conception to death. New challenges await, such as the current crisis in ecology, global warming, and the resurgence in viral disease. To make rational choices in the 21st century, the citizen must have a basic understanding of biological concepts and the reasoning behind them.

Chemistry A – V08301
Chemistry B – V08302

Credit: .5
Credit: .5

Grade Level: 10

Course Length: Full Year

Prerequisite: Algebra 1 & Geometry

In this course, students will discover what chemistry is, and how it is used and found all around us. The importance of the scientific method to solve real world problems will be investigated. Knowledge will be gained in the following areas: types of matter, atomic structure, chemical periodicity, chemical formula writing and naming, chemical equations. This course will also stress the important relationship between math and science while studying measurement, metric system and stoichiometry. Students will use higher order thinking throughout the entire course. An algebra background is recommended because of the amount and type of math involved.

Earth/Space Science A - V08101
Earth/Space Science B - V08102

Credit: .5
Credit: .5

Grade Level: 9

Course Length: 2 Semesters

Prerequisite: Pre-Algebra and Physical Science 8

This course covers Scientific Inquiry, the Structure and Composition of the Universe, and the Features of the Solar System. Students learn the importance of scientific inquiry and how to communicate the results of scientific investigations. They then have material on the formation of the universe, including the Big Bang Theory, the motions of celestial objects, and stellar evolution. The third module covers material related to the Solar System, including features of the Sun and the planets and the movements of Earth. The second three modules of Semester 1 cover Weather, Climate, and Earth's Water Cycle. Students first learn in Module 4 about the atmosphere and clouds, as well as the factors that influence local and global climate. In Module 5 they continue by learning about weather and air masses, meteorology and storms. Module 6 then discusses the water cycle, including groundwater and ocean features, as well as water scarcity and pollution.

Physical Science A – V08151
Physical Science B – V08152

Credit: .5
Credit: .5

Grade Level: 9

Course Length: 2 Semester

Prerequisite: None

This is an introduction to the Physical Sciences and scientific methodology. The objectives are to impart a basic knowledge of the physical properties and chemistry of matter. Skills are developed in the classroom, and reinforced through homework reading, and interesting labs that relate to everyday life.

Physics A – V08351
Physics B – V08352

Credit: .5
Credit: .5

Grade Level: 11

Course Length: 2 Semester

Prerequisite: None

Students begin their exploration of physics by reviewing the International System of Units (SI), scientific notation, and significant digits. They then learn to describe and analyze motion in one and two dimensions. Students learn about gravity and Newton's laws of motion before concluding the course with an examination of circular motion, energy, and simple machines. Students apply mathematical concepts such as graphing and trigonometry in order to solve physics problems.

Oral Communication

Speech – V01393

Credit: .5

Grade Level: 9-12

Course Length: Semester

Prerequisite: None

This course is an introduction to public speaking that emphasizes the communication process, types of speeches, and argumentation. The purpose of this course is to prepare students for public speaking situations, decrease speaker anxiety, and provide them with basic principles of research and organization needed for effective speeches.

Social Science

American Government – SV2002

Credit: .5

Grade Level: 12

Course Length: 1 Semester

Prerequisite: World History

This course will guide students through an in-depth study of the history, structure, and guiding principles of American government. The first unit will review the origins of government in general and American government in particular—from the earliest models for democracy to the founding documents that created a federalist system of government in the U.S. Several units will help students explore the roles and responsibilities of each branch of government as well as the impact that the Constitution has had and continues to have on the way government works and on the lives of individual Americans. The course's final unit will guide students through a series of projects that require them to apply what they have learned about American government to an issue that interests them.

American History A – V09311

Credit: .5

American History B – V09312

Credit: .5

Grade Level: 11

Course Length: 2 Semesters

Prerequisite: World History

This course covers the discovery, development, and growth of the United States. Major topics include; American Indian cultures, European colonization of the Americas, and the causes and effects of the American Revolution. Geographical, economic, and political factors are explored as the key factors in the growth of the United States of America. American History I is a survey of the struggle to build the United States of America from the colonial period to the beginning of the twentieth century. By means of reading, analyzing, and applying historical data, students come to appreciate the forces that shaped our history and character as an American people. Not only are the topics of American history discussed, but students also explore research methods and determine accurate sources of data from the past. Knowing the facts and dates of history are just the beginning: each student must understand how history affects him or her.

Economics – V09423

Credit: .5

Grade Level: 12

Course Length: 1 Semester

Prerequisite: None

This course introduces the principles and the applications of economics in everyday life. Students develop an understanding of limited resources, and compare it with unlimited wants and needs. Students learn how individual and national economic decisions are made to allocate goods and services among competing users. Students apply economic principles to think and problem solve. The study of Economics uses the view of economic institutions and policies to explore the history, organization, and functions of the U.S. government in controlling our economy. It offers students learning opportunities that build one on another. A goal of the course is for the student to develop the critical skills of analysis, synthesis, and evaluation in a demanding and thoughtful academic setting. Students are encouraged to use their knowledge of the policies and institutions of economics to develop their own views on current economic and monetary issues. They are taught how to apply what they have learned into personal financial activities. The course looks closely at the economic knowledge and values of the country and gives students a look into the problems faced by presidents, and congressional representatives. It also covers the roles of political activists, political parties, interest groups, and the media in shaping the U. S. economy. The Supreme Court is presented as the voice of reason in the balance of powers. Students are encouraged to perform at higher levels as they are presented with historical documents and additional readings, work with a set of facts arranged by theme, become skillful in note-taking, and join in student discussions. Students develop and demonstrate their writing skills by preparing extended research-based papers.

World History A – V09211

Credit: .5

World History B – V09212

Credit: .5

Grade Level: 10

Course Length: 2 Semester

Prerequisite: None

World History begins with a focus on the skills needed to read, understand, and analyze history, also demonstrating how historians and social scientists arrive at their conclusions about human history. Semester A covers the history of civilization from hunter-gatherer societies through the characteristics of the earliest civilizations to the Enlightenment period in Western Europe. The second half of Semester A explores early intellectual, spiritual, and political movements and their impact on interactions among world cultures. In the second semester, World History emphasizes the effects of the Industrial Revolution and changing attitudes about science and religion as well as the impact of European colonization. Students are encouraged to make connections between World War I and II and events related to the Cold War and between 19th-century imperialism and modern independence movements.

COLLEGE COURSE OPTIONS



Admission Requirements: High School GPA: 2.0

Tuition: \$100 per credit hour

Concurrent Credit Courses: These courses are taught at a USD 305 high school by a USD 305 instructor.

Advantage of Completing BCED100: Introduction to Education at Bethany College:

Students who complete BCED100 with a grade of C or better would be granted access to pertinent Bethany online classes listed below at a rate of \$100 per credit hour. These courses would be taken solely online with traditional-path Bethany students.

BCCJ10-Criminal Justice (3 credit hours)

The course is taught by a USD 305 teacher on USD 305 campus in consultation with a Bethany College instructor. USD 305 students must be enrolled in American Justice to be eligible to take BCCJ100: Criminal Justice for concurrent credit. An overview of the history, philosophy and social development, courts, and corrections in a democratic society. Identification and operations of local, state and federal agencies will be covered with criminal justice career orientation.

BCED 100: Introduction to Education (1 credit hour) - **Concurrent Credit:**

The course will be taught by a USD 305 teacher on our campus. The USD 305 teacher will work in consultation with a Bethany College instructor. USD 305 Students must be enrolled in both Teaching as a Career A and Teaching as a Career B in order to earn concurrent credit for BCED100. Introduction to Education is designed to help direct those students who are considering a career in pedagogy—the science of teaching. The seminar combines an exploration of the teaching profession with an exploration of the student as a potential teacher. Students learn about the varying levels and subjects available for teachers and the professional potential for each. In addition, each student constructs an Individual Development Plan to examine not only his or her skills and interests, but also his or her strengths and weaknesses as a future teacher.

***BCED200 Introduction to Teaching: Classroom Experience** (3 credit hours) - **Concurrent Credit:**

This course is an exploratory field experience class. Students considering a career in education will work with a cooperating teacher in a classroom setting to gain experience in the field. Students will gain insight into the career of teaching through observing, reflecting, and presenting a lesson in this hands-on experience. Passing ED 200 is required for admittance to the Teacher Education Program. Prerequisites: BCED100 or consent of the instructor or education department chair.

Dual Credit Courses: These courses are taught by Bethany College Instructor online.

BCMA104: College Algebra (3 credit hours) - Offered as an online summer course.

Designed as a course for those students needing College Algebra but not Trigonometry as a requirement for their major or for General Education. Topics include inequalities, logarithms, theory of equations, systems of equations by determinants, complex numbers, graphs, and identities. No credit will be given to those who have passed a calculus course or BCMA 102. A graphing calculator is required: the TI-83 plus or TI-84 plus are recommended. Any calculator that performs symbolic manipulation will not be allowed. This course also meets the general education qualitative skills requirements. Prerequisite: Math ACT score of 20 or BCMA096 with a grade of C or higher.

BCED240: Diversity and Pluralism in Education (3 credit hours) - Currently offered as an online summer course.

This course is designed to study the relationships among diverse groups within our society, emphasizing historical perspective, various social and cultural systems which demonstrate social differences, class distinction, and social mobility, as well as the impact of second language acquisition on today's classrooms. The course provides opportunities for a variety of guest speakers, which helps preservice teachers reflect on others' experiences, cultural values, beliefs, and behaviors. This course will include an early field experience in a culturally diverse classroom or educational or community setting. Prerequisite: BCED 100 or consent of instructor.

BCGO120: Human Geography (3 credit hours) - Currently offered every Fall/Spring semester as an online course.

An investigation into the concepts and methods of geographical analysis. This course examines the spatial patterns of population distribution, cultural diversity, economic activities, political entities, and residential settlement. Emphasis is placed on social, political, and economic behavior from the perspective of decisions relative to space and resource utilization.

BCED251: Instructional Technology (2 credit hours) - Currently offered as an online summer course.

A methods course designed to give education majors a practical, working knowledge of various instructional technologies as they apply to the teaching/learning process. Prerequisite: BCED 100 or consent of instructor.

Aerospace and Technology Campus

Enrollment Options

1. **General Education Classes:** Students that are not planning to earn a degree from K-State Salina can take general education courses to transfer to another institution after high school. Students that are still undecided on a college and/or major are welcome to take classes to help find their passion. Students can enroll in the courses they wish as long as they meet any applicable pre-requisites and/or placement scores. Check out our general education passport guide!
2. **Certificates:** Students can enroll in courses towards a K-State certificate in Applied Cyber Systems Design or Intro to UAS Technology while in high school. Students cannot be officially admitted to their certificate program until the summer after their high school graduation and need to meet K-State admissions requirements at that time.
3. **Program Jump Starts:** Students that are interested in pursuing a K-State Salina degree or certificate can enroll in introductory classes in their intended technology or aviation program. They can work in consultation with K-State to choose classes for the program that fit into their high school schedule each semester.

Who Can Enroll?

Students can start enrollment as sophomores with public speaking. All other classes are available for juniors and seniors. Students with gifted IEPs can start a year earlier. Admission to K-State is dependent on review of demonstrated academic abilities including cumulative High School GPA, performance on previous K-State courses, and successful completion of prerequisite courses. Final determination will be made by K-State staff.

Course Schedule

The K-State course schedule that lists all courses is always available online at <https://courses.k-state.edu/courses/schedules.html>. Select the applicable semester, then select *Course Schedule*. Scroll down and select *Salina Campus – All classes* to see our full course schedule.

Cost

High school students receive a reduced tuition rate of \$129.81/credit hour for the 24-25 school year. Some courses may incur a lab, software, or alternative textbook fee. General education courses with prefixes BIOL, CHM, COMM, COT, ECON, ENGL, GEOL, MATH, PHYS, PSYCH, SOCIO, SOCWK, and STAT will be sponsored down to \$50 per credit hour. Major/program course with prefixes AMP, AVM, AVT, BUS, CMST, CYBR, ECET, MET, MLAS, PPIL, and UAS will be sponsored down to \$85 per credit hour. *This rate is subject to change each year. The 26-27 school year rates will be available in July.*

Admission, Enrollment, and More Information

Visit our website <https://www.salina.k-state.edu/academics/precollege/> for detailed steps of the application and enrollment process and for more information about our program.

Have Questions

Contact us at salinaprecollege@k-state.edu. We are here to help!

GENERAL EDUCATION PASSPORT

For students wanting to get started with general education courses, we recommend following the [Kansas Board of Regents systemwide general education](#) framework to get a jump start on their college degree. The classes listed below are offered by K-State Salina to meet these general education requirements. Many of these are guaranteed to transfer to any KBOR institution; however, students are responsible for verifying transferability and utilization of all pre-college courses they enroll in.

ENGLISH – Choose 2

- ENGL 100 EXPOSITORY WRITING 1*
- ENGL 200 EXPOSITORY WRITING 2*

COMMUNICATION – Choose 1

- COMM 106 PUBLIC SPEAKING*

MATH & STATISTICS – Choose 1

- MATH 100 COLLEGE ALGEBRA*
- MATH 220 ANALYTIC GEO & CALCULUS 1*
- STAT 225 INTRO TO STATISTICS*

NATURAL & PHYSICAL SCIENCE – Choose 1

Course must include a lab component.

- BIOL 198 PRINCIPLES OF BIOLOGY*
- CHM 110/111 GENERAL CHEMISTRY*
- PHYS 113 GENERAL PHYSICS 1*
- PHYS 114 GENERAL PHYSICS 2*

ARTS & HUMANITIES – Choose 2

The 2 courses must be from different subject areas.

- AVT 100 INTRO TO AVIATION
- COT 150 HUMANITIES THROUGH THE ARTS
- COT 175 INTRO TO CULTURAL STUDIES
- ENGL 251 INTRO TO LITERATURE*

SOCIAL & BEHAVIORAL SCIENCE –

Choose 2

The 2 courses must be from different subject areas.

- ECON 110 PRINCIPLES OF MACROECONOMICS*
- ECON 120 PRINCIPLES OF MICROECONOMICS*
- PSYCH 110 GENERAL PSYCHOLOGY*
- SOCIO 211 INTRO TO SOCIOLOGY*
- SOCWK 100 SOCIAL WORK: THE HELPING PROFESSION*
- SOCWK 200 BASIC SKILLS FOR WORKING WITH PEOPLE *(only offered even years)*

INSTITUTIONAL DESIGNATED ELECTIVES – Choose 2

Use a curriculum guide for the program you will be pursuing or contact an academic advisor to help you select these classes.

FOR K-STATE, ANY 100/200 LEVEL COURSES WILL QUALIFY. OTHER INSTITUTIONS MAY HAVE SPECIFIC REQUIREMENTS FOR THESE COURSES.

***GUARANTEED TO TRANSFER TO ANY
KBOR INSTITUTION**

CERTIFICATE AND JUMP START OPTIONS

For students interested in a K-State Salina degree, we recommend following these certificate and jump start options to get exposure to the program by enrolling in the introductory courses. Students interested in these programs will be connected with K-State Salina to receive academic advising for these programs and to plan their course schedule.

Applied Cyber Systems Design Certificate

The Applied Cyber Systems Design Undergraduate Certificate is a comprehensive program designed to equip students with the essential knowledge and skills to excel in the dynamic field of cyber systems design. This certificate program, typically completed in one to two years, offers a focused curriculum that combines theory with hands-on practical experience. The certificate is stackable into our bachelor's degrees in [Immersive Systems Design](#) and [Machine Learning and Autonomous Systems](#).

Required Courses (12 credit hours)

CYBR 103 Computing Principles
CYBR 137 Principles of Interactive Digital Storytelling
CYBR 250 Hardware & Network Fundamentals
MLAS 100 Survey of Machine Learning & Autonomous Systems

General Aviation Maintenance Concepts Certificate

This accelerated certificate program prepares students to take the FAA Aviation Mechanic General Knowledge Test after completing just four foundational courses (AMP 101–104). The curriculum introduces critical areas including maintenance regulations, technical drawings, aircraft structures and materials, tools and measuring equipment, and basic electrical theory. This program delivers FAA Part 147-aligned instruction and hands-on experience, providing a fast-track entry into the aviation maintenance industry or further training toward full certification. The certificate is stackable into our associate and bachelor's degrees in [Aviation Maintenance](#).

Required Courses (14 credit hours)

AMP 101 Intro to Aviation Regulations & Aircraft Theory
AMP 102 Aviation Math & Physics
AMP 103 Concepts of Aircraft Materials & Tooling Standards
AMP 104 Basic Aircraft Electricity & Ground Operations
AMP 105 Application of General Aviation Maintenance Concepts

Intro to UAS Technology Certificate

The Introduction to UAS Technology certificate provides a basic introduction to current UAS technologies. Students completing the certificate will be able to safely handle, operate, and repair both multi-rotor and fixed-wing UAS. The certificate is stackable into our bachelor's degree in [Uncrewed Aircraft Systems: Flight & Operations](#).

Required Courses (14 credit hours)

UAS 114 Remote Pilot Certification for UAS
UAS 115 Intro to Multi-Rotor Flight Lab

UAS 270 Intro to UAS
UAS 272 UAS Safety Fundamentals
UAS 275 Small UAS Maintenance I
UAS 280 Multi-Rotor Construction Lab

Applied Business Jump Start

The applied business associate degree enables the graduate to succeed in an entry-level business position or to continue working toward a bachelor's degree in one of many business fields, including business, accounting, and management. The courses below are suggested to get a jump start on this program.

Suggested Courses (12 credit hours)

ECON 110 Principles of Macroeconomics or ECON 120 Principles of Microeconomics
BUS 110 Intro to Business
BUS 251 Financial Accounting
BUS 252 Managerial Accounting

Professional Pilot Jump Start

The aviation maintenance program prepares students to take the Federal Aviation Administration's Airframe and Powerplant certification. Lab space consists of more than 11,000 square feet to gain hands-on experience working on a real aircraft. The courses below are suggested to get a jump start on this program.

Suggested Courses (12 credit hours)

AVT 100 Intro to Aviation
PPIL 210 Aviation Safety
AVT 250 Safety & Security of Airport Ground Operations
AVT 242 Aviation Meteorology

Jump Start Options for Other K-State Salina Programs

Contact salinaprecollege@k-state.edu to learn what introductory courses may be available for students to take in these other exciting programs:

[Aviation Management](#)

[Mechanical Engineering Technology](#)

[Robotics & Automation Engineering Technology](#)

[Social Work](#)

FREQUENTLY ASKED QUESTIONS

Is the application process free?

Yes, the application for admission to K-State for pre-college enrollment is free. If a student applies for admission after high school, an application fee will be assessed at that time.

Are high school students eligible for federal financial aid, grants, and/or loans?

No, high school students are not eligible for federal financial aid. Federal requirements state that students must have a high school diploma or GED to be eligible for federal aid.

Are scholarships available to help pay for courses?

No K-State scholarships are currently available for pre-college enrollment. Other scholarship opportunities may exist at the student's high school for dual credit/concurrent enrollment. Talk to a counselor to see.

When is tuition due?

For fall, tuition generates in July and will be due the first day of the K-State semester in August. For spring, tuition generates in December and will be due the first day of the K-State semester in January. For summer, tuition generates in May and will be due mid-June. Students should check their [KSIS](#) account and K-State email for official tuition correspondence.

What if students cannot pay off their tuition balance by the beginning of the semester?

Students can setup a [Tuition Installment Payment Plan](#) with a \$45 non-refundable fee that will divide the semester's tuition into 4 monthly payments. Another option is to just make payments over the course of the semester knowing that a 1.5% late fee will be assessed each month until all charges are paid in full. If a student is only enrolled in 1 or 2 classes, the late fee option may be cheaper than the payment plan fee. Either way, students need to have their entire balance paid off by the end of the semester.

Do parents/guardians have access to students' financial records?

By default, no. A student's financial account is considered private information protected under [FERPA](#). Students can opt-in to allowing a parent/guardian to have access to their billing information by granting [Designated Access](#) through [KSIS](#).

Will students need to purchase a textbook?

Yes, students will need to purchase a textbook for their course if the course requires one. Some courses utilize open/alternative resources that don't require a traditional textbook. Textbook information can be found by clicking the textbook icon next to a course on the online course schedule or by selecting the "Salina courses materials" link found in the Student Center in [KSIS](#) once the student is enrolled. Textbooks can be purchased at the bookstore in the College Center, room #101 or [online](#).

How will students know where their classrooms are located and where to park?

All new students are required to attend a new student orientation before the semester starts. A brief tour will be included to show students where all their classrooms are located as well as where to park.

Where can students find their course schedule?

Enrollment for summer and fall begins mid-April. Enrollment for spring begins mid-November. Once enrolled, students are encouraged to check their course schedule in [KSIS](#) by going to *Student Center*, *Other Academic*, and *Class Schedule*.

Does the K-State academic calendar match high school calendars?

The K-State academic calendar will not match other high school calendars. Start dates, end dates, final exam times, and holiday breaks will most likely be different. It is important for students to follow K-State's [Academic Calendar](#) for official university dates.

Can students drop a course after they are enrolled?

Yes, students can drop a course if the request is received within the allowed drop timeframe. Please see the [Academic Calendar](#) for official drop/refund deadlines. Keep in mind that dropped courses may still be listed on a student's transcript. There are also refund dates associated with dropped courses. There is only a short time to drop a course for a 100% refund.

Are grades mailed to residences at the end of the semester?

Grades are not mailed to students' residences. Final grades are posted online in their student accounts. Students can view their grades under the *My Academics* tab in [KSIS](#).

Do parents/guardians have access to students' academic records?

Due to [FERPA](#), parents/guardians do not have access to a student's academic record at the university level. Students can log into [KSIS](#) by using their eID and password to access their academic records. K-State policy prohibits students from sharing their account password with anyone.

How can students order a transcript?

Students can order an official transcript from their [KSIS](#) account by clicking on *Other Academics*. Current students may submit transcript orders at no charge. There is a short window of about 4 weeks after the semester ends to order them for free. After that, a \$15 transcript fee will apply for each transcript order for former students. No walk-in or email requests for transcripts can be accepted. Students can also download an unofficial transcript themselves from the same location in [KSIS](#).

Will courses transfer to other colleges/universities?

Every university or college has its own policies on what courses they accept for transfer. Please check with an admissions representative or transfer portal at the college the student plans to attend. Many of K-State's general education courses are guaranteed to transfer across all the public higher education institutions in Kansas. Visit the Kansas Board of Regents [transfer site](#) for more information.

If students enroll in pre-college courses and want to attend K-State after high school, do they need to submit another application for admission?

Yes, students will need to submit another [application for admission](#) to their specific program because admissions requirements may be different. An application fee will be assessed at that time. If a student plans to attend the Manhattan campus, no K-State transcript needs to be sent from the Salina campus as their pre-college classes will already be loaded in KSIS.

How can a campus tour be arranged?

If students are interested in attending K-State after high school, please schedule a campus tour online for the [Salina Campus](#) or [Manhattan Campus](#).

What correspondence will parents/guardians receive to be kept in the loop on enrollment?

Parents can receive general information about K-State's enrollment process and course options from their high school through enrollment events or by contacting K-State. Once enrollment occurs, all enrollment and tuition correspondence from K-State will be sent to students only through their K-State email address. Even though students are still in high school, they are treated as college students. We hope that students do share information with their parent/guardian, but that responsibility lies with the student to have those conversations.

List of K-State Salina Courses with Descriptions

Below is a list of dual credit offerings. Not all these classes are offered each semester. Interested students should check upcoming offerings with their high school guidance counselor or by checking the K-State course schedule. The K-State course schedule that lists all courses is always available online at <https://courses.k-state.edu/courses/schedules.html>. Select the applicable semester, then select *Course Schedule*. Scroll down and select *Salina Campus – All classes* to see the full course schedule.

K-State Course Prefix Key:

AMP – Aviation Maintenance
AVT – Aviation
BIOL – Biology
BUS – Applied Business
CHM – Chemistry
CMST – Computer Systems Technology
COMM – Communication
COT – College of Technology & Aviation (interdisciplinary)
CYBR – Cyber Systems Design & Dynamics
ECET – Electronic & Computer Engineering Technology
ECON – Economics
ENGL – English
GEOL – Geology
MATH - Mathematics
MET – Mechanical Engineering Technology
MLAS – Machine Learning & Autonomous Systems
PHYS – Physics
PPIL – Professional Pilot
PSYCH – Psychology
SOCIO – Sociology
SOCWK – Social Work
STAT – Statistics
UAS – Uncrewed Aircraft Systems

Aviation Maintenance

KSUAMP 101 Introduction to Aviation Regulations & Aircraft Drawings (3 credit hours)

Dual credit course taught online by K-State faculty.

A review of the role and organizational structure of the Federal Aviation Administration (FAA) as it relates to the certification and continued airworthiness of aircraft and its operation in general, business, and commercial aviation environments. Emphasis on the privileges and limitations of certificated personnel who maintain aircraft systems in the context of the FAA regulations. Includes concepts of weight and balance, logbook entries, and accurate use of graphs and charts. Students demonstrate the ability to read and comprehend information contained in FAA and manufacturers' aircraft maintenance specifications, data sheets, manuals, publications, and related Federal Aviation Regulations, Airworthiness Directives, and Advisory material. Students learn how to read, understand, and interpret aircraft drawings commonly found in the aviation maintenance industry. **USD 305 Course Code: XXXXXX**

KSUAMP 102 Aviation Math & Physics (3 credit hours)

Dual credit course taught online by K-State faculty.

This is a study of basic math and physics as required by aircraft technicians and defined by FAR 147. Use and understand the principles of simple machines, sound, fluid, and heat dynamics, basic aerodynamics, aircraft structures, and theory of flight. Apply, calculate, and solve basic math functions, ratios and proportions, and algebraic equations that are relevant to aviation. Students will also learn the concepts involved in weighing and balancing an aircraft.

USD 305 Course Code: XXXXXX

KSUAMP 103 Concepts of Aircraft Materials and Tooling Standards (3 credit hours)

Dual credit course taught online by K-State faculty.

The concepts essential to understanding aircraft material properties and fabrication techniques are taught. Emphasizes knowledge: shop safety, organization and human factors associated with shop practices, basic aircraft structural materials and hardware familiarization, fluid lines and fittings, hand tool selection and use, and aviation-specific dimensional inspection tools and techniques, aircraft hardware identification and applications, cleaning and corrosion control, aircraft metal selection and applications, and aircraft material inspection fundamentals.

USD 305 Course Code: XXXXXX

KSUAMP 104 Basic Aircraft Electricity and Ground Operations (3 credit hours)

Dual credit course taught online by K-State faculty.

A basic concept of DC/AC circuits, with basic laws relating to the following: measuring voltage, current, resistance, continuity and leakage; relationship of voltage, current and resistance in electrical circuits; reading and interpretation of electrical circuit diagrams; electrical devices and inspection and servicing of batteries. Introduction to digital numbering systems and digital logic functions. Also included are the introduction to air transport maintenance procedures, aircraft ground operations, and knowledge of aircraft batteries. **USD 305 Course Code: XXXXXX**

KSUAMP 105 Application of General Aviation Maintenance Concepts (2 credit hours)

Dual credit course taught on the K-State Salina campus by K-State faculty.

This laboratory course provides hands-on experience with fundamental aviation maintenance tasks aligned with concepts from AMP 101–104. Students will gain practical skills in weighing aircraft, taking critical measurements, performing non-destructive testing, moving and securing aircraft, and executing basic ground operations. Additional training includes aircraft servicing, fueling, ground running, shop safety procedures and processes, flight line safety, and other general aviation-related tasks. Pre-requisite: KSUAMP 101, 102, 103, and 104. **USD 305 Course Code: XXXXXX**

Aviation

KSUAVT 100 – Introduction to Aviation (3 credit hours)

Dual credit course taught online and on the K-State Salina campus by K-State faculty. This course examines the history of aviation and a look at the future. Students consider historical events and their relationship to current aviation aspects. The interdependency and synergy in the development of military aircraft, the space program, as well as the growth of commercial and general aviation are

discussed. Students will research various topics concerning the past, present, and future of aviation and/or the aviation industry. **USD 305 Course Code: KS5553**

KSUAVT 242 – Aviation Meteorology (3 credit hours)

Dual credit course taught online by K-State faculty.

Basic aviation-related meteorology concepts through the study of atmospheric elements and how they generally affect the weather: introduction to the subject, water in the atmosphere, variables which cause local weather changes, specific aviation-associated hazards, understanding meteorological reports and forecasts, meteorological techniques used in predicting weather patterns. USD 305 Course Code: KS5173

KSUAVT 250 – Safety and Security of Airport Ground

Operations (3 credit hours) *Dual credit course taught online by K-State faculty.*

This course discusses general aviation airport ground operations, particularly from the mechanic, pilot, and ramp worker perspective. Focus will be on increasing awareness of airport operations. Attention will be given to improving airport safety by creating an enhanced awareness of rules, policies, procedures, and potential hazards that affect all individuals working in and around the airport ground operations environment. Some topics included are: aircraft marshalling procedures, airfield security issues, ground vehicle operations, and security and accident/incident response reporting. USD 305 Course Code: KS5183

Biology

KSUBIOL 198 – Principles of Biology (4 credit hours)

[Bucket 4](#)

Dual credit course taught online by K-State faculty.

The class is 4 credit hours at KSU Salina and will count as a year of high school biology because it has the lecture portion and the integrated lab. An introductory biology course with emphasis on understanding processes and linkages within and between different levels in the hierarchy of life. Specific areas covered include the scientific method, evolution, ecology, biological molecules, structure/function of cells, genetics, energy flow, biodiversity, and plant/animal biology. USD 305 Course Code: KS6533

Business

KSUBUS 110 – Introduction to Business (3 credit hours)

Dual credit course taught online and on the K-State Salina campus by K-State faculty. The class will count for a .5 credit at USD 305's high schools for Business Essentials.

The class will count for a .5 credit at USD 305's high schools for Business Essentials. This course surveys the objectives, decisions, and activities within a business organization.

Topics include a study of management responsibilities and controls, organizational structures, and marketing activities. USD 305 Course Code: KS6543

KSUBUS 251 – Financial Accounting (3 credit hours)
Dual credit course taught online and on the K-State Salina campus by K-State faculty. The class will count for a .5 credit at USD 305's high schools for Accounting 1A. Study of business topics such as alternative forms of business organizations; typical business practices; legal instruments such as notes, bonds, and stocks; and financial statements and analysis. The main objective is to develop the ability to provide information to stockholders, creditors, and others who are outside an organization. USD 305 Course Code: KS6553

KSUBUS 252 – Managerial Accounting (3 credit hours)
Dual credit course taught online and on the K-State Salina campus by K-State faculty. The class will count for a .5 credit at USD 305's high schools for Accounting 1B. This course outlines the use of internal accounting data by managers in directing the affairs of business and non-business organizations. Prerequisite: KSUBUS 251. USD 305 Course Code: KS6133

Chemistry

KSUCHM 110 – General Chemistry (3 credit hours) Bucket 4
Dual credit course taught online by K-State faculty. The class will count for one year of high school chemistry if the student completes the lecture KS6563 and lab class General Chemistry Lab KS6573 through KSU. Principles, laws, and theories of chemistry; important metallic and nonmetallic substances. USD 305 Course Code: KS6563

KSUCHM 111 – General Chemistry Laboratory (1 credit hour)
Dual credit course taught online by K-State faculty. The class will count for one year of high school chemistry if the student completes the lecture KS6563 and lab class General Chemistry Lab KS6573 through KSU. A laboratory course to supplement the material of CHM 110. Co-requisite: KSUCHM 110. USD 305 Course Code: KS6573

Computer Systems Technology

KSUCMST 108 – PC Desktop Software (3 credit hours)
Dual credit course taught online by K-State faculty. The class will count for a .5 credit at USD 305's high schools for Computer Applications 2. The use and application of popular software application packages. Topics include word processors, electronic spreadsheets, database management systems, and presentation software. Students are required to complete

assignments on the computer, some of which are completed outside of class. USD 305 Course Code: KS6583

KSUCMST 146 – Digital Photography (3 credit hours)
Dual credit course taught online by K-State faculty. Introduces basic photographic techniques and computer assisted image manipulation. Topics include: basic camera functions, basic digital image processing, visualization and design skills and digital manipulation techniques needed in today's market place. Students have opportunities to create portfolio pieces. USD 305 Course Code: KS5203

Communications

KSUCOMM 106 – Public Speaking 1 (3 credit hours)
Bucket 2
Dual credit course taught at both high schools, online, and on the K-State Salina campus by K-State faculty. The course fulfills both high school speech graduation requirement as well as the KSU college speech requirement. Principles and practice of message preparation, audience analysis, presentational skills, and speech criticism permitting greater practice in oral presentation. USD 305 Course Code: KS6593

College of Technology & Aviation (interdisciplinary)
KSUCOT 150 – Humanities Through the Arts (3 credit hours)
Bucket 6
Dual credit course taught online by K-State faculty. The class will count for a .5 credit for an elective with USD 305. A general introduction to the humanities, focusing on what they are and the basic importance. Painting, sculpture, architecture, literature, drama, music, dance, film, and photography will be explored. Emphasis will be on participation, involvement, guest speakers, tours, and appreciation. USD 305 Course Code: KS6843

COT 175 -- Intro to Cultural Studies (3 credit hours)
Bucket 6 Arts & Humanities
Dual credit course taught on the K-State Salina campus by K-State faculty. Introductory survey of core concepts in cultural studies and dimensions of culture, including development of the field and contemporary issues. USD 305 Course Code: KS6933

Cyber Systems Design & Dynamics

KSUCYBR 103 – Computing Principles (3 credit hours)
Dual credit course taught online and on the K-State Salina campus by K-State faculty. Fundamental concepts of computer science and computational thinking. Topics include the use of abstraction, problem analysis, data representation, algorithms and programming. Students

learn to use creative processes to develop computational artifacts. Student activities are designed to appeal to a broad audience, including those underrepresented in computing. USD 305 Course Code: KS6903

KSUCYBR 137 – Principles of Interactive Digital Storytelling (3 credit hours)

Dual credit course taught online and on the K-State Salina campus by K-State faculty. This course explores the frontier of narrative innovation and uncovers the unique qualities and capabilities of immersive technologies such as virtual, augmented, and mixed reality in crafting captivating stories. Students will explore theoretical and practical dimensions of designing immersive narratives, learning how to leverage sensory engagement and spatial storytelling techniques to create compelling virtual environments. Students will have a well-rounded understanding of the principles underlying interactive and immersive storytelling and will be equipped with the skills to create profound and engaging narratives within these revolutionary digital landscapes. USD 305 Course Code: KS5093

KSUCYBR 163 - Fundamentals of Design Thinking (3 credit hours)

Dual credit course taught online and on the K-State Salina campus by K-State faculty. Students learn how to use the design thinking process to solve problems creatively, collaboratively and empathetically. Additionally, the course equips students with the knowledge of the processes and techniques used to solve problems and innovate in the workplace. USD 305 Course Code: KS6233

KSUCYBR 180 – Introduction to Database Systems (3 credit hours)

Dual credit course taught online and on the K-State Salina campus by K-State faculty. An introduction to properties and design principles of relational databases. Topics include database terms, E-R Modeling, relational table design and normalization, the relational algebra, Structured Query Language, and the database life cycle. Laboratory work includes the design and implementation of a database. USD 305 Course Code: KS5053

KSUCYBR 210 – Interactive Media Development (3 credit hours)

Dual credit course taught online and on the K-State Salina campus by K-State faculty. In this course, students will learn to create visually rich interactive experiences. It is a course in programming graphics and media, but it is also a course on the relationship between ideas and code. Students will explore topics in math and physics by building programs that simulate and visualize processes in the natural world. Assignments will include major programming projects, such

as building a virtual world inhabited by digital characters that display observable behaviors. USD 305 Course Code: KS6913

KSUCYBR 247 – Programming 1 (3 credit hours)

Dual credit course taught online and on the K-State Salina campus by K-State faculty. The syntax and semantics of a modern programming language. Topics include expressions, control statements, objects, classes, methods, event handling, arrays, inheritance, and polymorphism. Students are expected to apply the computational thinking and creative processes learned in KSUCMST 103 to the development of computer programs. Prerequisite: KSUCYBR 103. USD 305 Course Code: KS5083

KSUCYBR 250 – Hardware and Network Fundamentals (3 credit hours)

Dual credit course taught online and on the K-State Salina campus by K-State faculty. An introduction to computer systems with an emphasis on the internal workings of computer and network hardware. Hardware topics include data representation in binary, digital logic and the Von-Neumann architecture. Network topics include local-area and wide-area networks, topology, protocols and transmission media. Student activities include proper hardware configurations for various applications. USD 305 Course Code: KS5043

Electronic & Computer Engineering Technology

KSUECET 100 – Basic Electronics (3 credit hours)

Dual credit course taught online and on the K-State Salina campus by K-State faculty. A survey course designed to provide an overview of basic direct and alternating current circuits and an introduction to linear and digital electronics. Laboratory exercises reinforce circuit theory and provide skills in the use of common electronic instruments. USD 305 Course Code: KS5063

Economics

KSUECON 110 – Principles of Macroeconomics (3 credit hours) Bucket 5

Dual credit course taught online and on the K-State Salina campus by K-State faculty. The class will count for a .5 credit of either economics (CHS) or social studies 4 (SHS). Basic facts, principles, and problems of economics; determination of the level of output, employment, and the price level; the monetary and banking system; problems and policies of economic instability, inflation, and growth; principles of economic development; other economics systems. USD 305 Course Code: KS6603

KSUECON 120 – Principles of Microeconomics (3 credit hours) **Bucket 5**

Dual credit course taught online and on the K-State Salina campus by K-State faculty. The class will count for a .5 credit of either economics (CHS) or social studies 4 (SHS). Basic facts, principles, and problems of economics including study of the determination of prices; the determination of wages, rent, interest, and profit; theory of the firm; monopoly and government regulation; international economic relations. USD 305 Course Code: KS6613

English

KSUENGL 100 – Expository Writing 1 (3 credit hours)

Concurrent credit course taught at both high schools by high school instructors. The class is only offered during the fall semester. Students enrolled in English 4A Advanced must enroll in this class through K-State.

Introduction to expressive and informative writing. Frequent discussions, workshops, and conferences. Offers extensive practice in the process of writing: getting ideas, drafting, analyzing drafts, revising, and editing. Prerequisite: 18+ on ACT Reading & English; OR 500+ SAT ERW; OR 255+ Accuplacer Reading & Writing; OR 3.0 HS unweighted GPA after 5 semesters; OR 16+ ACT Reading & English AND B or higher in most recent English course; OR 2.7 HS GPA after 5 semesters AND B or higher in most recent English course. USD 305 Course Code: KS6623

KSUENGL 200 – Expository Writing 2 (3 credit hours)

Concurrent credit course taught at both high schools by high school instructors. The class is only offered during the spring semester. Students enrolled in English 4B Advanced must enroll in this class through K-State.

Introduction to writing persuasively. As with KSUENGL 100, uses discussion, workshops, and conferences, and emphasizes the writing process. Prerequisite: KSUENGL 100. USD 305 Course Code: KS6633

KSUENGL 251 – Introduction to Literature (3 credit hours)

Bucket 6

Dual credit course taught on the K-State Salina campus by K-State faculty.

Study of fiction, poetry, drama, and nonfiction. USD 305 Course Code: KS6643

Geology

KSUGEOLOGY 100 – Earth in Action (3 credit hours) **Bucket 4**

Dual credit course taught on the K-State Salina campus by K-State faculty. The earth's physical, structural, and dynamic features; the most common minerals and rocks; processes affecting the earth. USD 305 Course Code: KS6303

KSUGEOLOGY 103 – Geology Laboratory (1 credit hour)

Bucket 4

Dual credit course taught on the K-State Salina campus by K-State faculty. Laboratory investigation of rocks and minerals; use of geologic and topographic maps; understanding of stream and groundwater processes and landforms. Prerequisite or co-requisite: KSUGEOLOGY 100 or KSUGEOLOGY 125. USD 305 Course Code: KS6313

KSUGEOLOGY 125 – Natural Disasters (3 credit hours) **Bucket 4**

Dual credit course taught on the K-State Salina campus by K-State faculty. Discussion of geological phenomena such as earthquakes, volcanic eruptions, landslides, and floods, with particular emphasis on their causes, effects, and significance as hazards. USD 305 Course Code: KS6323

Mathematics

KSUMATH 100 – College Algebra (3 credit hours)

Dual credit course taught online and on the K-State Salina campus by K-State faculty. The class will count for a .5 credit of math for graduation requirements.

Fundamental concepts of algebra; algebraic equations and inequalities; functions and graphs; zeros of polynomial functions; exponential and logarithmic functions; systems of equations and inequalities. Prerequisite: A test score equal to or greater than, Math ACT 22 OR Math SAT 540 OR ALEKS PPL 46 OR Accuplacer QAS 326; OR HS GPA 3.25 AND grade of B or better in Algebra 2. USD 305 Course Code: KS6653

KSUMATH 150 – Plane Trigonometry (3 credit hours)

Dual credit course taught online and on the K-State Salina campus by K-State faculty. The class will count for a .5 credit of math for graduation requirements.

Trigonometric and inverse trigonometric functions; trigonometric identities and equations; applications involving right triangles and applications illustrating the laws of sines and cosines. Prerequisite: Grade of C or better in KSUMATH 100; OR a test score equal to or greater than, MATH ACT 24 OR MATH SAT 590 OR ALEKS PPL 61 OR Accuplacer QAS 270; OR HS GPA 3.5 AND grade of A in Algebra 2. USD 305 Course Code: KS6523

KSUMATH 205 – General Calculus and Linear Algebra (3 credit hours)

Dual credit course taught online and on the K-State Salina campus by K-State faculty.

Introduction to calculus and linear algebra concepts that are particularly useful to the study of economics and business administration with special emphasis on working problems. Prerequisite: Grade of C or better in KSUMATH 100 OR KSUMATH 150; OR a test score equal to or greater than MATH ACT 24 OR MATH SAT 590 OR ALEKS PPL 61 OR Accuplacer QAS 270; OR HS GPA 3.5 AND grade of A in Algebra 2. USD 305 Course Code: KS6333

KSUMATH 220 – Analytic Geometry and Calculus 1 (4 credit hours) *Dual credit course taught online and on the K-State Salina campus by K-State faculty. The course will count as one year of high school calculus credit toward graduation requirements.*

Analytic geometry, differential and integral calculus of algebraic and trigonometric functions.

Prerequisite: Grade of C or better in KSUMATH 150; OR a test score equal to or greater than MATH ACT 28 OR MATH SAT 660 OR ALEKS PPL 76 OR Accuplacer QAS 280; OR HS Precalc grade of A OR HS Calc grade of B or better.
USD 305 Course Code: KS6663

KSUMATH 221 – Analytic Geometry and Calculus 2 (4 credit hours)

Dual credit course taught on the K-State Salina campus by K-State faculty.

Continuation of KSUMATH 220 to include transcendental functions, techniques of integration, and infinite series.

Prerequisite: Grade of C or better in KSUMATH 220 OR Calculus AB AP score of 3 or above. USD 305 Course Code: KS6343

Mechanical Engineering Technology

KSUMET 111 – Technical Graphics (3 credit hours)

Dual credit course taught on the K-State Salina campus by K-State faculty. Introduction to applications in sketching and 2D computer-aided design applied to geometric development and engineering communication. Techniques are applied to produce finished drawings and schematics to national and international standards. Theory and applications of orthographic and auxiliary projection and pictorial drawing.

Standards for symbols, section views, and dimensioning included. USD 305 Course Code: KS5563

KSUMET 117 – Mechanical Modeling and Detailing (3 credit hours)

Dual credit course taught on the K-State Salina campus by K-State faculty. Professional practices in the development and application of 3D parts and assembly modeling for design and manufacturing. Preparation of 3D model for manufacturing data or production drawing. Development of tolerances versus cost, fit tolerances, and introductory geometric dimensioning and tolerancing (GD&T) specifications. Application of handbook data and spreadsheet computation to design detail development.
USD 305 Course Code: KS5263

KSUMET 121 – Manufacturing Methods (3 credit hours)

Dual credit course taught on the K-State Salina campus by K-State faculty. Introduction to contemporary manufacturing processes and practices, including precision measurement

and inspection, machining, forming, casting, and welding processes. Recitation and laboratory experience in manufacturing practices, including metrology and basic setup and operation of manufacturing equipment.

Observation of applications in local industry. USD 305 Course Code: KS5523

KSUMET 125 – Computer-Numerical-Controlled Machine Processes (2 credit hours)

Dual credit course taught on the K-State Salina campus by K-State faculty. Study and practice of basic CNC programming and machining operations. USD 305 Course Code: KS5273

Machine Learning & Autonomous Systems

KSUMLAS 100 - Survey of Machine Learning & Autonomous Systems (3 credit hours)

Rapid progress has been made in the development of autonomous systems. Terrestrial robotics, interplanetary systems, planetary robotics, uncrewed aerial systems, remote sensing platforms, and autonomous automobiles have all made great advances. These technologies have been enhanced by advances in artificial intelligence (AI). A non-programming perspective, this course will survey the current state-of-the-art perspective on artificial intelligence technologies used in autonomous systems. We start by presenting both ML-based and AI-based architectures that form the basis of perception, path planning, cognitive arbitration, and motion control. USD 305 Course Code: KS6923

Physics

KSUPHYS 113 – General Physics 1 (4 credit hours) [Bucket 4](#)

Dual credit course taught on the K-State Salina campus by K-State faculty. The class is 4 credit hours at KSU Salina and will count as a year of high school physics because it has the lecture portion and the integrated lab. A basic development of the principles of mechanics, heat, fluids, oscillations, waves and sound.

Emphasis is on conceptual development and numerical problem solving. Prerequisite: KSUMATH 150 or one and one-half units of high school algebra and one unit high school trigonometry. USD 305 Course Code: KS6673

KSUPHYS 114 – General Physics 2 (4 credit hours) [Bucket 4](#)

Dual credit course taught on the K-State Salina campus by K-State faculty. The continued treatment of the fundamentals of electricity and magnetism, light and optics, atomic and nuclear physics. These concepts are used to understand D.C. and A.C. circuits, motors, and generators. Emphasis is placed on conceptual development and problem solving.

Prerequisite: KSUPHYS 113. USD 305 Course Code: KS6683

Professional Pilot

KSUPPIL 210 – Aviation Safety (3 credit hours)

This course provides an introduction to the field of aviation safety with an emphasis on promoting a safety culture. Various safety programs and their relevance in the field of aviation are discussed. Students will examine numerous accident reports and discuss safety issues facing the aviation industry today. USD 305 Course Code: KS5303

Psychology

KSUPSYCH 110 – General Psychology (3 credit hours) **Bucket 5**

Dual credit course taught online and on the K-State Salina campus by K-State faculty. The class will count for a .5 credit of either psychology or general psychology. This course provides dual credit on campus at Kansas State. An introductory survey of the general content areas of psychology, including methods, data and principles. USD 305 Course Code: KS6693

Sociology

KSUSOCIO 211 – Introduction to Sociology (3 credit hours)

Bucket 5 *Dual credit course taught online by K-State faculty. The class will count for a .5 credit of sociology.*

Development, structure, and functioning of human groups; social and cultural patterns; and the principal social processes. USD 305 Course Code: KS6703

Social Work

KSUSOCWK 100 – Social Work: The Helping Profession (3 credit hours) **Bucket 5**

An introduction to the profession of social work and the various fields of social service by observing, experiencing, and analyzing social work and its place in society. An opportunity for the student to test social work as a possible career choice. USD 305 Course Code: KS5503

KSUSOCWK 200 – Basic Skills for Working with People (3 credit hours) **Bucket 5**

Course develops basic skill components for the helping professions. Students learn fundamentals of interpersonal communication. USD 305 Course Code: KS5513

Statistics

KSUSTAT 225 – Introduction to Statistics (3 credit hours)

Bucket 3 *Dual credit course taught online and on the K-State Salina campus by K-State faculty.*

A first course in probability and statistics; random sampling; graphical and numeric summaries of qualitative and quantitative data; correlation and least squares regression; probability and random variables; the normal distribution, sampling distributions and the Central Limit Theorem; confidence intervals for one mean and one proportion; sample size estimation; hypothesis tests for one parameter,

power and type I and II errors; statistical inference for the difference of two means based on independent samples and matched pairs designs; statistical inference for the difference of two population proportions. Pre-requisite: A test score equal to or greater than, Math ACT 19 OR Math SAT 510 OR ALEKS PPL 30 OR Accuplacer QAS 255; OR unweighted HS GPA 3.0 AND grade of C or better in Algebra 2; OR KSUMATH 100. **USD 305 Course Code: KS6813**

Uncrewed Aircraft Systems

KSUUAS 114 – Remote Pilot Certification for UAS (2 credit hours)

Dual credit course taught online by K-State faculty.

This course helps prepare students to become an FAA-Certified UAS Pilot. This course covers all knowledge topics important for a commercial UAS pilot. Once complete, the student takes the FAA's Remote Pilot in Command knowledge test. USD 305 Course Code: KS6823

KSUUAS 115 – Multi-rotor Flight Lab (1 credit hour)

Dual credit course taught online by K-State faculty.

Basic through advanced flight training on multi-rotor unmanned aircraft. This course establishes the foundation of manual flight, basic automation and features. Proficiency is built through standardized maneuvers to meet practical test standards. Corequisite: KSUUAS 114. USD 305 Course Code: KS5583

KSUUAS 270 – Introduction to Unmanned Aircraft Systems (3 credit hours)

Dual credit course taught online by K-State faculty.

Introduction to the history of UAS and survey of current UAS platforms, terminology, challenges to airspace integration and operational theory. USD 305 Course Code: KS5543

KSUUAS 272 – UAS Safety Fundamentals (3 credit hours)

Dual credit course taught online by K-State faculty.

Introduction to aviation safety, with an emphasis on best practices for safe operation of unmanned aircraft systems. Topics include safety/risk assessments, human factors, crew resource management, aeronautical decision-making, risk management, and safety assurance. Prerequisite: KSUUAS 270. USD 305 Course Code: KS6503

KSUUAS 275 – Small UAS Maintenance 1 (3 credit hours)

Dual credit course taught online by K-State faculty.

This course provides students with the knowledge and skill necessary to repair and maintain both fixed- and rotary-wing aircraft during field operations and to ensure continued airworthiness throughout the service life of the aircraft. Instruction emphasizes safe practices, provide an

introduction to basic shop tools and machinery used in maintaining sUAS, and develop fundamental skills in platform fabrication and the troubleshooting/repair of the circuits, subsystems and components typically found on sUAS aircraft. USD 305 Course Code: KS5313

KSUUAS 280 – Multi-Rotor Construction Lab (2 credit hours)
Dual credit course taught online by K-State faculty.
This course focuses on the construction of a multi-rotor UAS. This includes gaining an understanding of individual components within the system and integrating the components into a fully functional system. Students will also test and tune the UAS once assembled. USD 305 Course Code: KS6833



Salina Area Technical College is a fully accredited institution of higher learning where students can work towards earning a technical certificate and an associate's degree at the same time they are graduating from high school, enabling them to jump right into the workforce. Students can choose from a variety of programs at Salina Tech, most of which are tuition-free! Salina Tech also offers general education courses to help jumpstart the student's postsecondary education. There is something to meet everyone's career/postsecondary goals!



Enrollment Options

- Concurrent Enrollment empowers students to achieve both high school and college credit for the eligible course while remaining on their high school campus. These courses consist of technical and general education courses. Students can take advantage of general education courses available for concurrent enrollment such as Intro to Computer Applications, English Composition I, and College Algebra. These general education courses are fully transferable to all Kansas Regents institutions. Students engage in consistent coursework, books, and instructors making this an easy and convenient way to earn college credit, *all without ever leaving the high school campus!*
- **Dual Credit Enrollment** is open to juniors and seniors in most of Salina Tech's full-time programs. These classes are held on the Salina Tech campus. Most of our technical programs allow the student to graduate with both a high school diploma and a Technical Certificate from SATC. Students in these programs will spend half the day at SATC and the other half at their high school. High school students have the option to take additional general education courses offered by Salina Tech. These courses are taught by Salina Tech faculty and not the high school faculty. These courses are either taught online or on the Salina Tech campus.

Who Can Enroll?

Concurrent enrollment is open to sophomores, juniors, seniors, and gifted freshmen. Dual credit enrollment programs are specially designed for juniors and seniors.

Cost

High school students can pursue general education courses at a reduced tuition of \$50/credit hour. While tuition rates are subject to change, they will be set for the 2026-2027 school year by May 2026. Dual credit students enrolled in technical programs with Salina Tech receive the gift of free tuition. It is important to note fees related to certifications, uniforms, and virtual subscriptions are not included in tuition, are separate and will be the student's responsibility.

Pay it Forward Scholarship

SATC's "Pay it Forward" Scholarship gives students credit for each dollar of tuition they paid while in high school, which can pay for tuition, fees, and books if the student attends SATC after high school. Up to \$1000 can be applied to future tuition costs at SATC.

SATC Excellence Agreement

The SATC Excellence Agreement is designed for high school students participating in approved career and technical education courses at Salina Area Technical College. This agreement details the costs for high school students in their technical program while at SATC. High school students are only charged for items they will keep following completion of their SATC program such as uniform shirts, certification testing, graduation fees, and workbooks. Items such as textbooks and tools must be returned in the same condition as they were borrowed. Charges will only apply, at replacement value, to the items if they are not returned, broken, or damaged.

Admissions, Enrollment, and More Information

Visit our website at <https://www.salinatech.edu/admissions/prospective-students/high-school-students/> for more information on the application and enrollment process, and to connect with Enrollment Specialists.

High School students interested in concurrent credit can apply at:

<https://sonis.salinatech.edu/sonisweb/studapp.cfm>

High school students interested in dual credit can apply at <https://fs30.formsite.com/SalinaTech/SATCApplication/index.html>.

They can apply using the same process as concurrent.

<https://sonis.salinatech.edu/sonisweb/studapp.cfm>

Students with questions should contact their high school counselor or call SATC Student Services at admissions@salinatech.edu or 785-309-3100.

Allied Health Courses

These courses are offered on Salina Central and Salina South campuses by SATC instructors.

Fall Semester			Spring Semester		
Course Title		Credits	Course Title		Credits
ALH 101	CNA	6	ALH 110	CMA (CNA is a pre-req)	5
HEA 103	Medical Terminology	3	ALH 101	CNA	6
			HEA 103	Medical Terminology	3
			ALH 134	Legal Concepts	3
Semester Credits		9	Semester Credits		11/12

Auto Collision and Refinishing Technology

For scheduling flexibility, all ACR classes are offered every semester both in the AM and the PM. Therefore, high school students may start in ACR in the junior or senior year of HS. ACR also accepts Spring starts. So, the semester listed below (1st, 2nd, 3rd, 4th) does not necessarily indicate Fall or Spring semester. For example, if a student starts at SATC in the spring semester, that would be the student's 1st semester. Also, HS students who start in the AM generally remain in the AM for the remainder of their time at SATC. Likewise, HS students who start in the PM generally remain in the PM for the remainder of their time at SATC.

Option 1							
Course Title		Sem.	Credits	Course Title		Sem.	Credits
ACR 110	Paint & Refinishing 1	1	3	ACR 120	Paint & Refinishing 3	3	3
ACR 115	Paint & Refinishing 2	1	3	ACR 125	Paint & Refinishing 4	3	4
ACR 130	Non-Structural A & D Repair 1	2	4	ACR 140	Non-Structural A & D Repair 3	4	4
ACR 135	Non-Structural A & D Repair 2	2	4	ACR 145	Non-Structural A & D Repair 4	4	5
ACR 150	Structural A & D Repair 1	2	2	ACR 160	Structural A & D Repair 3	4	3
ACR 155	Structural A & D Repair 2	2	2	ACR 165	Structural A & D Repair 4	4	3
Total Technical Certificate						40	

Option 2							
Course Title		Sem.	Credits	Course Title		Sem.	Credits
ACR 130	Non-Structural A & D Repair 1	1	4	ACR 120	Paint & Refinishing 3	3	3
ACR 135	Non-Structural A & D Repair 2	1	4	ACR 140	Non-Structural A & D Repair 3	3	4
ACR 150	Structural A & D Repair 1	1	2	ACR 125	Paint & Refinishing 4	4	4
ACR 155	Structural A & D Repair 2	1	2	ACR 145	Non-Structural A & D Repair 4	4	5
ACR 110	Paint & Refinishing 1	2	3	ACR 160	Structural A & D Repair 3	4	3
ACR 115	Paint & Refinishing 2	2	3	ACR 165	Structural A & D Repair 4	4	3
Total Technical Certificate						40	

Automotive Technology

First Year

Fall Semester – Year 1			Spring Semester – Year 1		
Course Title		Credits	Course Title		Credits
AUT	Shop Safety/Management	1	AUT 146	Brakes 1	3
AUT	Engine Repair 1	2	AUT 150	Brakes 2	2
AUT	Engine Repair 2	3	AUT 260	ASE Preparation	1
Total Credits		6	Total Credits		6
Total Technical Certificate Credits					12

Second Year

Fall Semester – Year 2			Spring Semester – Year 2		
Course Title		Credits	Course Title		Credits
AUT 221	Manual Drive Train 1	1	AUT 210	Automotive HVAC	4
AUT 241	Automatic Transmissions & Transaxles 1	3	AUT 222	Manual Drive Train 2	3
AUT 242	Automatic Transmissions and Transaxles 2	3			
Total Credits		7	Total Credits		7
Total Technical Certificate Credits					14

Additional coursework required after high school to graduate with an automotive technology certificate:

Year 3		
Course Title		Credits
AUT 109	Steering and Suspension	3
AUT 110	Steering and Suspension 2	2
AUT 131	Engine Performance 1	3
AUT 135	Electrical 1	3
AUT 140	Electrical 2	2
AUT 132	Engine Performance 2	4
AUT 133	Engine Performance 3	3
AUT 155	Automotive Diesel Technologies	1
AUT 160	Hybrid/Electric Vehicles	1
AUT 235	Electrical 3	3
AUT 240	Electrical 4	2

Business Administration Technology

Option 1: Business Administrative Technology: Accounting Pathway

First Year

Fall Semester			Spring Semester		
Course Title		Credits	Course Title		Credits
BAT 192	Financial Accounting 1	3	BAT 153	Spreadsheet Management	3
BUS 100	Introduction to Business	3	BAT122	Desktop Publishing	3
CSA 105	Intro to Computer Apps and Concepts	3	BAT 196	Financial Accounting II	3
			BAT 124	Managerial Accounting	3
		Total Credits	9		
				Total Credits	12
					Total Technical Certificate Credits
					21

Second Year

Fall Semester			Spring Semester		
Course Title		Credits	Course Title		Credits
BAT 160	Business Communications	3	BAT 114	Payroll Accounting	3
BAT 186	Business Law	3	BAT 134	Micro Computer Accounting	3
BUS 120	Personal Finance	3			
		Total Credits	9		
				Total Credits	6
					Total Technical Certificate Credits
					15

Option 2: Business Administrative Technology: Management/Leadership Pathway

First Year

Fall Semester			Spring Semester		
Course Title		Credits	Course Title		Credits
BAT 140	Management	3	BAT 144	Human Resource Management	3
BUS 100	Introduction to Business	3	BAT 153	Spreadsheet Management	3
CSA 105	Intro to Computer Apps and Concepts	3	BAT 122	Desktop Publishing	3
		Total Credits	9		
				Total Credits	9
					Total Technical Certificate Credits
					18

Second Year

Fall Semester			Spring Semester		
Course Title		Credits	Course Title		Credits
BAT 160	Business Communications	3	BAT 154	Small Business Management	3
BAT 184	Leadership	3	BAT 164	Principles of Supervision	3
BAT 186	Business Law	3	BAT 130	Principles of Marketing	3
		Total Credits	9		
				Total Credits	9
					Total Technical Certificate Credits
					18

Computer Aided Drafting

First Year

Fall Semester			Spring Semester		
Course Title		Credits	Course Title		Credits
CAD 112	Introduction to Mechanical Drafting	3	CAD 152	Residential Architecture with Revit	4
CAD 117	Intermediate Mechanical Drafting	3	CAD 157	Commercial Architecture with Revit	3
CAD 127	Basics of AutoCAD	3	CAD 167	Civil Drafting with AutoCAD Civil 3D	4
Total Credits		9	Total Credits		11
Total Technical Certificate Credits					20

Second Year

Fall Semester			Spring Semester		
Course Title		Credits	Course Title		Credits
CAD102	SolidWorks Part Modeling	3	CAD 172	Advanced Mechanical Drafting and	4
CAD107	SolidWorks Assembly Modeling	3	CAD 182	Specific Industry Projects	3
MAT 101	Technical Math	3			
Total Credits		9	Total Credits		7
Total Technical Certificate Credits					16

Construction Technology

First Year

Fall Semester			Spring Semester		
Course Title		Credits	Course Title		Credits
ENV 102	OSHA 10	1	CON 125	Floors, Walls, Ceiling, & Framing	4
CON 101	Introductory Craft Skills	3	CON 132	Roof Framing	3
CON 105	Construction Math	1	CON 137	Windows, Doors, & Stairs	3
CON 111	Carpentry Basics	4	CON 165	Insulation, Roofing, Exterior Finish	3
Total Credits		9	Total Credits		13
Total Technical Certificate Credits					22

Second Year

Fall Semester			Spring Semester		
Course Title		Credits	Course Title		Credits
CON 152	Construction Skills	5	CON 115	Intermediate Carpentry	3
CON 157	Concrete Applications	4	CON 175	Steel Framing & Drywall	2
Total Credits		9	Total Credits		5
Total Technical Certificate Credits					14

Dental Pathway

Dental Assistant Technical Certificate – Senior Year

Fall Semester				Spring Semester			
Course Title		Status	Credits	Course Title		Status	Credits
DEN 124	Dental Anatomy		2	DEN 208	Dental Practice Management (Pre-req: DEN 124)		3
DEN 123	Introduction to Anatomy and Physiology		2				
Semester Total			4	Semester Total			3
Total Technical Education Credits						7	

Dental Assistant Technical Certificate – Post-Secondary

Fall Semester				Spring Semester			
Course Title		Status	Credits	Course Title		Status	Credits
DEN 150	Infection Control		2	DEN 248	Nitrous Oxide Administration (Pre-req: CPR to include hands-on training)		1
DEN 138	Dental Radiology I		3	DEN 220	Dental Materials II (Pre-req: DEN 127)		2
DEN 246	Dental Science (Pre-req: DEN 123, DEN 134)		3	DEN 230	Chairside Assisting II (Pre-req: DEN 134)		3
DEN 127	Dental Materials I		4	DEN 243	Clinical Experience (Pre-req: DEN 123, DEN 124, DEN 127, DEN 134, DEN 138, DEN 150, DEN 246. Also need hepatitis B vaccination, CPR and HIPPA training, 90% attendance, and a C average in all core courses).		8
DEN 134	Chairside Assisting I		4				
Semester Total			16	Semester Total			15
Total Credits Toward Technical Certificate						31	
Total Technical Education Credits						38	

Dental Assistant Associate of Applied Science – Junior Year

Fall Semester				Spring Semester			
Course Title		Status	Credits	Course Title		Status	Credits
CSA 105	Introduction to Computer Applications and Concepts		3	COM 105 or COM 102	Public Speaking or Interpersonal Communication		3
HEA 103	Medical Terminology		3	MAT 101	Technical Math or higher		3
Semester Total			6	Semester Total			6
Total Credits Toward AAS						12	

Dental Assistant Associate of Applied Science – Senior Year

Fall Semester				Spring Semester			
Course Title		Status	Credits	Course Title		Status	Credits
ENG 101	English Comp I		3	DEN 208	Dental Practice Management		3
DEN 124	Dental Anatomy		2	BIO 150	Anatomy and Physiology*		5
Semester Total			5	Semester Total			8
Total Credits Toward AAS						13	

*BIO 105 Anatomy and Physiology can be taken in the fall or spring. 2 credits count toward Dental Assistant Program Completion and 3 credits count as an elective toward AAS Degree

Dental Assistant Associate of Applied Science – Senior Year

Summer Semester			
Course Title		Status	Credits
PSY 101	General Psychology		3
	Elective Choice		3
Semester Total			6
Total Credits Toward AAS			6

Dental Assistant Associate of Applied Science – Post-Secondary

Fall Semester				Spring Semester			
Course Title		Status	Credits	Course Title		Status	Credits
DEN 150	Infection Control		2	DEN 248	Nitrous Oxide Administration (Pre-req: CPR to include hands-on training)		1
DEN 138	Dental Radiology I		3	DEN 220	Dental Materials II (Pre-req: DEN 127)		2
DEN 246	Dental Science (Pre-req: DEN 123, DEN 134)		3	DEN 230	Chairside Assisting II (Pre-req: DEN 134)		3
DEN 127	Dental Materials I		4				
DEN 134	Chairside Assisting I		4	DEN 243	Clinical Experience (Pre-req: DEN 123, DEN 124, DEN 127, DEN 134, DEN 138, DEN 150, DEN 246. Also need hepatitis B vaccination, CPR and HIPPA training, 90% attendance, and a C average in all core courses).		8
Semester Total			16	Semester Total			15
Total Credits Toward AAS						31	
Total Credits Earned for Graduation						62	

Diesel Technology

First Year

First Semester			Second Semester		
Course Title		Credits	Course Title		Credits
ENV 102	Safety Orientation (OSHA 10)	1	DST 106	Drive Trains	3
DST 201	Powershifts	4	DST 107	Standard Transmissions	3
DST 202	Torque Convertors	1			
DST 206	Suspension and Steering	3			
Total Credits		9	Total Credits		6
Total Technical Certificate Credits					15

Second Year

First Semester			Second Semester		
Course Title		Credits	Course Title		Credits
DST 204	Hydraulics	5	DST 108	Wheel ends	3
DST 203	Hydrostatic Drive	2	DST 109	Brakes	3
MAT 101	Technical Math	3	HUM 101	Ethics in the Workplace	3
Total Credits		10	Total Credits		9
Total Technical Certificate Credits					19

Additional coursework required after high school to graduate with an Associate of Applied Science degree, in Diesel Technology:

Course Name/Number.....	Credits
DST 101 Diesel Engines 1.....	5
DST 102 Electrical/Electronic Systems	5
DST 103 Emissions	5
ENG 101 Technical Writing.....	3
CSA 105 Introduction to Computer Applications.....	3
DST 207 Advanced Diesel Engines	5
DST 208 Fuel Lab	1
DST 209 Advanced Electrical/Electronic Systems	5
DST 211 HVAC	2
COM 105 Public Speaking.....	3

Early Childhood Education

Certificate A: Infant and Toddler Education

Technical Education Courses

Fall Semester			
Course Title		Credits	Status
ECE 100	Principles of Early Childhood Education -	3	F1
ECE 104	Infant-Toddler Development and Care	3	F1
ECE 108	Interaction Techniques with Young Children	3	F2
ECE 109	Interaction Techniques with Young Children Practicum	2	F2
ECE 115	Child Nutrition, Health, and Safety	3	F1
ECE 120	Pre-School Language and Literacy	3	F2
Total Technical Certificate Credits		17	

Certificate A: Pre-school Education

Technical Education Courses

Spring Semester			
Course Title		Credits	Status
ECE 100	Principles of Early Childhood Education -	3	S1
ECE 128	Interaction Techniques with Pre-School Children	3	S2
ECE 129	Interaction Techniques with Pre-School Children Practicum	2	S2
ECE 135	Building Relationships with Families and Communities	3	S2
ECE 140	Teaching Children with Special Needs	3	S1
ALH 139	First Aid and CPR	2	S2
SOC 103	Marriage and Families	3	S1
Total Technical Certificate Credits		19	

Certificate B: Early Childhood Education

Technical Education Courses

Fall Semester Year 1			Spring Semester		
Course Title		Credits	Course Title		Credits
ECE 100	Principles of Early Childhood Education	3	ECE 100	Principles of Early Childhood Education	3
ECE 104	Infant-Toddler Development and Care	3	ECE 140	Teaching Children with Special Needs	3
ECE 115	Child Nutrition, Health, and Safety	3	ALH 139	First Aid and CPR	2
Total Credits		9	Total Credits		8
Fall Semester Year 2			Spring Semester Year 2		
Course Title		Credits	Course Title		Credits
ECE 108	Interaction Techniques with Young Children	3	ECE 128	Interaction Techniques with Pre-School Children	3
ECE 109	Interaction Techniques with Young Children	2	ECE 129	Interaction Techniques with Pre-School Children Pract.	2
ECE 120	Pre-School Language and Literacy	3	ECE 135	Building Relations with Families and Communities	3
			SOC 103	Marriage and Families	3
Total Credits		8	Total Credits		11
Total Technical Certificate Credits					36

Fire Science

First Year Courses

Fall Semester			Spring Semester		
Course Title		Credits	Course Title		Credits
FIR 118	Firefighting Strategy and Tactics	3	FIR 125	Building Construction	3
FIR 121	Fire Science Hydraulics and Water Supply	3	FIR 130	Intro to Fire and Emergency Services	3
Credits Total		6	Credits Total		6

Fall/Spring/Summer Semester		
Course Title		Credits
ALH 120	Emergency Medical Technician (<i>not required, but strongly encouraged</i>) (Pre-req: Age 17, current immunizations)	12

Second Year Courses

Fall Semester			Spring Semester		
Course Title		Credits	Course Title		Credits
FIR 135	Fire Origin and Cause	3	FIR 115	Firefighter I	3
FIR 140	Fire Inspection and Code Enforcement	3	FIR 117	Firefighter II	3
Credits Total		6	Credits Total		6
			Total Technical Certificate Credits		36

Students must be 18 before the end of the Senior's spring semester to be able to take the firefighter certification test.

Heating, Ventilation, and Air Conditioning

First Year

Fall Semester			Spring Semester		
Course Title		Credits	Course Title		Credits
ENV102	Safety Orientation (OSHA 10)	1	HVA154	Gas Heating	4
HVA104	Electrical Fundamentals	4	HVA159	A/C, Heat Pumps, Electric Heat	4
HVA109	Controls & Motors	2	HVA164	RTU Heating & A/C	1
HVA114	Heating System Fundamentals	3			
MAT 101	Technical Math	3			
Total Credits		13	Total Credits		9
			Total Technical Certificate Credits		22

Second Year

Fall Semester			Spring Semester		
Course Title		Credits	Course Title		Credits
HVA119	HVAC Fundamentals	4	HVA169	Commercial Refrigeration, Evaporators, Recovery, Condensers	2
HVA124	Compressor & Refrigeration Controls	2	HVA174	EPA 608	1
HVA129	Sheet Metal Layout & Fabrication	1	HVA179	Commercial Refrigeration Compressors, Metering Devices &	2
HVA134	Refrigeration Fundamentals	1	HVA184	Workplace Skills	1
			HVA189	Commercial Refrigeration Troubleshooting, Motor Controls &	3
Total Credits		8	Total Credits		9
			Total Technical Certificate Credits		17

Industrial Maintenance and Automation

Fall Semester				Spring Semester			
Fall Semester – Year 1				Spring Semester – Year 1			
Course Title		Credits	Status	Course Title		Credits	Status
ENV 102	Safety Orientation (OSHA 10)	1	FA 1	ELT 225	Programmable Logic Control	3	SP 2
IMA 100	Foundations of Manufacturing	3	FA 1	IMA 110	Industrial Fluid Power	4	SP 1
ELT 108	Blueprint Reading	2	FA 1	IMA 120	Actuator & Sensor Systems	3	SP 2
ELT 107	AC/DC Circuits	4	FA 2	MTT 230	CNC Operations	3	SP 1
Select Math course from the list.							
Total Credits		13		Total Credits		13	
Fall Semester – Year 2				Spring Semester – Year 2			
Course Title		Credits	Status	Course Title		Credits	Status
ELT 220	Motor Control	4	FA 2	IMA 150	Industrial Robotics	3	SP 2
IMA 130	Industrial Programmable Logic Controls	3	FA 2	IMA 160	Variable Speed Control	3	SP 1
IMA 140	Mechanical Systems	3	FA 1	IMA 170	Mechanical Systems Reliability	3	SP 1
ELT 210	Industrial Wiring	4	FA 1	IMA 180	Industrial Process Control	3	SP 2
				IMA 190	Project Management	1	SP 2
Total Credits		14		Total Credits		13	
Total Technical Certificate Credits							53

Machining and Manufacturing Technology

First Year

Fall Semester			Spring Semester		
Course Title		Credits	Course Title		Credits
ENV 102	Safety Orientation (OSHA 10)	1	MTT 233	CNC Lathe Operations	3
MAT 101	Technical Math	3	MTT 242	Feature Cam Mills	3
MTT 111	Bench Work	1	MTT 243	Feature Cam Lathes	3
MTT 116	Print Reading	3			
MTT 122	Quality Control & Inspections	1			
MTT 210	Metallurgy	1			
MTT 230	CNC Operations	3			
	Total Credits	13		Total Credits	9
Total Technical Certificate Credits					22

Second Year

Fall Semester			Spring Semester		
Course Title		Credits	Course Title		Credits
MTT 140	Machining I	3	MTT 130	Special Projects	3
MTT 232	CNC Mill Operations	3	MTT 215	Machining II	3
			HUM 101	Ethics in the Workplace	3
	Total Credits	6		Total Credits	9
Total Technical Certificate Credits					15

Police Science

First Year Courses

Fall Semester			Spring Semester		
	Course Title	Credits		Course Title	Credits
PLS 100	Introduction to Criminal Justice*	3	PLS 101	Criminal Investigation	3
PLS 105	Criminal Procedures	3	PLS 120	Criminal Justice Interview and Report Writing	3
PSS 101	Professional Responsibility in Criminal Justice	3	PLS 125	Introduction to Corrections	3
PLS 110	Introduction to Emergency Communications	3	PLS 140	Crime Scene Investigation	3
Credits Total		12	Credits Total		12

Second Year Courses

Fall Semester			Spring Semester		
Course Title		Credits	Course Title		Credits
PLS 107	Juvenile Delinquency and Justice	3	PLS 130	Agency Administration	3
PLS 109	Criminal Law	3	PLS 150	Psychology of Crime	3
PLS 115	Law Enforcement Operations and Procedures	3	PLS 160	Prevention and Deterrence of Crime	3
PSY 101	General Psychology	3			
Credits Total		12	Credits Total		9
Total Technical Certificate Credits					

**PLS 100 Introduction to Criminal Justice will be offered every semester. It is a pre-requisite for all PLS courses.*

Welding Technology

First Year

Fall Semester			Spring Semester		
Course Title		Credits	Course Title		Credits
ENV 102	Safety Orientation (OSHA-10)	1	WEL 106	Cutting Process	3
MAT 105	Technical Math	3	WEL 112	Shielded Metal Arc Welding II	3
WEL 105	Welding Theory	3	WEL 150	Welding Blueprint Reading	3
WEL 111	Shielded Metal Arc Welding I	3			
	Total Credits	10		Total Credits	9
Total Technical Certificate Credits					19

Second Year

Fall Semester			Spring Semester		
Course Title		Credits	Course Title		Credits
WEL 115	Gas Metal Arc Welding I	3	WEL 116	Gas Tungsten Arc Welding	3
WEL 215	Gas Metal Arc Welding II	3	WEL 120	Fabrication & Production	3
WEL 223	Core Wire Welding	3	WEL 216	Gas Tungsten Arc Welding II	3
	Total Credits	9		Total Credits	9
Total Technical Certificate Credits					18

FREQUENTLY ASKED QUESTIONS

Is the application process free?

Yes! It is free to apply to Salina Tech as a high school student or a postsecondary student.

Are high school students eligible for federal financial aid, grants, and/or loans?

No, unfortunately, high school students are not eligible for federal financial aid. Federal requirements state that students must have a high school diploma or GED to be eligible for federal aid.

When is tuition due?

Concurrent credit students will be enrolled in their courses within the first couple weeks of classes at their high school. Dual credit students will be enrolled during the summer before they are set to start at Salina Tech. They will receive bills at the beginning of each month. Their bill needs to be paid in full before the student is enrolled for the following semester. Students do not need to have their tuition paid before starting their class. Students can check their current balance using their SONIS account.

Do parents/guardians have access to students' records?

A student's financial account is considered private information protected under [FERPA](#). Students can opt-in to allowing a parent/guardian to have access to their information.

Will students need to purchase a textbook?

Concurrent credit high school students will use the same textbooks that their high school uses for their classes. For dual credit courses, the student will have the option to borrow the textbook from Salina Tech to be returned at the end of the class. There may be an additional charge for electronic resources. Textbooks and resources can be purchased through the Salina Tech bookstore.

How will students know where their classrooms are located and where to park?

During the New Student Orientation in the summer, students will be shown where to park based on what program they are entering. Students can park in any parking lot on campus.

Where can students find their course schedule?

High school students can access their course schedule once they are enrolled, using their SONIS account. They will receive their SONIS sign-on information during the New Student Orientation. <https://sonis.salinatech.edu/sonisweb/studsect.cfm>

Does the Salina Tech academic calendar match high school calendars?

Salina Tech's academic calendar does not match area high school calendars. Students need to follow the college's calendar regarding their dual credit and general education courses.

Can students drop a course after they are enrolled?

Yes, students can drop a course if the request is received within the allowed drop period. Please see the [Academic Calendar](#) or your course syllabus for official drop/refund deadlines. Keep in mind that dropped courses may still be listed on a student's transcript. There are also refund dates associated with dropped courses. There is only a brief time to drop a course for a 100% refund.

Where can a student access their final grade?

Final grades are in SONIS for students to access. Final grades will also be sent to the student's high school for dual and general education courses.

How can students order a transcript?

Students can order an official transcript from Salina Tech using the link <https://www.salinatech.edu/transcript-request/>. For unofficial transcripts, they can print a copy of their transcript using their SONIS account

<https://sonis.salinatech.edu/sonisweb/studsect.cfm>.

Will courses transfer to other colleges/universities?

High school students should collaborate with their high school counselor, SATC enrollment specialist, and the transfer admissions advisor from the college they are transferring to for specific program-related transfer questions. Many of Salina Tech's general education courses are guaranteed to transfer across all the public higher education institutions in Kansas. Visit the Kansas Board of Regents [transfer site](https://www.kansasregents.org/transfer_articulation) for more information https://www.kansasregents.org/transfer_articulation.

How can a campus tour be arranged?

If students are interested in attending Salina Tech, please schedule a campus tour online for the Salina Campus at <https://fs30.formsite.com/SalinaTech/6jmx0xgzn/index>.

What correspondence will parents/guardians receive to be kept in the loop on enrollment?

Parents can and are encouraged to participate in the admissions process at Salina Tech; however, once enrollment is complete, all enrollment and tuition correspondence from Salina Tech will be directed to the student. Although students are still in high school, they are considered college students. It is important for students to share this information with their parents/guardians, but the responsibility for those responsibilities lies with the student.

Curriculum Fees

Upon enrollment, each student will pay a curriculum fee, which will entitle him/her to use the appropriate books from the current textbook list. The fee also provides the student with basic supply items used in various courses.

Enrollment in some courses require additional fees. Courses requiring additional fees are listed in the chart on the last page of this document.

Required student purchases of supplementary books, workbooks, lab manuals, periodicals, or the collection of special fees from students is prohibited without prior administrative approval. Rental fees are reviewed on an annual basis and are subject to change at the discretion of the district. The schedule of rental fees will be prorated by quarters of the school year, both for payment and for early withdrawal refunds. Students must return all rental textbooks to the teachers upon withdrawal or at the end of the school term.

GENERAL ENROLLMENT FEES

USD 305's High School Enrollment Guide is updated annually in October. Fees may change after publication of this document. Please check with your school if you have questions.

CHS: 309-3529; SHS: 309-3708; Bethany College: 785-227-3380; KSU-Salina: 826-2640; SATC: 309-3116; and HCC: 620-665-3500

Curriculum Fee:	\$100
Additional charges may apply for damaged or lost textbook, Chromebook, charger, and other items	\$50 (Students who qualify for reduced lunch) \$50 (Students enrolled in SATC or December Graduates) \$0 (Students who qualify for free lunch)

OPTIONAL FEES

Yearbook	CHS: \$65 at enrollment or during school year; \$70 after end of school year SHS: \$69 Regular or \$75 Personalized
Adult/Student (K-8) Pride/Reserved Tickets	\$80 Adult \$40 Student Pride Grades 1-8 \$10 Reserved Seats

SPECIALTY COURSE FEES

Accounting	\$40 for Workbook
Art (1, 2, & 3) (Adv. 1, 2, & 3) AP Studio Art 2D & 3D	\$15 Fee for Supplies per Semester: \$30 for Entire Year
Band	\$16 Uniform Cleaning Fee (Color Guard does not Pay Cleaning Fee) \$40 New Band Members Only (Marching Shoes) \$10 T-Shirt
Bethany College Blended & Dual Credit	\$100 per Credit Hour **Subject to change.
Cabinet Making 1, 2, & 3 Carpentry (Residential)	\$20 Fee for Supplies Any additional fees depend on the project selected by the student.
CNA CMA **Subject to change.	CNA Testing: \$38, Book: \$40, Workbook: \$18 CMA Testing: \$20 plus, \$13 Liability Insurance, Book: \$114 **No Fee for Textbook if Returned at End of Course
Conditioning & Personal Fitness	\$5 Fee for Supplies per Semester: \$10 for Entire Year
Graphic Design Digital	\$20 Fee for Supplies
Guitar (Classical)	Students will be Required to Purchase a Music Book
Interactive Media	\$10 Fee for Supplies
Kansas State University Salina	High school students receive a reduced tuition rate of \$129.81/credit hour. Some courses may incur a lab, software, or alternative textbook fee. General education courses with prefixes BIOL, CHM, COMM, COT, ECON, ENGL, GEOL, MATH, PHYS, PSYCH, SOCIO, SOCWK, and STAT will be sponsored down to \$50 per credit hour. Major/program course with prefixes AMP, AVIM, AVT, BUS, CMST, CYBR, ECET, MET, MLAS, PPIL, and UAS will be sponsored down to \$85 per credit hour. Students will need to purchase a textbook (if applicable). <i>This rate is subject to change each year. The 26-27 school year rates will be available in July.</i>
Medical Terminology **Subject to change.	Medical Terminology: Book: \$73 **No Fee for Textbook if Returned at End of Course
Metals 1, 2, & 3	\$20 Fee for Supplies Any additional fees depend on the project selected by the student.
Music Theory & AP Music Theory	\$40 Annual Fee for Supplies
Salina Area Technical College	Most technical education courses are tuition free but some institutional fees still apply. General Education courses cost \$50 per credit hour.

TESTING FEES

AP Testing	The AP exam cost for most tests that are administered during the school year is approximately \$97. Late registration for tests (between November 14 and March 12) will cost an additional \$40 over the base exam price. For information on AP Test Fee Waiver see your counselor.
Salina Area Technical College Testing and Fees	SATC Testing Coordinator: Call 785-309-3136 for more information regarding specific testing dates/fees.

CRITICAL INTERNET LINKS	
KansasDegreeStats.Org	https://ksdegreestats.org/program_search.jsp
Kansas Articulation Agreements	https://www.ksde.org/Agency/Division-of-Learning-Services/Career-Standards-and-AssessmentServices/CSAS-Home/Career-Technical-Education-CTE/Postsecondary-Partnerships/StatewideArticulation-Agreements
USD 305	www.usd305.com
Test Taking Tips	www.testtakingtips.com
COLLEGE TESTING & PREP	
ACT	www.act.org
SAT	www.collegeboard.com
COLLEGE/CAREER PREP	
Xello	https://login.xello.world/
Go College	www.gocollege.com
Job Corps	www.jobcorps.gov
Kansas College	www.kansasregents.org
NCAA	https://web3.ncaa.org/ecwr3/
Occupational Outlook Handbook	www.bls.gov/ooh
SCHOLARSHIP & FINANCIAL AID	
FAFSA PIN & FAFSA	www.studentaid.ed.gov/sa/fafsa/filling-out/fsaid www.fafsa.ed.gov
Scholarship	www.fastweb.com

